THE STUDY ON THE IMPROVEMENT IN QUALITY OF THE TROPICAL FRUITS

Appendix K

Project Profiles

APPENDIX K PROJECT PROFILES

List of Tables

Table K-1	Profile of the Candidate Project Site for Orchard Development in North Sumatra Province (1/8 - 8/8)	K-2
Table K-2	Profile of the Candidate Project Site for Orchard Development in West Java Province (1/6 - 6/6)	K-10
Table K-3	Profile of the Candidate Project Site for Orchard Development in East Java Province (1/8 - 8/8)	K-16
Table K-4	Profile of the Candidate Project Site for Orchard Development in South Sulawesi Province (1/15 - 15/15)	K-24

.

APPENDIX K **PROJECT PROFILES**

Potential areas for orchard development by target fruits were selected by each Provincial Government. In order to grasp the present situation of potential areas for orchard development, the profile of each potential area is prepared regarding the following seven main aspects, clarified by several information:

- Present farm management and seedling production;Development plan for the target fruit growing;
- Socio-economic condition of the site;
- Agro-ecological and agro-climate;
- Marketing;
- Post-harvest handling; and
- Infrastructure and facilities.

The profiles of each potential area are presented as shown in Tables K-1 to K-4 of the respective Provinces.

Table K-1 Profile of the Candidate Project Site for Orchard Development in North Sumatra Province (1/8)

NS(DR)-1 Durian Dairi Code : Target Fruit : District :

Present Fram Management & Secting Production 1-1 Cultivated crops 1-2 Average landholding size of the farm-household 1-3 Average unitvation area of the target fruit trees 1-4 Prevaling cultivation area of the target fruit trees 1-5 No. of planed target fruit trees 1-6 Annaal average production in last five years. 1-7 Harvest soavon of the target fruit trees 1-8 Current framgate proce of the fruit. 1-9 Current framgate proce of the fruit. 1-9 Production input unlightano (manue & chemicalis) 1-10 Inter-cropping plan(is) 1-11 Procumement of seedings (seed, nursery, PRAS, etc.) 1-12 No. of PPSs and PPLs specialized in homulating dev. 1-13 Production input unlightano (manue & chemicalis) 1-14 Inter-cropping plan(i) 1-15 No. of PPSs and PPLs specialized in homulating dev. 1-16 Inter-cropping from the Target Fruit Growing 1-17 Procument Plan for the Target Fruit Growing 2-1 Target (prionity) fruit 2-2 Development Jaan (2004-2008)	, V	ltem	(Unit)	Description	ġ.	ltern	(Umr)	Description
New number of the transmission of transmission of transmission of the transmission of transmissi transmissi transmission of transmission of transmissi		and the second				Agro-ecology and Agro-climate		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	<u>~</u> ≓	resent harm Management or Neroling Froduction	1 1 1 1 1	Paddy Secondary crops and Dunan		4-1 Topography (configuration of the site)	(type)	Undulating, rolling to hilly
1.3. Arrenge ontinuend of arcs of the transmission of transmission of transmission of the transmission of transmissint of transmission of transmission of transmission of tra	_				1	L	(원)	040
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		-	(ha)	0.81	T		(m)	S(X)-S(X)
1. Preduing cultured variaties of the most fruit trees. (variation of the most fruit trees.		Average cultivation area of the target fruit free	1 61 3	0.2	T	Ł	- HH	1 000
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	1	Prevailing cultivated varieties of the target fruit trees	(variety)	I Sidikalang, Otong, Kani,	T		1	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$				i Si Tembaga	7			
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	I	Ł	(uo.)	111,444	- 7	wet months	(DO CELIONED	10 (AUE-May)
1. Harters strend (for insert fruit (months) (months) <t< td=""><td>1_</td><td>1</td><td>(uo))</td><td>7.210</td><td></td><td>dry months</td><td>It po. Kemonth.</td><td></td></t<>	1_	1	(uo))	7.210		dry months	It po. Kemonth.	
H. Current firmagate proce of the fruit. (1/8) Following and the function of the function of the function of the could of section of the	1.	Harmet ceason of the target fruit	(months)					
1.9. Texture mergen myter unterser, Parkstein (unter e dennends) (unter erophing anving) (unter erophing erophing anving) (unter erophing erophing erophing erophing erophing) <td>1</td> <td></td> <td>11 80 / 01000</td> <td></td> <td>- T</td> <td></td> <td>(m)</td> <td>10</td>	1		11 80 / 01000		- T		(m)	10
1.10. Intercenting family: (Wink) Jedy and Secondary coops 4.7 (Open (Open (Open 1.11. Intercenting (secondary core) Secing (Secondary core) Secing (Secondary core) Secing (Secondary core) (Open (Open 1.12. Exercise of matter ground grammery. PRAS, res. (Nontrent of construction) Foreing (Nontrent of construction) (Nontrent of construction) (Nontrent of construction) (Nontrent of construction) 1.13. Exercise of matter ground grammery. (Kelong matter deex. (Nontrent of construction) 1.13. Exercise of matter ground grammery. (Kelong matter deex. (Nontrent of construction) (Nontrent of construction) (Nontrent of construction) (Nontrent of construction) 1.13. Exercise of matter ground (Kelong matter) (Nontrent of construction) (Nontrent of construction) (Nontrent of construction) (Nontrent of construction) 1.14. Exercise for matter form (Nontrent of construction) (Nontrent of construction) (Nontrent of construction) (Nontrent of construction) 2. Exercise for matter form (Nontrent of construction) (Nontrent of construction) (Nontrent of construction) (Nontrent of construction) 2. Exercise for matter form (Nontrent of construction) (Nontrent of construction)	1	Deduction training of the of the first	(kind)		1-		(u)	12
11.11 Proceedings (seed, marker, PRAS, etc.) (south) Seed Non-free from (seedings) (seed) (seed) 1:11 Proceedings (seed, marker, PRAS, etc.) (south) Keeden matcher within 50 mit cite from the site (no.) 1:12 Non-free from (seedings) (seedings) (seedings) (seedings) (res) (res) 1:13 Resense (selonnop (americe, number, proving (sec) (ro.)			1 (kind)	Paddy and Secondary crops			(ivpe)	i Yellow red podrolic
1.1. Treneries from of person of person of some construction. (The person Market Structure) (The person Market Structure) (The source of market structure Structure) (The source of the surface structure Structure) (The source of the surface structure Structure) (The source of source structure Structure) (The source of source structure Structure) (The source of the surface structure Structure) (The source of source structure Structure) (The source structure structure structure Structure) (The source structure structure structure Structure) (The source structure s	1		(SOLECE)			Marketing		
11:1. Exercise vertine SC mercles immeriane unmentione for grouping frame in KUDio (ctc) Kinder (control frame) Kinder (control fram	<u> </u>		(2000 / I	DDV (5 \ / DPI - (75)	T-	(Present Market Situation)		
1.1. 2-3. Marketing channel (famore reclement) (four (four 1.1.1. growing frames (felompoly Tan, KU) etc.) (four (four (four (four 1.1.4. Available creati services for fault growing. (four (four (four (four 1.1.4. Available creati services for fault growing. (four (four (four (four 2.1.4. Available creati services for fault growing. (four (four (four (four (four 2.1.1 Specification of the cross for fault growing. (four (four (four (four (four 2.1.1 Specification of the cross four (fun) (four (four (four (four (four 2.1.1 Specification of the cross four (four) (four (f	1	-	(100)	Kelomnok Tani (623) / Kl	T	5-1 No. of local markets within 50 km circle from the site	(100)	10
1.14 Provent Barnet Networks (kind' mo.) BRI Unit(5) (south activity) (contraction) Dispect Internation of the Carboning Constrained of constrained of constrained of the corps (local stollosticity, constrained of corps) (south activity) (south activity) (contraction) Dispect Internation of the Carboning Dispect Internation of the Carboning (hai) 00 (south activity) (south activity) (contraction) Dispect Internation of the Carboning (hai) 00 (hai) 00 (south activity) (1			Kinek (126)	Т		(Now)	Farmers - Collectors - Cittes
1-14 Available for each services for truit growing. (Extinue) 3-3 Present elemination of the corps (local, subdistrets. (destination) 2-1 Target (Fromny) fruit. 2-1 Target (Fromny) fruit. (extinue) (extinue) 2-1 Target (prompt) fruit. (ba) 300 (ba) 300 (extinue) (extinue) (extinue) 2-1 Target (prompt) fruit. (ba) 300 (ba) 300 (cu) (extinue) (extinue) 2-1 Target (promotes) (freat- processed) (ba) 300 (ba) 300 (extinue) (extinue) 2-1 Target (product) (pro 2013) (ha) 300 (hankteng (product) (pro 1) (frash (cu) 2-1 Target (product) (pro 2013) (ha) 300 (hankteng (product) (pro 1) (frash (frash 2-1 Target (product) (pro 2013) (ha) 300 (hankteng (product) (pro 1) (frash (frash 2-1 Target (product) (pro 1) (hankteng (product) (pro 1) (frash (frash (frash 2-2 Varety recommended (pro 1) (frash (frash (frash (frash 2-2 Varety recommended (pro 1) (frash (frash (frash (frash <	1	growing tarmers (Actompose Lani, AUD, etc.)			T			
Development Plant Construction (and fragment plant) (bit dispects) (c) (c) <t< td=""><td>-</td><td>1-14 Available credit services for truit growing</td><td>I KING NU-</td><td></td><td>T</td><td>Descent decineration of the received (local cubdictricts</td><td>(destination)</td><td>Medan</td></t<>	-	1-14 Available credit services for truit growing	I KING NU-		T	Descent decineration of the received (local cubdictricts	(destination)	Medan
2:1 Target (prioriny) fruit (haid) Duran (haid) Duran 2:2 Development intition area (haid) (haid) (haid) (state) 2:1 Development intition area (haid) (haid) (haid) (state) 2:1 Development intition area (haid) (haid) (haid) (state) (state) 3:1 Development (haid) (haid) (haid) (haid) (haid) (state) (state) 3:1 Development (haid) (haid) (haid) (haid) (haid) (state) (state) 3:1 Target productivnin program (non) 4 (non) 4 (haid) 2:5 Varety recommended (unit) (haid) (haid) (state) (state) 2:5 Varety recommended (unit) (haid) (haid) (haid) (haid) 2:5 Not of target strutt <td< td=""><td></td><td>Sevelopment Plan for the Target Fruit Growing</td><td></td><td></td><td>T</td><td></td><td>(manufacture)</td><td></td></td<>		Sevelopment Plan for the Target Fruit Growing			T		(manufacture)	
2.2. Development land area (ha) 800 (1) Klow term (plo 2003) (ha) 300 (1) Klow term (plo 2003) (ha) 300 (1) Long term (2006-2004) (ha) 300 (1) Long term (2006-2014) (ha) 300 2.4 Target production in short-term action program (ion) 4 2.5 Variety recommended (variety) 5.7 Ferm of future target (strome - collector) (variet) 2.6 Variety recommended (variet) Packing future (type) 3.1 No of cardidate part-term (ion) 10 Packing future (type) 3.1 No of cardidate part-term (ion) 10 Packing future<		2-1 Target (prionity) fruit	(kand)	Durian	Ť			
(1) Short term (op to 2001) (ha) 300 (for which (op to 2001) (ha) 300 (2) Medum term (2004-2008) (ha) 300 (hor) 1.3 (hor)			(ha)	006	-1	5-4 Form of marketed products (tresh - processed)	A state /	11031
(2) Medum term (2004-2004) (ha) 300 5-5 Markening channel (famers - collection middleman - (100v) (100v) (3) Long term (2004-2018) (ha) 300 (ha) 300 (3) Long term (2004-2018) (ha) 300 (ha) 300 (3) Long term (2004-2018) (ha) 300 (ha) 300 2.3 Target production in short-term action program (ino) 4 Darketing channel (fresh - processed) (atteb) 2.4 Varey recommended (unor) 4 Pastola registriction of tresh - processed) (attab) 2.5 Plant(s) recommended (unor) 640 Posteharvest Handing (attab) 2.6 Plant(s) recommended (unor) 650 (bord) (attab) 2.6 Plant(s) recommended (unor) (bord) (attab) 2.6 Plant(s) recommended (unor) (attab) (attab) 2.6 Plant(s) recommended (unor) (attab) (attab) 2.6 Plant(s) recommended<	1	Ę	(ha)	300	_	(Murketing Prospective)		
(3) Long term (2004-2018) (na) 300 Iarget production in thore-term action program (na) 1.200 Downse - Chrone - Cry and/or export) (argets) 2.3 Target production in thore-term action program (uon) 1.200 5-6 Marking target (district), processed) (argets) 2.4 Target production in thore-term action program (uon) 1.200 5-6 Marking target (district), processed) (argets) 2.5 Vareyt production in thore-term (uon y) 5-7 Plant(s) recommended (uon y) 5-6 Marking target (district) (uon y) 2.6 Plant(s) recommended (uon y) 560 Plant(s) (rate y) (uon y) 2.6 Plant(s) recommended (uon y) 560 Plant(s) (uon y) (uon y) <td></td> <td></td> <td>(µa)</td> <td>300</td> <td></td> <td></td> <td>(10w)</td> <td>Farmers - Farmers' Groups - Collectors/Wholevalers -</td>			(µa)	300			(10w)	Farmers - Farmers' Groups - Collectors/Wholevalers -
2.3. Target production in short-term action program (ton) 1.200 5-6 Markeng target (dustrict, province, city and/or export) (target) 2.4. Target productivity per hectam (ton) 4 5-7 Form of future market damand (fresh - processed) (target) 2.5. Varery recommended (varery) Si. Jantung, Orong, Kan 5-7 Form of future market damand (fresh - processed) (target) 2.5. Varery recommended (varery) Si. Jantung, Orong, Kan 6 5-7 Formal Future (target) 2.5. Varery recommended (varery) Si. Jantung, Orong, Kan 6 (varery) Si. Jantung, Orong, Kan (target) 2.6. Varery recommended (varery) Si. Jantung, Orong, Kan 6 (varery) Si. Jantung, Orong, Kan (target) 2.6. Varery recommended (varery) Si. Jantung, Orong, Kan (varery) (varery) (varery) 2.6. Varery recommended (varery) Si. Jantung, Orong, Kan (varery) (varery) (varery) 2.6. Varery recommended (varery) Si. Jantung, Orong, Kan (varery) (varery) (varery) 2.6. Varery recommended (varery) Si. Jantung, Orong, Kan (varery) (varery) (varery) 3.1 No. of valitate partional dimension of the Silite <t< td=""><td>1</td><td>L</td><td>(pa)</td><td>300</td><td></td><td>lowns - cities - export)</td><td></td><td>Towns/ Cines - Exports</td></t<>	1	L	(pa)	300		lowns - cities - export)		Towns/ Cines - Exports
2.4 Target productivity per hectam (100) 4 5.7 Form of future market demand (fresh - processed) (atach) 2.4 Target productivity per hectam (100) 4 Parket Handling (atach) 2.5 Plant(s) recommended (varety) Si Tembaga. Si Jatung. Orong, Kani 0 Post-harvest Handling (atach) 2.6 Plant(s) recommended (varety) Si Tembaga. Si Jatung. Orong, Kani 0 Post-harvest Handling (atad) 2.6 Plant(s) recommended (atad) Parket Hance (atad) (atad) 2.6 Plant(s) recommended (a) 650 (b) (b) (atad) 2.6 Plant(s) recommended (a) 650 (b) (b) (atad) 3.1 No. of valiages concerned atimes (n) 50 (d) (d) (atad) 3.1 Distance to the Provincial capital (Road class II) (km) 150 (d) (d) (b) 3.4 Distance to the Provincial capital (Road class II) (km) 150 (d) (d) (d) 3.5 Distance to the Provincial capital (Road clas		1	(ton)	1.200	Ē		(targets)	Medan and Exports
Twenty recommended (varety) St. Tembaga. St. Janung. Orong, kant 6. Post-harvest Handling 2-6 Plant(s) recommended (kind) Padoy and Secondary cross (kind) Padoy and Secondary cross (kind)	L		(100)	4	1		(state)	Fresh
2.6 Plant(s) recommended to be inter-cropped (and) Padoy and Secondary crops (Prerent Practising Facilities) (pres) 2.6 Plant(s) recommended to be inter-cropped (and) Padoy and Secondary crops (pres) 3.1 No. of clandidate pathetipant farmers (no.) 6:0 (pres) (kind) 3.1 No. of villages concerned (m) 6:0 (m) 6:0 (pres) 3.2 Distance to the Sintial (Road class 11) (m) 0 (m) 5:0 Capacity of the processing facility (mod) 3.4 Distance to the Sindistrict capital (Road class 11) (km) 1.5 6.3 Capacity of the processing facility (bmd) 3.5 Distance to the Sindistrict capital (1, II & III) (km) 1.5 6.4 Required post-harvest handling activities (bmd) 3.5 Distance to the Sindistrict capital (km) 1.5 6.5 Capacity of the processing facility (bmd) 3.4 Distance to the Sindistrict capital (km) 1.5 6.4 Required post-harvest handling activities (bmd) 3.5 Found class of the road to Subdistrict capital (km) 2.	1		(vanetv)		6	Post-harvest Handling		
Sector-connent Condition of the Site (no.) 651 Existing processing facilities of the target fruit (type 1) 3-1 No. of candidate participant farmers (no.) 650 6-1 Existing processing facilities of the target fruit (type 1) 3-2 No. of candidate participant farmers (no.) 650 6-3 Exercised products, etc.) (knd) 3-3 Distance to the Subdistrict capital (Road class 1) (km) 15 (frimateriment Plauoung) (knd) 3-5 Distance to the Subdistrict capital (Road class 1) (km) 1.5 (frimateriment Plauoung) (knd) 3-5 Distance to the Subdistrict capital (Road class 1) (km) 1.5 (frimateriment Plauoung) (knd) 3-5 Distance to the road to Subdistrict capital (km) 2.5 Existing mocessed products, etc.) (knd) 3-5 Distance to the road class 111) (km) 1.5 (frimateriment Plauoung) (knd) 3-5 Distance to the road class (friut (Road class 111) (km) 2.5 Existing mocessed products, etc.) (knd) 3-5 Road class of the road to	1	- E	(pung)	Paddy and Secondary crops		(Present Princessing Fucilities)		
3-1 No. of candidate partnerpart farmers (mo.) 650 6-2 Processed products. (bond) 3-2 No. of villages concerned (mo.) 6 (dryng, caming, borting, processed products, etc.) (bond) 3-3 Distance to the Provincial capital (Road class 1) (km) 150 (dryng, caming, borting, processed products, etc.) (bond) 3-4 Distance to the Provincial capital (Road class 1) (km) 30 (dryng, caming, borting, processed products, etc.) (bond) 3-4 Distance to the Provincial capital (Road class 1)) (km) 30 (dryng, caming, borting, processed products, etc.) (bond) 3-5 Distance to the Provincial capital (Road class 1)) (km) 15 (dryng, caming, bordsentic capital (Road class 1)) (km) 3-5 Distance to the read to Subdistrict capital (maternal) Asphalt 6-5 Expecting processed products, etc.) (kmd) 3-7 Road continuon of the road to Subdistrict capital (maternal) Asphalt 5-5 External sconne, products, etc.) (kmd) 3-7 Road condition (vec of moly water (well, sping, river, etc.) (kmd) Source of drinking water (well, sping, river, etc.) (kind) 3-10 Source of drinking water (well, sping, river, etc.) (kind) Source of drinking water (well,		Active conditions of the Site					(ivpe)	N6
No. of villages concerned (no.) 6 (dryng, caming, borting, processed products, etc.) (ion / dav) Distance to the Provincial capital (Road class 1) (km) 150 6-3 Capacity of the processing facility (ion / dav) Distance to the Provincial capital (Road class 1) (km) 30 6-3 Capacity of the processing facility (ion / dav) Distance to the District capital (Road class 11) (km) 30 6-5 Capacity of the processing facility (ion / dav) Distance to the codd stass 111 (km) 225 111 6-5 Experime processed products, etc.) (kmd) Road continue (km) 225 5 Experime processed products, for Upland crops/fruits (kmd) Source of drinking water (well, spring, river, etc.) (kmd) 5 Experime processed products, etc.) (kmd) Source of drinking water (well, spring, river, etc.) (kmd) 5 5 5 (kmd)	· · · · ·	3.1 No. of candidate participant farmers	(no.)	650			(pup)	-
Distance to the Provincial capital (Road class 1) (km) 150 6-3 Capacity of the processing facility (ton /day) Distance to the District capital (Road class 1) (km) 30 6-3 Capacity of the processing facility (ton /day) Distance to the District capital (Road class 1) (km) 15 6-6 Required post-harding activities (ton /day) Distance to the Notification of the road to Subdistrict capital (km) 22 5 Experting processed grouts (kind) Distance to the martest seapout anyori (km) 223 7 Infrastructure and Pacitifies (kind) Distance of drinking water (well, spring, river, etc.) (kind) 7 Infrastructure and Pacitifies (kind) Source of drinking water (well, spring, river, etc.) (kind) 8-2 Possible water source for watening (kind)	1	1.1	(100.)	Ŷ		(drying, canning, bottling, processed products, etc.)		
Distance to the Dismert capital (Road class 11) (km) 30 (Enhancement Planung) Distance to the Subdistrict capital (Road class 11) (km) 1.5 (Eahancement Planung) Distance to the Subdistrict capital (Road class 11) (km) 1.5 (Clanne) Exclored class of the road to Subdistrict capital (1.11 & 111) (km) 2.5 Road class of the road to Subdistrict capital (material) Asphalt (Section grossed post-integroed class 11) Road class of the road to Subdistrict capital (material) Asphalt 5-5 Exermit grossed post-integroed class 11/5 (kmd) Road class of the road to Subdistrict capital (material) Asphalt 7. Infrastructure and Pacifies (kmd) Statement of the road to Subdistrict capital (km) 2.2 Exermiting impeation facities of upland crops/fruits (kmd) Source of drinking water (well, sping, river, etc.) (kmd) 8-2 Possible water source for watering (kind) (kind)	1	1	(km)	150		6-3 Capacity of the processing facility	(ton/dav)	
Distance to the Subdistrict capital (Road class 11) (km) 1.5 6-4 Required post-harvest handling activities (Und) Road class of the road to Subdistrict capital (1.1 & 11.) (1.1 & 11.) (3.1) (4.1) (5.1) (1.1)		11	(. m;)	30	-	(Enhancement Planning)		
Road class of the road to Subdistrict capital (11 & 11) (claim g sorting grading processing packaging etc.) Road condition of the road to Subdistrict capital (material) Asphalt 6-5 Expecting processed products (kind) Road condition of the road to Subdistrict capital (kind) 225 5-5 Expecting processed products (kind) Distance to the nearest scaport/airport (kind) 225 5-1 Exercise and Pacifities (kind) Distance of drinking water (well, spring, river, etc.) (kind) No n and around the project site (kind) Source of drinking water (well, spring, river, etc.) (kind) Spring 8-2 Possible water source for watering (kind)	1	1	(km)	1.5	Γ		(lund)	Packaging / Storage
- Read condution of the road to Subdistruct capital (material) Asphalt (kind) - Read condition of the road to Subdistruct capital (kind) - 255 (kind) - 255 - 255 - 255 (kind) - 225 - 255		1		III		(cleaning, soming, grading, processing, packaping, etc.)		
7. Infrestructure and Pacinities Distance to the narrest scapour/ airport (km) 225 Distance to the narrest scapour/ airport (ves or no) No Electrification m and around the project site (vision) Source of drinking water (well, spring, river, etc.) (kind) Spring	.L.	•		Asphalt		· ·		Fresh fruit
Electrification (ves or no) No Source of drinking water (well, spring, river, etc.) (kand) Spring 8-2 Possible water source for watering (stind)	.L		(km)	225	ŀ	Infrastructure and Facilities		
Source of drinking water (well, spring, river, etc.) (kind) Spring 8-2 Possible water source for watering (kind)	<u>Т</u>		(ves or no)	+	<u></u>		(kind)	Nil
8-2 Possible water source for watering (kind)		- k	(kind)	-	<u>г</u> -	in and around the project site		
	1					I.	(kind)	Spring
	1				T			

Note : *Schimdt and Ferguson Method Source : Provincial Agricultural Services Office and JICA Study Team

Table K-1 Profile of the Candidate Project Site for Orchard Development in North Sumatra Province (2/8)

Code : Target Fruit : District :

NS(DR)-2 Durian Tapanuli Tengah

Present Farm Management & Seedling Production (kind.) 1-1 Cultivated crops (kind.) 1-2 Average landholding size of the farm-household (ha.) 1-3 Average cultivation area of the target fruit trees (kind.) 1-4 Prevaiing cultivation area of the target fruit trees (varety) 1-4 Prevaiing cultivation area of the target fruit trees (varety) 1-4 Prevaiing cultivation area of the target fruit trees (varety) 1-5 No. of planted target fruit trees (no.) 1-5 Anoval secan of the target fruit trees (no.) 1-5 Anoval secan of the target fruit trees (no.)		ł		
see a see		4. Agro-concy and Agro-cumber		
dung size of the farm-household ton area of the target fruit trees and varieties of the target fruit trees for thuit trees of the target fruit of the target fruit	V Partic Norondary grous and Dunan	4-1 Topography (configuration of the site)	(type) P	Plain
		4.2 None	0 ((*)	0-2
	Ŧ		(e)	25-100
╈╋			- (ww) -	2,478
	I CHICKER BIN SIGNIAL	Ł	V (VV)	
			Ę	C I Jane Dec I
) 54,200	(1) wet montas		
) 3,825	(2) dry months	(no.&month) U	
	ŧ-	4-6 Groundwater depth		
Access to a second state for the form	ecc) 500-1.500	(1) wet months	(m) 3	
ne di chemicales		(2) dry months	ς (ω) i	
	1 Paddy and Secondary crops	1 4-7 Soil type	(cype) Y	Yellow red podzolic
ł		i S. : Marketing		
1				
ź		5.1 No of local markets within 40 km circle from the site	(100.)	
ž	(kind/ no.) Actomptix Lani (007)7 AUD (72)			Farmers - Collectors - Citacs
growing farmers (Kelompok Tani, KUD, etc.)		1	t	
	(kind/ no.) BRI Unit (6)	towns - cities - export)		
Development Plan for the Target Fruit Growing		5-3 Present destination of the crops (local, subdistncts.	(destination) Modan	Vocan
Tarow (month) fruit) Durian	districts. provinces, towns, cities & export)	-	
Development Janet area) 2.250	5-4 Form of marketed products (fresh - processed)	(state)	Fresh
1100/0	f	(Murketing Prospective)		
	T	5-5 .Marketing channel (farmers - collector/ middleman -	4 (MOR) F	Farmers - Farmers' Groups - Collectors/Wholesalers -
	t	towns - chies - export)		Towns/ Cines - Exports
-	╈	5-6 Markeng target (district, province, city and/or export)	(targets) N	Medan and Exports
action program	╈		(state) F	Fresh
	L. Conce Kan St Panting St Tembaca	6. Post-harvest Handling		
	Cacadacu arane	12		
Plant(s) recommended to be inter-cropped	1	A.1 Existing processing facilities of the target fruit	((VDC)	No
nt farmers	-	ł.		
	-		1 100 / Jav 1	
Distance to the Provincial capital (Road class 1) (km)	-			
Distance to the District capital (Road class II) (km)) 10	51	-	and the second
Distance to the Subdismer canital (Road class [1]) (km		6-4 Required post-harvest handling activities	(XIDQ)	PACKARING / DIOTABC
& 111 X	5 11	(cleaning, sorting, grading, processing, packaging, etc.)	-	
Dood coodings of the madin Subdistrict ratifs) (material	al) Asohalt	6-5 Expecting processed products	(kind) F	Fresh truit
	t	7. Infrastructure and Macilities	1	
2			(kind) N	
time and a second second second second		in and around the project site	• • • •	
Source of munuity when twent, spring, ment on the training	╈	X-2 Possible water source for watering	(kind) (Croundwater
		н	t	

Note : *Schimdt and Ferguson Method Source : Provincial Agricultural Services Office and JICA Study Team

Table K-1 Profile of the Candidate Project Site for Orchard Development in North Sumatra Province (3/8)

Code: NS(DR)-3 Target Fruit: Duriad District: Tapanuli Utara

lieb.			
		A source and A source and A	
Derivat From Management & Seedling Production		1	(type) i Flat, undulating, rolling, hilly and mountainous
	(kind) Coffee, Durian and Avocado	- 1	
Ł	ŀ	1	1 m 1 400-700
1-2 Average landholding size of the farm-nousenoid		4-3 Altitude (or elevation)	-
-t		1 4-4 Annual rainfalt	+
I Trees	> SIDANTAL SI LETTOAKA	Climate type (No. of wet and dry months)	
1-5 No. of planted target truit trees	(no.) 219.300	(1) wet months	- 1
Annual average production in last five vears	(ton) 2,427	dev months	(no.exmonth) 0
Harvest season of the target fruit	(months) [3		
Constraints of the fruit	(Rp./ piece) 500-100 per piece		(m) - 8
Contraction and white the manual of the micals)	(kind) -	1	(m) 12
	(kind) Woods	(2) dfy monus	rume 1 Alluvial, Laterite, Lithosol and Regosol
Inter-cropping planus)	t	4-7 Solitype	t
Procurement of securings (securing a securing a security a security as a security a security as a se	t	S. Marketing	
į	t	(Present Market Situation)	ł
ž	KIND TO.) I ACIOMPUA LAIN (17720)	5.1 No. of local markets within 50 km circle from the site	-t
	-ł		(flow) Farmers - Collectors - Cincs
	(kind/ no.) BRI Unit (16)		
			(destination): Medan, Tanjung Balai
h -	(kind) Durian	S.P. Present desimation of use crops (when a compared to the second seco	
ł	(ha) 1.500		/ crave) Presh
ş	t	5.4 Form of marketed products (Iresti - processed)	Т
(1) Short term (up to 2003)	t	(Markeling Prospective)	- Frank Course Collargory Wholesslers
(2) Medium term (2004-200K)	╈	5-5 Marketing channel (farmers - collector/ middleman -	
(3) Long term (2009-2018)	1	towns - cities - export)	-1
Ŭ,	(ton) 2.000	4.4 Markeine tareer (district, province, city and/or export)	(targets) Medan and Exports
	(ton) 4	c b Common ferring market demand (fresh - processed)	(state) Fresh
Vanani recommended	(variety) Si Tembaga and Si Jantung	Å	
1	(kind) Secondary crops		
		Ş	<pre>< 700</pre>
3. DOCIDECTORPORTE CONTINUES OF LIFE CARE	/ 60 1 1350	(*) Existing processing factilities of the target study	L
3-3 No. of candidate participant farmers	1	6-2 Processed products	(X100) -
2-2 No. of villages concerned		(drying, canning, bottling, processed products, ctc.)	
3-3 Distance to the Provincial capital (Koad class 1)	t	6.3 Capacity of the processing facility	1 (ton / day) · ·
3.4 Distance to the District capital (Road class 11)	t	(Enhancement Planning)	-f
3.5 Distance to the Subdistmet capital (Road class 11)	-ł	6-4 Repuired post-harvest handling activities	(kind) Packaging/Storage
1 & 111	+		
Road condition of the road to Subdistrict capital	<u>_</u>	K_4 Exmerting moressed products	(kind) Fresh fruit
3-8 Distance to the nearest seaport/ airport	_	Infante	
Electriteation	2	v.) Greense measure facilities for upland groups fruits	(bind) Nil
÷.	(kind) Spring	1	
		- 1	(kind) i Groundwater and Spring
		K-2. POSSIBIE WATER SOURCE TOT WATER HIE	1-

Note : "Schundt and Ferguson Method Source : Provincial Agricultural Services Office and JICA Study Team

Table K-1 Profile of the Candidate Project Site for Orchard Development in North Sumatra Province (4/8)

NS(MN)-1 Mangosteen Tapanuli Selatan Code : Target Fruit :

District :

ltem	(Unit)	Description	20.	IICID	6mov	
Procent Farm Manavement & Seedline Production			4. Agro-	Agro-ecology and Agro-climate	_	
	Lind V Dubber Coller			Tonormany (configuration of the site)		i Flat, undutating, rolling and hilly
- 1	-		4		(3) -	925
1-2. Average landhoiding size of the tarm-household	1			Alternation (Alternation (Alter	Ē	400-700
	-t				(WW)	SCF 1
1-4 Prevailing cultivated varieties of the target fruit trees	(vanety) Local		1			
1-5 No. of planted target fruit trees	(no.) 17100		<u></u>	of wet and dry months)		16.
	(ton) 2,025			wer months	(no.&month	(no.comonth) / (Nov-May)
Ŀ	(months) 5			(2) dry months	i (no.čimonth	(no.&month); 2 (Jun-Jul)
Current farmeate once of the fruit	It Rp/ piece): 1.500-3.000		4	Croundwarer depth	-	
Production inter unligation (manure & chemicals)	(kind) :-			(1) wet months	() ()	8
1	(kind) Coconut and other fruit	r frust		(2) dry months	(a)	
1	(source) Seed		4	Soil type	(whe)	Alluval, Latente, Organosol
		232 >	S. Mark	Marketing		
		2,353) / KUD (90)	(Prese	(Present Market Situation)	[
			[; 	No. of local markets within 50 km circle from the site	(00.)	8
	thind/no \ RRI Unit (14)			Marketing channel (farmers - collector/ middleman -	(yow)	Farmers - Collectors - Crnes/ Exports
			 	PANDE - ATTACT)		
٩t	-†		k	the second (local subdistances	(dechration	(destination) Medan / Exports
2-1 Target (priority) fruit	(kind) Mangosteen		2 -			
	(ha) 2×00			districts, provinces, towns, clues & export)		
	(ha) 800		Ţ	Form of marketed products (fresh - processed)	(state)	ŀrêsh
(2) Medium term (2004-2008)	(ha) 1000		(Mark	Murketing Prospective)		
1	(ha) 1000		5. 5.	Marketing channel (farmers - collector/ middleman -	(flow)	Parmers - Farmers' Groups - Collectors' Wholesalers -
	t-		 		_	Towns/ Cities • Exports
1	t			Markeine target (district, province, city and/or export)	(targets)	Medan and Exports
			ľ	E	(State)	i Fresh
	1		÷			
2-6 Plant(s) recommended to be inter-cropped	(kind) Secondary crops		0			
Socio-economic Condition of the Site			1.1.62	Present Processing Factures)		
3-1 No. of candidate participant farmers	(no.) 2X50		<u>ہ</u>	Existing processing facilities of the target thut	λ XX XX	
3-2 No. of villages concerned	(no.) 5			Processed products	(kind)	
1.1 Distance to the Provincial capital (Road class I)	(km) 300			(drying, canning, bottling, processed products, etc.)		
	(km) 10		5 5	Capacity of the processing facility	(ton/day)	-
1	: (km) 10		(Ente	(Enhuncement Pluming)		
1	(class)			Required post-harvest handling activities	(kind)	Cleaning / Sorting / Grading / Packaging
	1-		 -	(cleaning, sorting, grading, processing, packaging, ctc.)		
	+		Se la	Expecting processed products	(joind)	Fresh fruit for export
2.6 LASCRICE IN the IRCHESA SCIPCIFUL AIL POIL	(ver of no) Yes		7. Infra	Infrastructure and Facilities		
				Evision (Evision facilities for incland mone/ finite	(bend)	57 -
3-10 Source of dinking water (well, spring, river, etc.)	(KINU) Spring		5 	in and arbuird the housest site		
				1		Other and Constant
			2	rossible water source for watering	(NUN)	
			Į			

Note : "Schindt and Ferguson Method Source : Provincial Agricultural Services Office and JICA Study Team

Table K-1 Profile of the Candidate Project Site for Orchard Development in North Sumatra Province (5/8)

Code : NS(MN)-2 Target Fruit : Mangosteen District : Tapanuli Uura

Present Farm Management & Seedling Production 1-1 Cultivated crops 1-2 Average landholding size of the farm-household 1-3 Average cultivation area of the target fruit tree 1-4 Prevaling cultivation area of the target fruit trees 1-5 No. of planted target fruit trees					
I-i Cultivated crops I-2 Average landholding size of the farm-household Average cultivation area of the farm-household A Prevaling cultivated varients of the farget fruit trees No. of planted target fruit exes			4. Agro-ecology and Agro-climate		
	(kind)	Coffee, Com, Pine apple, Grass	4-1 Topography (configuration of the site)	~	I Hat, undulating, roting and nuity
	(µa)	0.61	4-2 Stope		0-40
	1_	0.1	4-3 Almude (or elevation)	(a)	600-800
		Local	4.4 Annual rainfall	(mm)	1,898,1
	1-		4-5 Climate type (No. of wet and dry months)*	(1476)	A2
			1	(no.ccmonth)	10 (Aug-May)
	(monthe)		(2) developed	(no.dumonth)	0
1. Harvest season of the farget fruit	(Kn / Dicce)	1.000-2.500	١ž		
	1100			(E)	K
1 E.	+	Wood and other fruit	1	Ê.	12
1-10 Inter-cropping plant(a) (†-	Sred	15	(úype)	Yellow red podzolic, Regosol, and Luthosol
1-11 Procurement of securitys (second indication of the device of the second point of the device of the second point of the device of the second point of the device of th	+-	PPS (2) / PPL (212)	12		
	13	Kelombok Tani (1.996) / KUD (95)	12		
			S-1 No. of local markets within 50 km circle from the site	(00)	15
1-14 Available medit services for fant growing	(kind/ no.)	BRI Unit (16)	5-2 Marketing channel (farmers - collector/ middletnan -	(ilow)	Farmers - Collectors - Citics/ Exports
Development Plan for the Taront Philit Cenving			towns - cities - export)		
2.1 - Tarvet (monty) fruit	(kind)	Manyosteen	5-3 Present destination of the crops (local, subdistricts,	(destination)	(destination) Medan and/or Exports
2.2 Development land arts 11.	-	2500	districts, provinces, towns, cines & export)	- 1	
/1/ Short term (ii) to 2003)	Ē	500	5-4 Form of marketed products (fresh - processed)	(state)	: Fresh
	┢	000	(Marketing Prospective)		
1	╞╴	1000	5-5 Markenng channel (farmers - collector/ middleman -	(flow)	Farmers - Farmers' Groups - Collectors' Wholesalers -
2-2 Tamer and uction in short-term action prostatility	(ton)	1000	towns - cines - export)		Towns/ Cities + Exports
2.4 Tarost working her her her are	(100)	- -	5-6 Markeing target (district, province, city and/or export)	(targets)	Medan and Exports
	5	Local	5.7 Form of future market demand (fresh - processed)	(state)	i Fresh
1 6 Diante Maximum and At he merchined	-	Secondary crops	6. Post-harvest Handling		
-11	t		(Present Processing Fuculities)		
3.1 No of condidate netherbant farmers	(10.)	1350	6-1 Existing processing facilities of the target fruit	(366)	No
1	+-		6-2 Processed products	(kind)	
		200	(drying, canning, bottling, processed products, etc.)		
1	1	65	6-3 Capacity of the processing facility	(ton / day)	
3.5 Distance to the Subdistract carital (Road class III)	(w)	30	(Enhuncement Plumning)	-	
L	(class)	III III	6-4 Required post-harvest handling activities	(pup))	Cleaning / Soming / Grading / Packaging
1	(matenal)	Asohalt	(cleaning, sorting, grading, processing, packaging, ctc.)		
Т		180	6-5 Expecting processed products	(kind)	Fresh fruit for export
1	(ves of bo) Yes	Ycs	7. Infrastructure and Facilities		
	(kind)	Spring	1 A-1 Existing impation facilities for upland crops/ fruits	(kind)	NII NII
			in and around the project site	_	
			8-2 Possible water source for watering	(kind)	Spring and Groundwater

Table K-1 Profile of the Candidate Project Site for Orchard Development in North Sumatra Province (6/8)

Code : NS(MA)-J Target Fruit : Marquisa District : Karo

(tem)	(Dett)		
Present Parm Management & Needling Production		4. Agro-ecology and Agro-climate	- 1
1-1 Cultivated crock	(kind) Second crops. Fallow land, Bush	4-1 Topography (configuration of the site)	(type) Flat, undulating, rolling, hilly and mountainoux
Ł	0.05	4-2 Slope	(%) 15-40
1		4-3 Alritude (or elevation)	(m) ×00-1.000
	ħ	4-4 Annual rainfall	(mm) 1,36K
1	ŧ	4-5 Climate type (No. of wet and dry months)*	(type) A2
	(ton) 27	(1) wet months	(no.&month): 7 (Sep-Dec and Mar-May)
	(months) []0	(2) dry months	i(no.Kmonth) 0
	i(Rp/ piece) 300-600	4-6 Groundwater depth	
	(knd) -	(1) wet months	(m) 10
Ι.	(kind) Vegetable	(2) dry months	(m) 15
	t	4-7 Soil type	(type) Andosol and Red yellow podzolic
1	┢╴	S. Marketing	
1 -	(kind/no.) Kelompok Tani (516) / KUD (13)	(Present Market Situation)	
1		5-1 No. of local markets within 50 km circle from the site	(no.) 9
1-14 Available credit services for that growing	(kind/ no.) BRI Unit (22)	5-2 Marketing channel (farmers - collector/ middleman -	(flow) Farmers-Collectors - Processors/ Cities
	i -	towns - citres - export)	
2-1 Target (prionity) finit	(kind) Marguisa	5-3 Present destination of the emps (local, subdistricts,	(destination) Brastagi and/or Modan
Ð	(ha) (3000	districts, provinces, towns, cities & export)	
F.	t	5-4 Form of marketed products (fresh - processed)	(state) Fresh and Processed
	(ha) 1000	(Marketing Prospective)	-
	(ha) 1000	5-5 Marketing channel (farmers - collector/ middleman -	(flow) Farmers - Farmers' Groups - Processors
2-3 Target production in short-term action program	(ten) ×000	towns - cities - export)	
1	(ton) 8	5-6 Markeing target (district, province, city and/or export)	i (targets) Exports
	(vanety) ! Asam Berastagi	5-7 Form of future market demand (fresh • processed)	(state) Processed
1	(kind) i Vegetable and Com	6. Post-harvest Mandling	
Socio-economic Condition of the Site		(Present Processing Faculties)	-†
3-1 No. of candidate participant farmers	(no.) 1750	6-1 Existing processing facilities of the target fruit	-1
3-2 No. of villages concerned	(no.) 14	6-2 Processed products	(kind) Fruit juice
1-3 Distance to the Provincial capital (Road class I)	(km) 85	(drying, canning, bottling, processed products, etc.)	
3-4 Distance to the District capital (Road class II)) (km.) 20	6-3 Capacity of the processing facility	+ (ton / day) 3-5 ton marquisa per day
3-5 Distance to the Subdistrict capital (Road class III)	r (km) 6	(Enhancement Planning)	
	\sim	6-4 Required post-harvest handling activities	(kmd) Cleaning/Sorning
L .	(material) Asphalt	(cleaning, sorting, grading, processing, packaging, ctc.)	
3-K Distance to the nearest seaport/ airport	(km) 85	6-5 Expecting processed products	i (kind) Drink product
3-9 Electrification	· (yes or no) Yes	7. Infrastructure and Facilities	- F
3-10 Source of drinking water (well, spring, nver, etc.)	(kind) Well	8-1 Existing imigation facilities for upland crops/ fruits	(kind) Nil
		in and around the project site	- 1
		8-2 Possible water source for watering	(kind) Spring and Groundwater

Note : *Schundt and Ferguson Method Source : Provincial Agricultural Services Office and JICA Study Team

Table K-1 Profile of the Candidate Project Site for Orchard Development in North Sumatra Province (7/8)

Code : NS(RB)-1 Target Fruit : Rumbutan District : Langkat

1. 1. Collinvated reps. Num 1.1 Cultivated reps. (kind) Sevelang frout (kind) Sevelang cultivation area of the target fruit trees. (kind) Severation curvated vareates of the target fruit trees. (kind) Severation curvated vareates of the target fruit trees. (kind) Severation curvated vareates of the target fruit trees. (kind) Severation curvated vareates of the target fruit trees. (kind) Severation curvated vareates of the target fruit trees. (kind) Six63 1-5 Nore of the target fruit (kind) (kind) Six63 Six60-60 1-5 Francest season of the target fruit (kind) (kind) Six63 1-6 Annal average production in last five years (no.) 3x23 Six60-60 1-7 Harvest season of the target fruit (kind) (kind) Six60-60 1-8 Fourtent familier (kind) (kind) (kind) Six60-60 1-10 Interectoprinted intermet of cold reproduction maturitier (kind) (kind) (kind) Six60-60 1-11 Procurement in proceed inumet (kelompek Tani, KUD, etc.)	4. Approved only and Approved imate V crops 4-1 Topography (configuration of the site) 4-2 Stope 4-3 Stope 4-4 Annual ranifal 4-5 Clumate type (No. of wet and dry months)* 4-5 Clumate type (No. of wet and dry months)* 4-6 Clumate type (No. of wet and dry months)* 4-7 Clumate type (No. of wet and dry months)* 4-6 Clumate type (No. of wet and dry months)* 4-7 Clumate type (No. of wet and dry months)* 4-7 Clumate type (No. of wet and dry months)* 5 Arresting 5 Arresting 7 Sol type 5-1 No. of local markets within 50 km circle from the site 5-2 Marketing channel (farmess - collectorf modleman - towns, cintes 4 export) 5.3 Market of etimes (farmess - collectorf modleman - towns, cintes 4 export)	(Type) Plaun (4, b) 10 (7, b) 10 (7, b) 10 (7, b) 1790 (7, b) 17, 900 (7, b) 10 (7, b) 8 (7, b) 8 (7, b) 9 (7,	Plaun 6-2 10 1.790 1.7000 1.7000 1.7000 1.7000 1.7000 1.7000 1.7000 1.7000 1.7000 1.7000 1.7000 1.7000 1.7000 1.7000 1.70000 1.70000 1.7000000 1.70000000000
Present Farm Management & Seedling, Frouction (kind.) Seybean, Com and O 1-1 Cuitivated trops (ha.) 1 (ha.) 1 1-3 Average cultivated varieties of the target fruit trees (ha.) 0.4 1-4 Prevaling cultivated varieties of the target fruit trees (ha.) 0.4 1-5 No. of planed target fruit trees (no.) 18692. 1-5 No. of planed target fruit (fmonths) 5 1-5 No. of planed target fruit (fmonths) 5 1-5 No. of planed target fruit (fmonths) 5 1-9 Production input ublization (manure & chemicals) (kind) . 1-9 Production input ublization (manure & chemicals) (kind) . . 1-10 Ecourtersphere proce of the fruit (kind) 1-10 Ecourtersphere of planed target fruit forwing (kind) 1-10 Procuretropping frain (kind) 	cropss 4-1 Topography (configuration of the site) 4-5 Antitude clevation) 4-5 Antitude clevation) 4-5 Climate type (No. of wet and dry months)* 4-5 Climate type (No. of wet and dry months)* 4-5 Climate type (No. of wet and dry months)* 1 wet months 4-5 Climate type (No. of wet and dry months)* 1 wet months 4-5 Climate type (No. of wet and dry months)* 4-6 Croundwater depth (1) wet months 4-7 Soil type 5. Marketing 5. Marketing 5. Marketing channel (farmers - collector)		ce) keposol . Aliluvial, and Yellow red podze Collectors - Cines/Exports
1-1 Cultivated crops. (kind.) Svoperant, com and cit 1-2 Average Liardholding size of the farm-household (kind.) Svoperant, com and cit 1-3 Average Liardholding size of the farm-household (ha) 1.4 1-4 Prevaling cultivated vareates of the target finit trees. (ha) 1.4 1-5 No. of planted target fruit trees. (no.) 18/6922. 1-5 Annual average production in last five years. (no.) 18/6922. 1-6 Annual average production in last five years. (no.) 18/6922. 1-7 Production input unitization (manure & chemicals) (kind) 2/824y and Secondary. 1-10 Inter-cropping plant(s) (kind) 2/824y and Secondary. 1-11 Production input unitization (manure & chemicals) (kind) Nacky 1-11 Production input unitization (manure & chemicals) (kind) Nacky 1-12 Production input unitization (manure & chemicals) (kind) Nacky 1-13 Extense of nucleus matturion for grouping finit (kind) Nacky 1-13 Extense of nucleus services for fault growing (kind) Nacky 1-14 Extense of nucleus services for fault growing (kind) Nachy 1-15 Extense of nucle	4.2 Slope 4.3 Althade (or elevanton) 4.4 Annual ranfall 4.5 Climate type (No. of wet and dry months)* 4.6 Climate type (No. of wet and dry months)* 4.6 Climate type (No. of wet and thy months)* 4.6 Climate type (No. of wet and thy months)* 4.6 Climate type (No. of wet and thy months)* (1) wet months (2) dry months (1) wet months 4.7 (0) (2) dry months 4.7 (0) (2) dry months 4.7 (0) 5.1 No of local markets within 50 km circle from the site 5.1 No of local markets within 50 km circle from the site 5.1 No of local markets within 50 km circle from the site 5.1 No of local markets within 50 km circle from the site 5.1 No of local warkets within 50 km circle from the site 5.3 Marketing channel (farmets - collector) 5.4 Origination (farmets, collector)		ee) keresol Alluvial, and Yellow red podz Collectors - Crites/Exports
1-2 Average landholding size of the farm-household (ha) 1 1-3 Average cultivation area of the target fruit reces. (na) 0.4 1-4 Average cultivation area of the target fruit reces. (no) 1.88692 1-5 No. of planted arget fruit reces. (no) 3.823 1-5 Annaal average production in last five years. (no) 3.823 1-5 Harvest season of the arget fruit. (Ro) 3.823 1-5 Harvest season of the target fruit. (Ro) 3.823 1-5 Harvest season of the target fruit. (Ro) 3.823 1-7 Harvest season of the target fruit. (Rind) 3.825 1-8 Toworthy and average production input unitation (manure & chemicals) (Kind) 5.840 1-10 Incerctoppung plant(s) (Kind) (Kind) 5.845 1-11 Production input unitation (manure & chemicals) (Kind) (Kind) 5.845 1-12 No. of Piss and Pit I. Arailable from (manure & chemicals) (Kind) (Kind) 5.845 1-12 No. of Piss and Pit I. Arailable from (Kind) (Kind) 5.950 1-12 No. of Pission (Kind) (Kind) (Kind) 5.950 1-12 No. of Pission	4.4 Annual rantial 4.4 Annual rantial 4.4 Annual rantial 4.5 Clanate type (No. of vet and dry months)* 4.6 Comparing (1) wet months 4.6 Comparing (1) wet months 4.6 Commodwater depth (1) wet months (2) dry months 4.7 Soil type (2) dry months 4.7 Soil type 5. Marketing channel (farmers, collector) middleman 5. Marketing channel (farmers, collector) middleman 5. Marketing channel (farmers, collector) middleman 5.3 Present destination (b) 5.4 No of local markets within 50 km citcle from the site 5.2 Marketing channel (farmers, collector) 5.3 Marketing channel (farmers, collector)		ce) keposoli All'uvral, and Yeliow red podzi Goliectors - Circel Exports ceh andfor Jákarta
1-3 Average cultivation area of the target fruit rice (ha) 0.4 1-4 Prevaling cultivation area of the target fruit rice (ha) 0.4 1-5 Annol planned target fruit 1.85692 1-5 Annol stance target fruit (no) 1.85692 1-5 Annol stance target fruit (no) 1.85692 1-5 Annol stance percect of the target fruit (no) 1.85692 1-7 Harvest season of the target fruit (no) 1.85692 1-9 Production input unitization (manure & chemical) (no) 1.85692 1-10 Production input unitization (manure & chemical) (nod) Pady and Secondary 1-11 Production input unitization (manure & chemical) (nod) Pady and Secondary 1-11 Production input unitization (manure & chemical) (nod) Nirrey 1-12 No. of Piss and PPL A specialized in horiculiare dev. (nod) Pidy and Secondary 1-13 Existence of nucleus institution for grouping fruit (nod) Nirrey 1-13 No. of Piss and PPL A specialized in horiculare dev. (nod) Edd 1-13 Existence of nucleus institution for grouping fruit (nod) Nirrey 1-14 Availadert (nod) (nod) Nirrey	A. Minual ranking and any months) 4.5 Climate type (No, of wet and dry months) 4.5 Climate type (No, of wet and dry months) 4.5 Crowndwater depth (1) wet months 4.6 Crowndwater depth (1) wet months 4.7 Soil type 5. Markense (frames, within 50 km circle from the site 5.2 Markense (frames, within 50 km circle from the site 5.2 Markense (frames, collector modelman 5.3 (hor so flocal markets within 50 km circle from the site 5.4 No. of local markets within 50 km circle from the site 5.5 (hor so flocal markets within 50 km circle from the site 5.6 (hor so flocal markets within 50 km circle from the site 5.6 (hor so flocal within 50 km circle from the site 5.6 (hor so flocal within 50 km circle from the site 5.7 No. of local within 50 km circle from the site 5.6 (hor so flocal within 50 km circle from the site 5.7 (hor so flocal within 50 km circle from the site 5.8 (hor so flocal within 50 km circle from the site 5.9 (hor so flocal within 50 km circle from the site 5.1 No. of local within 50 km circle from the site 5.1 No. of local within 50 km circle from the site 5.2 (hor so flocal within 50 km circle from the site 5.1 No. of local within 50 km circle from the site 5.1 No. of local within 50 km circle from the site 5.1 No. of local within 50 km circle from the site 5.1 No. of local within 50 km circle from the site 5.2 (hor so flocal within 50 km circle from the site 5.1 No. of local within 50 km circle from the site 5.1 No. of local within 50 km circle from the site 5.2 (hor so flocal within 50 km circle from the site 5.2 (hor so flocal within 50 km circle from the site 5.1 No. of local within 50 km circle from the site 5.2 (hor so flocal within 50 km circle from the site 5.2 (hor so flocal within 50 km circle from the site 5.2 (hor so flocal within 50 km circle from the site 5.2 (hor so flocal within 50 km circle from the site 5.2 (hor so flocal within 5		ee) keposoli Alluvial, and Yellow red podz Collectors - Citres/ Exports col and/or Jakarta
1-4 Prevaring cultivated varenteres of the target fruit trees (vanety) Biohneng, Binjai, Kap 1-5 No. of planted target fruit trees (no.) 14K692 1-5 Harrest assents of production in list (irve years (no.) 14K692 1-5 Harrest assents of production in list (irve years (no.) 14K692 1-5 Harrest assents of production list (irve years (no.) 14K692 1-9 Production input unlitration (manure & chemicals) (kind) . 1-9 Production input unlitration (manure & chemicals) (kind) . 1-10 Inter-cropping plant(s) (kind) Narsey 1-11 Eurent (ampar proce of the fruit (kind) Narsey 1-13 Eutence of nucleus matturion for grouping fruit (kind) Narsey 1-13 Eutence of nucleus matturion for grouping fruit (kind) Narsey 1-13 Eutence of nucleus matturion for grouping fruit (kind) Narsey 1-13 Eutence of nucleus matturion for grouping fruit (kind) (ha) 900 1-13 Eutence of nucleus matturion for grouping (kind) (ha) 900 2-14 Available credit acruces for fruit growing (kind) (ha) 900 2-1 Target (4.4 Annual ratitiau 4.5 Climate type (No. of wet and dry months)* (1) wet months (2) dry months (2) dry months (3) dry months (4.6 Croundwater depth (1) wet months (1) wet months (2) dry months (1) wet months (2) dry months (2) dry months (3) type (4) (1) (2) dry months (3) type (4) (1) (4) (1) (4) (1) (1) wet months (2) dry months (3) type (4) (1) (7) dry months (7) dry months (7) dry months (7) dry months (8) type (9) type (1) type (1) type		ee) keposol, Alluvial, and Yellow red pod. Colloctors - Cines/ Exports
1-5 No. of planed arger fruit roes (no.) 186692 1-6 Annual average production in last five years (no.) 3.823 1-7 Harrest season of the target fruit (mo.) 3.823 1-8 Harrest season of the target fruit (mo.) 3.823 1-9 Production input unitration (manure & chemicals) (kind) 9.849 and Secondary 1-10 Inter-cropping plan(s) (kind) Production input unitration (manure & chemicals) (kind) 1-11 Production input unitration (manure & chemicals) (kind) Production Production 1-11 Production input unitration (manure & chemicals) (kind) Production Production 1-12 No. of PSs and PPL a specialized, intract, (kind) (kind) Kinok (S2) 1-12 No. of PSs and PPL a specialized, intract, (kind) (kind) Kinok (S2) 1-12 No. of PSs and PPL a specialized, intract, (kind) (int (i.)) (kind) 1-14 Avaniable credit services for fault growing (kind) (kind) (int (i.)) Development Plan for the Target Frait Growing (kind) (int (i.)) (int (i.)) Development Plan for the Target Frait Growing (kind) (int (i.)) (int (i.)) Development Plan fore the Target Frait Growing </td <td>4-5 Climate type (No. of wet and dry monus) (1) wet months (2) wet months (1) wet months</td> <td></td> <td>ce) keposol. Alluvral, and Yellow red pod Collectors - Crites/ Exports</td>	4-5 Climate type (No. of wet and dry monus) (1) wet months (2) wet months (1) wet months		ce) keposol. Alluvral, and Yellow red pod Collectors - Crites/ Exports
1-5 Annual premiser production in last five years (ion) 3.x23 1-7 Harvest season of the target fruit (ino) 5.x23 1-8 Current famgare proce of the fruit (ino) Poddy and Secondary 1-9 Production inplu ubilization (mainte & chemicals) (kind) Paddy and Secondary 1-11 Production inplu ubilization (mainte & chemicals) (kind) Paddy and Secondary 1-11 Production of stadings (seed, numery, PRAS, etc.) (kind) Paddy and Secondary 1-11 Production of stadings (seed, numery, PRAS, etc.) (kind) Nirrsey 1-12 No, of Piss and PPL A specialized in horiculture dev (no.) Piddy and Secondary 1-12 No, of Piss and PPL A specialized in horiculture dev (no.) Nirrsey 1-13 Extistence of nucleus institution for grouping finit (kind/ no.) Nirrsey 1-12 No. of Piss and PPL A specialized in horiculture dev (no.) Nirrsey 1-13 Extistence of nucleus institution for grouping finit (kind/ no.) Nirrsey 1-12 No. of Piss and PPL A specialized in moriculture dev (no.) Nirrsey 1-13 Extistence of nucleus institution for grouping (kind/ no.) Nirrsey 1-13 Extistence of nucleus for the Target Fruit Growing </td <td>(1) wet months (2) dry months 4-6 Croundward depth (1) wet months (1) wet months (1) wet months (2) dry months (2) dry months (3) dry months (1) wet months (2) dry months (3) dry months (1) wet months (2) dry months (3) dry months (4) frequent dramation (5) Markening channel (farmers, collector modeleman - towns, cuber de export) (5) Premis cities - export) (6) dramatics, towns, cuber de export)</td> <td></td> <td>cer cepesol Alluvial, and Yellow red pod Collectors - Crites/ Exports condor Jakarta</td>	(1) wet months (2) dry months 4-6 Croundward depth (1) wet months (1) wet months (1) wet months (2) dry months (2) dry months (3) dry months (1) wet months (2) dry months (3) dry months (1) wet months (2) dry months (3) dry months (4) frequent dramation (5) Markening channel (farmers, collector modeleman - towns, cuber de export) (5) Premis cities - export) (6) dramatics, towns, cuber de export)		cer cepesol Alluvial, and Yellow red pod Collectors - Crites/ Exports condor Jakarta
1-0 Annual inscripte production in that if the years (months) 5 1-10 Han-est assert production in that if the years (months) 5 1-10 Production input unitization (manure & chemicalis) (kind) . 1-11 Production input unitization (manure & chemicalis) (kind) . 1-11 Discreting and proce of the fruit (kind) . 1-11 Discreting (seed, nursey, PAA, stc.) (sunce) Nursey 1-11 Existence of nucleus matiturion for grouping fruit (kind) no.) Piki Unit (l4) 1-13 Existence of nucleus matiturion for grouping fruit (kind) no.) Biki Unit (l4) 1-13 Existence of nucleus matiturion for grouping fruit (kind) no.) Biki Unit (l4) 1-14 Existence of nucleus matiturion for grouping fruit (kind) no.) Biki Unit (l4) 1-14 Analiable credit services for fruit growing (kind) no.) Biki Unit (l4) 1-14 Analiable credit services for fruit growing (kind) no.) Biki Unit (l4) 1-14 Analiable credit services for fruit growing (kind) no.) Biki Unit (l4) 1-14 Analiable credit services for fruit growing (kind) no.) Biki Unit (l4) 2-1 Inspect(prionty) fruit (xind) no.) Distant (kind)<	(2) dry months 4-6 Groundwater depth (1) wet months (1) wet months (2) dry months (2) dry months (2) Arr Soil type (2) Narferting (2) Narferting (2) Narferting (2) Narferting (3) Nare cutes - expent) (3) Nare cutes - expent) (3) Nesen destination of the crops (local, subharnets, district, provinces, towns, cites & disport)		keposol, Alluvial, and Yellow red pod Collectors - Crites/ Exports
1-7 Harrest season of the larget fruit (PAD) 1-8 Chernent largue prece of fruit (Rhof) • 1-9 Production input unitization (manure & chemicals) (Rhof) • 1-10 Inter-cropping plan(ts) (Kind) • 1-11 Production input unitization (manure & chemicals) (Rhof) • 1-12 No. of PPSs and PPL A specialized in hortor, PRAS. etc.) (Sind) Production 1-12 No. of PPSs and PPL A specialized in hortor, PRAS. etc.) (Sind) Niosk (S2) 1-12 No. of PPSs and PPL A specialized in hortor, PRAS. etc.) (Sind) Niosk (S2) 1-12 No. of PPSs and PPL A specialized in hortor, PRAS. etc.) (Kind) Niosk (S2) 1-13 Production PPS and PPL A specialized in POND etc.) (Kind) Niosk (S2) 1-14 Available credit services for fault growing (Kind) Niosk (S2) 1-14 Available credit services for fault growing (Kind) Niosk (S2) 1-14 Available credit services for fault growing (Kind) Niosk (S2) 1-14 Available credit services for fault growing (Kind) Niosk (S2) 1-14 Available credit services for fault growing (Kind) Niosk (S2) 1-14 Available credit services for fault	446 5. Marter 5. 19 5. 5. 10 5. 5. 10 5. 5. 10 5. 5. 10 5. 5. 10 5. 5. 10 5. 1	(m) 3 (m) 8 (m) 8 (ryne) Andesol. Re (ryne) 9 (no.) 9 (no.) 9 (no.) 7 Farmers - C (destination) Medan, Acc	kepesol. Alluvral, and Yellow red pod. Collectors - Crites/ Exports
1-8. Current lamgare proce of the rout 1.4 NpJ Procession 1-9. Procurrent of seedings (seed, nume & chemicals) 1 (huld) 1-11 Procurrent of seedings (seed, nume & PRAS, etc.) 1 (huld) 1-12 No. of PPSs and PPL specialized in homoulture dev. (no.) 1-13 Existence of nucleus matitunor for grouping fruit (kind) no.) 1-14 Procurrent of seedings (seed, nume %, PRAS, etc.) (kind) no.) 1-15 No. of PPSs and PPL specialized in homoulture dev. (no.) 1-16 Existence of nucleus matitunor for grouping fruit (kind) no.) 1-17 No. of PPSs and PPL specialized (nume, red) Nicok (S2) 1-18 Existence of nucleus matitunor for grouping fruit (kind) no.) 1-14 Available frement (Neilompsk) fruit (kind) no.) 2-1 Target (prontry) fruit (ha) (S0) 2-1 Target (prontry) fruit (ha) (no.) 2-2 Development thand area (ha) (no.) 2-3 Target production in short-term action program (ha) (no.) 2-4 Target production in short-term action program (no.) 23(0 2-5 Plant(s) reconnended to be inter-eropped (kind) Scondary erops 2-5 Plant(s) reconnended to be inter-eropped (no.) 900 2-5 Plant(s) reconnended to be inter-eropped (no.) 900 2-5 Plant(s) reconnended to be inter-eropped		(m) 3 (m) 8 (rype) Andosol. Re (rype) 7 (rype) 7	keposol. Alluvial, and Yellow red pod. Collectors - Crites/Exports collectors - Crites/Exports
1-9 Production input unitration (manure & chemicals) (kind) 1-10 Inter-erropting plant(s) 1-11 Nursey 1-12 No. of PPs and PPL 4 specialized in homoulture dev. (no.) Prs. (h), PPL (154 1-13 Nursey Nursey 1-14 Existence of nucleus sustitution for grouping fruit (kind) no.) Prs. (h), PPL (154 1-13 Existence of nucleus sustitution for grouping fruit (kind) no.) Prs. (h), PPL (154 1-13 Existence of nucleus sustitution for grouping fruit (kind) no.) Nicok (52) 1-14 Existence of nucleus sustitution for grouping (kind) no.) Nicok (52) 1-14 Existence of nucleus sustitution for grouping (kind) no.) Nicok (52) 1-14 Existence of nucleus sustitution for grouping (kind) no.) Nicok (52) 1-14 Existence of nucleus sustitution for grouping (kind) no.) Nicok (52) 1-14 Existence of nucleus sustitution for the Target Fruit Growning (kind) no.) Nicok (52) 2-14 Target (priority) fruit (kind) no.) (kind) no.) 200 2-24 Target production in short-term action program (no.) 200 2-3 Varget production in short-term action program (kind) Soo	4-7 5. Marke 5-1 5-1 5-3	(m) k (rype) Andosol. Re (no.) 9 (no.) 9 (no.) Parmers C (destinanton) Medan, Acc	cerosol. Alluvial, and Yellow red pod Collectors - Crites/ Exports collectors - Starta
1:10 Inter-cropting plain(s) 1:10 Production (s) Prad of the secting (sec), nursely, PRAS, etc.) (nind) Prad of the secting (sec), nursely, PRAS, etc.) (non) Prad of the secting (sec), nursely, PRAS, etc.) (non) Prad (s) (non) Prad (s) (non) Pred (s) (non) <td>4-7 5. Marke 25. 5.3</td> <td>(type) Andosol. Re (no.) 9 (flow) Farmers - C (destination) Medan, Acc (state) Fresh</td> <td>keresol, Alluvial, and Yellow red pod Collectors - Crites/ Exports Collectors - Atarta</td>	4-7 5. Marke 25. 5.3	(type) Andosol. Re (no.) 9 (flow) Farmers - C (destination) Medan, Acc (state) Fresh	keresol, Alluvial, and Yellow red pod Collectors - Crites/ Exports Collectors - Atarta
1-11 Procurrent of seedings (seed, nursey, PRAS, etc.) (source) Nursery 1-12 No. of PPSs and PPLs specialized in homoulture dev. (no.) PPS (6)/ PPL (1/st.) 1-12 Existence of nucleus muturon for grouping fruit (kind no.) PPS (6)/ PPL (1/st.) 1-13 Existence of nucleus muturon for grouping fruit (kind no.) PR(6)/ PPL (1/st.) 1-14 Existence of nucleus muturon for grouping (kind no.) BRI Unit (1.3) D-14 Available credit services for fluit growing (kind no.) BRI Unit (1.4) D-14 Available credit services for fluit growing (kind no.) BRI Unit (1.4) D-14 Available for the Target Frait Growing (kind no.) BRI Unit (1.4) D-14 Available for the Target Frait Growing (kind no.) BRI Unit (1.4) D-14 Available for the Target Frait Growing (kind no.) BRI Unit (1.4) D-14 Available for the Target Frait Growing (kind no.) BRI Unit (1.4) D-14 Available for the Target Frait Growing (kind no.) BRI Unit (1.4) D-14 Available for the Target Frait Growing (kin	5. Marke	(no,) 9 (flow) Parmers-C (destination) Medan, Acc (destination) Medan, Acc	Collectors - Cirtes/ Exports ceh andfor Jákarta
1-12. No. of PESs and PPL specialized in homeulture dev. (no.) PPS (6)/ PPL (1/St 1-13. Extensions of nucleus institution for grouping fruit (kind/no.) Kelempok Tani (1.St) 2.13. Extensions of nucleus institution for grouping fruit (kind/no.) Kelempok Tani (1.St) 2.13. Extensions for the Target Fruit Growing (kind/no.) Kelempok Tani (1.St) 2.1< Target (priority) fruit	5. Mark	(flow) Farmers - C (flow) Farmers - C (destinantion) Medan, Acc	Collectors - Crites/ Exports ch and/or Jákarta
1-11 Excension of nucleus manifunion for grouping fruit (kindi no.) Kelompok Tani (1.3) 1-12 Available credit services for fruit growing (kindi no.) Kioak (S2) Development Plant for the Target Frait Growing (kindi no.) Kioak (S2) Development Plant for the Target Frait Growing (kindi no.) Kindi (1.4) 2.1 Target (priority) fruit (kindi no.) Kindi (1.4) 2.2 Development land arca (ha) (00) 2.1 Target (priority) fruit (kindi no.) Skil Unit (14) 2.2 Development land arca (ha) (00) 2.3 Target production in short-term action program (in) 500 2.4 Target production in short-term action program (in) 500 2.4 Target production in short-term action program (in) 500 2.4 Target production in short-term action program (in) 500 2.4 Target production of the Site (in) 500 2.4 Target production of the Site (in) 560 3.5 Variey recommended (in) 560 3.6 Sociodary crops (in) 560 3.7 No. of candidate participan farmers (in) 500	2-1 	(no.) 9 (now) Farmers-C((destination) Medan, Acc (state) Fresh	Collectors - Crites/ Exports contactions - Antes/
1-14 Available credit services for fruit growing (kind/no.) 1-14 Available credit services for fruit growing (kind/no.) 2-1 Target (priority) fruit (kind/no.) 2-2 Development land area (kind/no.) 2-3 Target (priority) fruit (kind/no.) 2-3 Target production in short-term action program (kind) 2-4 Target production in short-term action program (kind) 2-5 Plantish recommended to be inter-cropped (vanety) 2-6 Plantish recommended to be inter-cropped (kind) 3-1 No. of candiduce participant farmers (no.) 3-1 Nearoff code from for solition of the Site (no.)		(no.) Y (flow) Farmers -C. (destination) Modan, Acc (destination) Modan, Acc	Collectors - Ciries/ Exports ceh and/or Jakarta
1.1.4. Available carefies (screeninger tarm, not or character (screeninger tarmers) (kind/ no.) 1.1.4. Available carefies (screeninger) (kind/ no.) Development Plan for the Target Fruit Growing (kind/ no.) 2.1. Target (priority) fruit (kind/ no.) 2.2. Development land area. (kind/ no.) 2.1. Target (priority) fruit (kind/ no.) 2.2. Development land area. (ha.) (i) Short term (up (no 2003)) (ha.) (i) Short term (up (no 2003)) (ha.) (i) Short term (up (no 2003)) (ha.) (ii) Long term (2004-2008) (ha.) (iii) Larget production in short-term action program (ho.) 2.4. Target production in short-term action program (no.) 2.5. Vaarety recommended to be inter-tropped (kind/) 2.5. Vaarety recommended to be inter-tropped (kind/) 3.1. No. of candidute participant farmers (no.) 3.2. No. of candidute participant farmers (no.)		(flow) Farmers - Co (destination) Modan, Acc (state) Fresh	Collectors - Crites/ Exports och and/or Jakarta
1-14 Available credit services for full growing Available credit services for full growing Available for the Target Full Growing Available for the Target Full Growing Available for the Target Full Growing (kind) 2-1 Target (promity) fruit (kind) (kind) (kind) 2-2 Development land area (kind) (kind) (kind) 2-2 Development land area (kind) (kind) (kind) 2-3 Target production in short-term action program (no) (kind) 2-4 Target production in short-term action program (no) (kind) 2-4 Target production in short-term action program (no) (kind) 2-5 Varany recommended to be inter-teropped (kind) (kind) 2-4 Target production of the Site (no) (no) 2-5 Varany recommended to be inter-teropped (kind) (no) 2-4 Target production of the Site (no) (no) 2-5 Varany recommended to be inter-teropped (kind) (no) 2-6 Daraget production of the Site (no) <td></td> <td>(destimation) Modan, Acc (state) Fresh</td> <td>och andior Jakarta</td>		(destimation) Modan, Acc (state) Fresh	och andior Jakarta
Development Plan for the Tanget Fruit Growing Lind 2-1 Target (Fronty) fruit (and) 2-2 Development and train (p) (b) (ha) 2-3 Development and train (p) (ha) (ha) 2-4 Target (protity) fruit (ha) 2-5 Target productivity per hectare (ha) 2-4 Target productivity per hectare (ha) 2-5 Target productivity per hectare (ha) 2-6 Plant(s) recommended to be inter-erropped (knd) 2-5 Plant(s) recommended to be inter-erropped (ho) 3-1 No. of candiduce participant farmers (no) 3-1 No. of villages concerned (ho)		(destination) Medan, Acc (state) Fresh	och and/or Jakarta
2.1 Target (priority) fruit (kind) 2.2 Development and area (kind) 2.2 Development and area (ha) (1) Short term (2000-2008) (ha) (2) Modum term (2000-2008) (ha) (3) Long term (2000-2008) (ha) 2.3 Target production in short-term acrinon program (no) 2.4 Target production in short-term acrinon program (no) 2.5 Vanney recommended to be inter-cropped (yandy) 2.5 Vanney recommended to be inter-cropped (yandy) 3.1 No. of candidute participant farmers (no) 3.2 No. of villages concerned (no) 3.2 Neuroseconomic Concerned (no)		(state) Fresh	
2.2.2 Development land area (ha) 2.(1) Short term (upt to 2003) (ha) 3.(1) Short term (2004-2008) (ha) 3.(2) Andum term (2004-2008) (ha) 3.(3) Jarget production in short-term action program (no) 2.4 Target production in short-term action program (no) 2.5 Vancey recommended to be inter-cropped (vancey) 2.5 Vancey recommended to be inter-cropped (vancey) 3.5 No. of candidate participant farmers (no) 3.1 No. of candidate participant farmers (no)	districts, provinces, towns, clues as carbon	1-	
(1) Short term (up to 2003) (ha) (2) Moduum term (2004-2008) (ha) (3) Long term (2004-2008) (ha) (4) (b) (ha) (5) Long term (2004-2008) (ha) (6) Z-3 Target productivity per hextate (ton) 2-4 Target productivity per hextate (ton) 2-5 Plant(s) recommended to be inter-eropped (kund) 2-6 Plant(s) recommended to be inter-eropped (ho) 3-1 No. of candidute participant famers (no) 3-2 No of the Pownoral conterned (no)	t		
(2) Modulum term (2004-2008) (ha) (3) Long term (2004-2008) (ha) (3) Long term (2009-2018) (ha) (4) Long term (2009-2018) (ha) (5) Target production in short-term acriton program (ton) (7) Target production for hoctaate (ton) (7) Plant(s) recommended to be inter-tropped (kind) (8) No. of candidate participant farmers (no.) (1) No. of candidate participant farmers (no.)	5-4 Form of marketed products (tresh - processod)	t	
(b) Long term (2009-2018) (ha) 2-3 Target production in short-term action program (ha) 2-4 Target production in short-term action program (no) 2-5 Vancy recommended (ino) 2-5 Vancy recommended to be inter-cropped (ino) 2-6 Secto-economic Condition of the Site (ino) 3-1 No. of candidate participant farmers (no) 3-2 No. of villages concerned (no) 3-2 Nearosci of the Site (no)	(Marketing Prospective)	1	
2.3. Target production in short-term acriton program (roh) 2.4. Target productivity per houtate (roh) 2.5. Vancty recommended (roh) 2.6. Plant(s) recommended (roh) 3.7. No. of candidate participant farmers (no.) 3.2. No. of candidate participant farmers (no.)	5-5 Marketing channel (farmers - collector/ middleman -	(tiow) Farmers Fa	Farmers - Farmers Uroups - Conocuery Transcovers -
2-5. Target production in short we manage production of the short we	towns - cines - export)	-	Towns/ Cirres - Exports
2-4 Larget productive per nectare 2-5 Varacty recommended to be inter-cropped (varacty) 2-6 Plant(s) recommended to be inter-cropped (no.) 3-1 No. of candidate participant famers (no.) 3-2 No. of valueses concerned (no.) 3-3 Distances and to be Provincipant famers (no.)	5-6 Markeing target (district, province, city and/or export)	(targets) Medan and	d Exports
2-5 Variety recommended (variety) 2-6 Plant(s) recommended to be inter-eropped (kind) 2-6 Socio-economic Conditions of the Site (kind) 5-1 No. of candidate participant farmers (no.) 3-2 No. of validace concerned (no.) 3-2 No. of Validace concerned (no.)	1	(state) Fresh	
2-6 Plant(s) recommended to be inter-cropped (4000) Secto-economic Condition of the Site (600) 3-1 No. of candidate participant farmers 3-2 No of villages concerned (00.) 3-2 No of villages concerned (no.)	14		
Secto-economic Condition of the Site 3-1 No. of candidate participant farmers 3-2 No. of villages concerned 3-3 Decancers of the Provincial candral (Road class 1) (km)	1		
Ners (no.) (no.) (no.)		Coner No	
No. of willages concerned Distance to the Provincial capital (Road class 1) (km)		Г	
Distance to the Provincial capital (Road class 1) (km)	0-7 Processon products		
	- 1		
Ι.	6-3 Capacity of the processing factury		
	(Enhancement Planning)		
	6-4 Required post-harvest handling activities	(KIND) LICADINE/	Creaning / Urading / Creaking
Ľ	(cleaning, sorting, grading, processing, packaging, etc.)		
Presence to the associet second airmort	6-5 Expecting processed products	(kind) -	
(Ves of no)	7. Infrastructure and Facilities	- 1	
Carterio de Amatricas (cualle seminer muser etc.) (kind.)	8-1 Existing impation facilities for upland crops/ fruits	Kind) [Ni]	
+	in and around the project site	1	
	8-2 Possible water source for watering	: < kind) Groundwater	ator

Note : "Schinndt and Ferguson Method Source : Provincial Agricultural Services Office and JICA Study Team

Table K-1 Profile of the Candidate Project Site for Orchard Development in North Sumatra Province (8/8)

Code: NS(SK)-1 Target Fruit: Salak District: Tapanuli Selatan

2	
ķ	
inder T	
č	
ŝ	

Normet rent and material production (1)	No.	ltem	(nun)	Description	Ż	licem		and show
TerrControl		Participant and and and and and			•			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			/ kind)		Ť		(ixpe)	Flat, Undulating, Rolling to hilly
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $					T		(3)	0.25
1.3. Accuse of character and final metric (Table) 2.3. Antimate character and final metric (Table) 1.3. Accuse of character and final weight point metric (mo) 12.53 (Table) (Table) (Table) 1.3. Accuse of character and final weight point metric (mo) 12.53 (Table) (Table) (Table) 1.3. Current finange proton mit fin fir view (mo) 12.53 (Table) (Table) (Table) 1.3. Current finange proton mit fir view (mo) 12.53 (Table) (Table) (Table) 1.3. Current finange proton finance (mo) (Table) (Table) (Table) (Table) 1.3. Current finange proton finance (Table) (Table) (Table) (Table) (Table) 1.3. Current finange proton (Table) (Table) (Table) (Table) (Table) 1.3. Current finange proton (Table) (Table) (Table) (Table) (Table) 1.3. Current finange proton (Table) (Table) (Table) (Table) (Table) 1.3. Current finange proton (Table) (Table) (Table) (Table) 1.3. Current finange proton (Table) (Table) (Table) (Table) 1.3. State proton (Table) (Tabl	1	Iding size of the farm-household	(ha)	(n)	T			160 700
1. Numerican Sectorements Constraints Constraints Constraints 1. Numerican Sectorements (10) (10) (10) (10) (10) 1. Annual Engel (nint) (10) (10) (10) (10) (10) 1. Annual Engel (nint) (10) (10) (10) (10) (10) 1. Annual Engel (nint) (10) (10) (10) (10) (10) 1. Neutrestance of the angel (nint) (10) (10) (10) (10) (10) 1. Neutrestance (neutrest) (10) (10) (10) (10) (10) 1. Neutrestance (neutrest) (10) (10) (10) (10) (10) 1. Neutrestance (neutrest) (10) (10) </td <td></td> <td>tion area of the target fruit tree</td> <td></td> <td>0.75</td> <td>1</td> <td></td> <td>(ш)</td> <td>1.50-700</td>		tion area of the target fruit tree		0.75	1		(ш)	1.50-700
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		vated varieties of the target fruit trees		Padang Sidempuan	Ĩ	_ I	EE	1,472
15. Annual wateries from the meter frame frame water control (100) (12,30) (100) (12,30) (100) <td></td> <td>arget fruit trees</td> <td>(10.)</td> <td>13295000</td> <td>7</td> <td>Climate type (No. of wet and dry months)</td> <td></td> <td></td>		arget fruit trees	(10.)	13295000	7	Climate type (No. of wet and dry months)		
1) Harden et angen (main et al metric) (month)	L.	production in last five years	(101)	17.253	=	wet months	(no.&month	(Yow-May)
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	1	of the target fruit	(months)	×			(no.&month) 2 (Jun-Jul)
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	L		(Rp./ piece)	1200				
Title Conductor density Conductor density Conductor density Conductor density Conductor <		re & chemicals)	(kind)		–	(1) wet months	(æ)	4
11.1 Processment of secultary intervent for secultary intervent function 4.5 Solitype (100) (100) 1.12.1 Datagene of models and monocline construction for properior fram. (100) (100) (100) (100) 1.13.1 Datagene of models and monocline construction for properior fram. (100) (100) (100) (100) 2.13 Nonlight environs (100) (100) (100) (100) (100) 2.13 Nonlight environs (100) (100) (100) (100) (100) (100) (100) 2.13 Nonlight environs (100) (100) (100) (100) (100) (100) 2.13 Nonlight environs (100) (1	i i	Jant(s)	(kind)	Secondary crops			Ê	é
1:1:: Non of PFXs, and PFL, spectrumer for synthymer frain (most) (Filter Filter Filt		seedlings (seed, nursery, PRAN, etc.)	(source)	Stored	-	Soil F	(adai)	Alluvial, Latente, Regosof, Grumusof, Yellaw red -
1.1. Extrance of nuclears metianene for growning front (mod factor Strutture) (mod factor Struttue) (mod factor Strutture)	14	PPLs specialized in homeulture dev.	(10.)	PPS(11)/PPL(232)	S.	_		podzolic and Luthosol
growing famera (Kolomoa Tau, KUD, act.) (in) (1:) Available contract events (ind) Development land for the Target Print Growing (ind) 5KI Unit (14) Development land for the Target Print Growing (ind) 4500 Development land for the Target Print Growing (ind) 4500 Development land for the Target Print Growing (ind) 4500 Development land for the Target Print Growing (ind) 4500 Development land for the Target Print Growing (ind) 5500 Development land for the Target Print Growing (ind) 5500 Development land for the Target Print Growing (ind) 5500 Development land for the Target Print Growing (ind) 5500 Development land for the Target Print Growing (ind) 5500 Development land for the Target Print Growing (ind) 5500 Development land for the Target Print Growing (ind) 5500 Development land for the Target Print Growing (ind) (ind) Development land for the Target for t	1	cleus institution for grouping fruit	(kind/no.)	Kelompok Tanı (2.353) / KUD (90)	I.	(Present Market Situation)		
1:3 Ansinghe credit serveres for funct proving (and no.) BRI Unit (14) (10 w) Development Plan for the Target Print Crowing (and no.) (bit (14) (bit (14) (c)	Prowing farmer	s (Kelombok Tani, KUD, etc.)					(10.)	\$
Development Plan for the Target Vruit Growing Low Source - strong Source - strong Source - strong Generation Generation <thcond< th=""> <th< td=""><td>i i</td><td>services for fruit growing</td><td>(kind/no.)</td><td>BRI Unit (14)</td><td>ľ</td><td></td><td>(flow)</td><td>Farmers - Collectors - Cittes</td></th<></thcond<>	i i	services for fruit growing	(kind/no.)	BRI Unit (14)	ľ		(flow)	Farmers - Collectors - Cittes
2) Target (prometry) fruit (ind) Static Static Static Static Static (ind) (i		the Tarset Fruit Growing			Ē			
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	_	tinut.	(kind)	Salak	Г		(destination	Modan, Bekasi and/or Jakana
(1) Nonr term (up to 3003) (ha) 1.500 (ha) 1.500 (state) (2) Medium term (2004-2005) (ha) 1.500 (ha) 1.500 (ha)	L	art are	(P4)	4500	ſ	districts, provinces, towns, cities & export)		
(i) Medium nem (2004-2004) (ha) 1:500 Murdening Prompetime (10w) (i) Long term (2004-2014) (ha) 1:500 550 Marking Prompetime (10w) 2.1 Target production in short-term action porgram (na) 1:000 550 Marking production in short-term action porgram (10w) 2.3 Target production in short-term action porgram (no) 1:000 550 Marking production in short-term action porgram (10w) 2.4 Target production in short-term action porgram (no) 1:000 550 Marking target (district - production in the state i	(1) Short rec	m (un to 2003)	(P P)	. 500	T	L	(state)	Fresh
(3) Long.term (2009-2018) (ha) 1500 55 Marketing channel (farmers - collector/ middlenan - (flow) 2.3. Tager production in blort-term action popram (ion) 10000 (ion) 10000 2.4. Tager production in blort-term action popram (ion) 10000 (ion) 10000 2.5. Tager production in blort-term action popram (ion) 10000 (ianger) (ianger) 2.5. Plant(s) recommended to be inter-croped (ind) Secondary crops (ianger) (ianger) (ianger) 2.6. Plant(s) recommended to be inter-croped (ind) 2.9 Non of villages concends (ind) (ianger) 2.6. Planton of the Site (no.) 7 Non of villages concends (ind) (ianger) 2.6. Planton of the Site (no.) 7 Non of villages concends (ind) (ind) 2.6. Datator of the target fruit (ind) (ind) (ind) (ind) 2.7. No of villages concended class (1) (km) 20 (ind) (ind) 3.1. No of villages concended (ind) (ind) <td>William C/</td> <td>1000 - 2008)</td> <td>(PA)</td> <td>1500</td> <td>ŕ</td> <td>(Murketing Prospective)</td> <td></td> <td></td>	William C/	1000 - 2008)	(PA)	1500	ŕ	(Murketing Prospective)		
2-3. Target production in hion-term action program (1on) 10500 1000000000000000000000000000000000000	•	m (2009-2018)	(44)	1500	T	5-5 Marketing channel (farmers - collector/ middleman -		Farmers - Farmers' Groups - Collectors' Wholesalet
2-4 Target productivity per hectare (100) 7 (100) 7 (100) 1 (100) 1 (100) 1 (100) 1 (100) <td< td=""><td>2.1 Tarnet words</td><td>to to short tech action potentin</td><td>(1001)</td><td>10500</td><td>Г</td><td>towns - cities - export)</td><td></td><td>Towns/ Cities - Exports</td></td<>	2.1 Tarnet words	to to short tech action potentin	(1001)	10500	Г	towns - cities - export)		Towns/ Cities - Exports
2-5 Varety recommended (varety / tecommended (varety / tecom (varety / teco (varety		wry ner hertane	(100)	<u> </u>	T	I.	(1312CES)	Medan and Exports
2-6 Plant(s) recommended to be inter-cropped (kind) Secondary crops 6. Post-harvest Handling Secondary crops	1		I Vanery)	Padane Sidemtijan	Г	5-7 Form of future market demand (fresh - processed)	(state)	Fresh
Seciencement Condition of the Site (no. 0) 23(4) (Present Processing facilities) 3-1 No. of candidate participant farmers (no.) 23(4) (no.) (no.) (no.) 3-2 No. of candidate participant farmers (no.) 23(4) (no.) (no.) (no.) 3-2 No. of candidate participant farmers (no.) 23(4) (no.) (no.) (no.) 3-2 No. of candidate participant farmers (no.) 20 (no.) (no.) (no.) 3-3 No. of candidate participant farmers (no.) 20 (no.) (no.) (no.) 3-4 Distance to the Nubdistrict capital (no.) 5 (no.) (no.) (no.) 3-5 Distance to the Nubdistrict capital (n.) 5 (no.) (no.) (no.) 3-5 Distance to the Nubdistrict capital (n.) 5 (no.) (no.) (no.) 3-6 Road class of the road to Subdistrict capital (no.) (no.) (no.) (no.) 3-6 Road class of the road to Subdistrict capital (no.) (no.) (no.) (no.) 3-7 Distance to the nearest acapord and tore point. (no.) (no.)		vended to be inter-cropped	(kind)	Necondary crops	é -	⊢		
3-1 No. of cardidate participant farmers (mo) 7 (No (-) Existing processing facilities of the target fruit (type) 3-2 No. of vultages concerned (mo) 7 (mo) 7 (kind) 3-2 No. of vultages concerned (mo) 7 (kind) (kind) 3-3 Distance to the Provinsic stoptical (and flast 1) (m) 230 (kind) (kind) 3-4 Distance to the Provinsi capital (Road class 1) (km) 5 (finitancement Planning) (kind) 3-5 Distance to the Subdistrict capital (Road class 1) (km) 5 (finitancement Planning) (kind) 3-5 Distance to the Subdistrict capital (Road class 1) (km) 5 (finitancement Planning) (kind) 3-6 Road class of the road to Subdistrict capital (1,1,8,11) (rian) 5 (finitancement Planning) (kind) 3-6 Road class of the road to Subdistrict capital (1,1,8,11) (rian) 5 (finitancement Planning) 3-7 Read class of the road to Subdistrict capital (1,1,8,11) (kind) (kind) 3-7 Read class of the road to Subdistrict capital (1,1,8,11) (kind) (kind) 3-8 Existing material posticity is (mo) (kind) (kind)	Į	tion of the Site			ľ-	(Present Processing Fucilities)		
No. of viliages concerned (mo.) 7 6.2 Processed products. (kud) Distance to the Provincial capital (Road class 1) (km) 20 20 (drving, caming, botting, processed products, etc.) (kud) Distance to the Distance capital (Road class 1) (km) 30 (drving, caming, botting, processed products, etc.) (kud) Distance to the Subdistrict capital (Road class 1) (km) 30 (drving, caming, botting, processing facility (ton / day) Road class of the road to Subdistrict capital (11, kul) (km) 30 (drving, caming, botting, processing, pactaging, etc.) (kud) Road class of the road to Subdistrict capital (11, kul) (km) 10 (drving, caming, botting, processing, pactaging, etc.) (kind) Road condition of the road to Subdistrict capital (11, kul) (km) 10 (drving, caming, botting, processing, pactaging, etc.) (kind) Bisance to the nearest export arrow (km) 10 (frame, sorting, grading, processing, pactaging, etc.) (kind) Disance to the neart (well, sping, niver, etc.) (kind) (frame, sorting, grading, processing, pactaging, etc.) (kind) Disance to the neart (well, sping, niver, etc.) (kind) (frame, sorting, grading, frame, fram) (kind) Disan		e participant farmers	(00)	23.40	l		(inpe)	No
Distance to the Provincial capital (Kond class 1) (Km) 2k0 (drying, caming, borting, processed products, cic.) Distance to the District capital (Kond class 1) (Km) 30 6-3 Capacity of the processing facility (Ton/ dav) Distance to the District capital (Kond class 1) (Km) 30 6-3 Capacity of the processing facility (Ton/ dav) Distance to the Subdistrict capital (Kond class 1) (Km) 5 6-3 Capacity of the processing facility (Kind) Road class 1) (Km) 30 6-3 Capacity of the processing facility (Kind) Road construct capital (Kind) (Km) 10 (Kind) (Kind) Road construct capital (Kind) 10 (Kind) (Kind) Source of drinking water (well, sping, river, etc.) (Kind) Song River (Kind) Source of drinking water (well, sping, river, etc.) (Kind) Song River (Kind) Source of drinking water (well, sping, river, etc.) (Kind) Song River (Kind)	3-2 No. of villages of	concerned	1 (10.)	۶	Ī		(kind)	
Distance to the District capital (Road class II) (Km) 30 6-3 Capacity of the processing facility (ton / day) Distance to the Subdistrict capital (Road class III) (Km) 5 (Enhancement Planning) (ton / day) Distance to the Subdistrict capital (I.11 & III) (Km) 5 (Enhancement Planning) (ton / day) Road class of the road		Provincial capital (Road class I)	((¥ m)	240	ŕ	(drying, canning, bottling, processed products, etc.)		
Distance to the Subdistrict capital (Road class fil) (Km) 5 (Enhancement Planning) Road class of the road to Subdistrict capital (Last) (Km) 6 Required post-harvest handing activities (kmd) Road class of the road to Subdistrict capital (Last) (Last) (Kmd) (kmd) Read construct capital (Last) (Last) (Kmd) (kmd) Read construct capital (Last) (Km) 10 Read construct capital (Kmn) 10 (Kmd) Distance continue Read construct capital (kmd) (kmd) Distance continue Read control (Kmd) (Kmd) Distance continue (Kml) Sping / River 1 Infrastructure and facilities (kind) Source of drinking water (well; sping, more, etc.) (kind) Sping / River in and around the project site (kind)		District capital (Road class II)	(km)	30		Capacity of the processing facility	(ton/day)	
Road class of the road to Subdistruct capital (1.11 & LII) (class) II e.4 Required post-harvest handling activities (kind) Road condution of the road to Subdistruct capital (material) Asphalt (stant) (kind) Road condution of the road to Subdistruct capital (kind) 10 (stant) (kind) Distance to the nearest scaport/ arror (kind) 10 Yes 57 Infrastructure and Pacifice (kind) Electrification (vis of no) Yes 7 Infrastructure and Pacifice (kind) Source of drinking water (well, spring, river, etc.) (kind) Spring/River 8-2 Possible water source for watering (kind)		Subdistrict capital (Road class [i])	(((k m)		Ē	(Enhancement Planning)		
Road condition of the road to Subdistrict capital (marenal) Asphalt (clearing, sorting, processing, procesing, processing,	1	e road to Subdistrict capital (1, 11 & 11))	1	IJI	Г		(kind)	Cleaning / Grading / Packaging
Distance to the nearest scaport/airport (kmd) Electrification (kind) Electrification (kind) Source of drnking water (well, sping, river, etc.) (kind) Source of drnking water (well, sping, river, etc.) (kind)	1	of the road to Subdistrict capital	i -	Asphalt	- 	(cleaning, sorting, grading, processing, packaging, cic.)		
7. Infrastructure and Facilities Source of drinking water (well, sping, river, etc.) (kind) Source of drinking water (well, sping, river, etc.) (kind) Source of drinking water (well, sping, river, etc.) (kind)	1	nearest seaport/ airport	(km)	10	[1 *
Source of drinking water (well, spring, river, etc.) (kind) Spring / River (kind) Source of drinking water (well, spring, river, etc.) (kind) Spring / River (kind) Source of drinking water (well, spring, river, etc.) (kind) Spring / River (kind)			(ves or no)	Yes	7.			
in and around the project site 8-2 Possible water source for watering (kind)		ing water (well, spring, river, etc.)	(kind)	Spring / River	Π		(kind)	N.
Possible water source for watering								
								Groundwater

Note : "Schimdt and Ferzuson Method Source : Provincial Agneultural Services Office and JICA Study Team

Table K-2 Profile of the Candidate Project Site for Orchard Development in West Java Province (1/6)

WJ(AV)+1 Avocado Bandung Target Fruit : District : Code:

$ \begin{array}{ $	No.	(Junt) Describaon		
1. Other and the analysis of the family interval of the angle function of the angle f	ł		Azne	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	1-1 Cultivated crops		1	
1. Arrenting class current of the maper function (m) (m) (m) (m) (m) 1. Arrenting class current of the maper function (m)	I.	ŀ		-
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		i -	1	
15 No of planet type frame (mo) 3000 400 1000 400 1000 <	F	i (vanetv) i		
1.5. Not of the intervention of the interventintervention of the intervention of the intervention of th				(wpc) [8]
16. Annuel serrenge frontion in Larking Annuel ((no) ((no) ((no) ((no) 18. Current isranger forces of the Future ((no) ((no) ((no) ((no) 10. Intervence of the Future ((no) ((no) ((no) ((no) 11. Presented is security for strengt is real and classes ((no) ((no) ((no) 11. Presented is security force ((no) ((no) ((no) ((no) 11. Presented is security force ((no) ((no) ((no) ((no) 11. Presented is security ((no) ((no) ((no) ((no) 12. Security ((no) ((no) ((no) ((no) 13. Security ((no) ((no) ((no) 14. Annotec ((no) ((no) ((no) 15. Security ((no) ((no) ((no) 14. Security ((no) ((no) <			(1) wet months	(no.&month) 1] (Aug-Jun)
1): Therese acound the upper limits in the internation of the upper limit in the in		(ton) 3		((no.&month) I (Jul)
P. Current immundate price of the function. (Exp (price) (Exp (pric)) (Exp (price)	Ľ			-†
10.1 Production inplacitor (nature & Orbination) (kud) Padev, Con and Casava (kud) Padev, Con and Casava (kud) (ku	Ł	(Kp / piece)	(1) wet months	
1.10. Discretion production (construction of construction of constructin of construction of constructin of construction of constructio		(kind)	(5)	-
11.1) Procuramental of coedings (coed, mineer, PRAS, efc.) (correct) PSA 4 / PFA (17) S Marketer Stanton) 11.2) No of prest and PTA (214) No of local markets within 50 in cricle from the site (no) (no) 20.2) Stantone of modelman intrimunity (framerics) (no) NUO (50) Kosk (19) S Present Market Stanton (no) 21.2) No of collar services for framerics (no) NUO (50) Kosk (19) S Present Market Stanton (no) 21.12) No of collar services for framerics (no) NUO (50) Kosk (19) S Present Market Stanton (no) 21.12) No of collar services for framerics (no) NUO (50) Kosk (19) S Present Market Stanton (no) 21.12) No of collar services for framerics (no) NUO (50) Kosk (19) S Present Market Stanton (no) 21.12) No of collar services for framerics (no) NUO (50) Kosk (19) S Market Stanton (no) 21.12) No of collar services for framerics (no) NUO (50) Kosk (19) S Market Stanton (no) 21.12) No of collar services (no) NUO (50) Kosk (19) No (no) (no) 21.12) No of collar services (no) NUO (50) Kosk (19) No (no) (no) 21.12) No of collar services (no) NUO (50) Kosk (19) No (no) (no) 22.13) No of collar servi		(kind)		
112 No. of PPSA and PML spectrum future for groups fram (no.) Kolompok Tan. (21/4) (Peremi Mutation for groups frame. (no.) (no		(source)		
1-1.1. Extenses of nucleus institution (or grouping frain (aind) (no.) 5.1. No. (1 local) 5.1. No. (1 local) (50w) 1-1.1. Fatterse ref nucleus institution (or grouping frain (aind) (no.) 5.1. No. (1 local) 5.1. No. (1 local) (50w) 1-1.1. Annual de credit services (reference) (aind) (no.) Normet - credit - creptor) (aind) (no.) (50w) Development Pain (rector) (aind) (no.) Normet - create - creptor) (aind) (no.) (bind) (bind) (bind) (bind) (bind) (bind) (c) (c) <td></td> <td>(10.)</td> <td>(Present Market Situation)</td> <td>-1</td>		(10.)	(Present Market Situation)	-1
growing farmers (Kclompok Tan. KUD, etc.) (37.2 Markening channel (farmers-collector) modifeman- (7.0w) D-14 Avnulable crotit services for fruit growing: (and 'no.) BRI Unit (42) (5.2 Markening channel (farmers-collector) (deenhanton) D-14 Avnulable crotit services for fruit growing: (and 'no.) BRI Unit (42) (and 'no.) BRI Unit (42) (fan) (and 'no.) BRI Unit (42) (fan)		· (kind/ no.)		-
1-1.4 Anulable credit services for fruit growing (and mode) BRI (Juit (42)) (bota) (bota)<	growing farmers (Kelompok Tan, KUD, etc.)			-1
Development Plan for the Target Pruit Growing (ind) (3) Present demanon of the cross (ross) (definition) 2:1 Target (promer) finat (ind) (ind) (ind) (definition) (definition) 2:1 Target (promer) finat (ind) (ind) (ind) (definition) (definition) 2:1 Stort term (up to 2001) (ind) (ind) (ind) (definition) (definition) (definition) 2:1 Montherm (up to 2001) (ind) (ind) (for) (definition) (for) (for) 2:1 Jarget production in short-erm action program (ind) (for) (for) (for) (for) 2:1 Target production in short-erm action program (ind) (for) (for) (for) (for) 2:1 Target production in short-erm action (ind) (for) (for) (for) (for) (for) 2:1 Target production in short-erm (ind) (for) (for) (for) (for) (for) 2:1 Target production<	1	(kind/no.) BRI Unit (42)	towns - cities - export)	
2) Target (priority) fruit (und) Avecado districts, grownee, freems, coord, constructions, coord, constructions, coord, constructions, coord, constructions, constructions, coord, constructions, constructions	-			(destination) Bandung, Jakarta
2:2. Development land area (n) 100 5:4 Markened products (fresh - processed) (atarc) (1) Short term (Up to 2003) (n) (n) 50 (n) (n) (2) Markening Pronotective) (n) 50 (n) (n) (n) (3) Long term (2005-2018) (n) (n) 50 (n) (n) (3) Long term (2005-2018) (n) (n) 50 (n) (n) (3) Long term (2005-2018) (n) (n) 50 (n) (n) (3) Long term (2005-2018) (n) (n) 50 (n) (n) (3) Long term matched (atarred) (n) 26 Markenig upset (atarred) (n) (3) Long term matched (atarred) (n) 26 Prostend (n) (n) (3) Long term matched (atarred) (n) 27 Prostend (atarcd) (atarcd) (3) Long term matched (atarred) (n) 26 Prostend (n) (n) (4) Prostend (n) 26 Prostend (n) (n) (4) Prostend (n) 27 Prostend (n) (n) (4)		-	districts, provinces, towns, cities & export)	-1
(1) Mone term (up to 2001) (In) (0) (1) Mone term (up to 2001) (In) (0) (2) Medium rem (COM-2008) (In) (In) (0) (1) <t< td=""><td>Develo</td><td></td><td>5-4 Form of marketed products (fresh - processed)</td><td>1</td></t<>	Develo		5-4 Form of marketed products (fresh - processed)	1
(2) Medium rem. (2004-2008) (ha) 600 5-5 Markening channel (famers - collector/ muddeman - (flow)) (3) Long term (2004-2018) (ha) 600 (iv) (iv) (ival) (3) Long term (2004-2018) (ha) 600 (ival) 250 (ival)	e		(Marketing Prospective)	- 1
(3) Long term (2009-2018) (ha) 500 (connection a short-term action program (non) 2500 (connection a short-term action program (uarter) (state) (state) 2.3 Target production in short-term action program (ton) 2500 5.4 Markeng target (dam)(fresh) - processed) (state) 2.3 Target production in short-term action program (ton) 2500 5.4 Parter Processed) (state) (state) 2.4 Target production in short-term action program (ton) 2500 5.4 Parter Processed) (state) (state) 2.5 Plant(s) recommended to be inter-cropped (ton) 2.4 Pacidy and Com (ton) (ton) (state) (state) (state) (state) 2.6 Plant(s) recommended to be inter-cropped (ton) 2.4 Distribution (ton) (state)	L	F		
2.3. Target production in short-term action program (ton) 2.60 5.6 Markening target (district, province, city and/or export) (target) 2.4. Target production in short-term action program (ton) 5 Form of divine market demand (fresh - processed) (target) 2.5. Variety versionmended (ton) 5 Provemended (target) (target) 2.5. Variety versionmended (ton) 5 Provemended (target) (target) 2.5. Variety versionmended (ton) 5 Provemended (target) (target) 2.5. Variety versionmended (target) Pady and Com (target) (target) (target) 2.5. Variety versionmended (ton) 204 Existing processing facilitient) (target) (target) 3.1 No. of candition of the Site (no.) 204 Existing processing facilitient) (ton) (ton) 3.1 No. of candition of the road of signal (Road class II) (km) 10 0 0 (target) (ton) 3.2 No of transfer of the Experiment Planung) (hmd) 0 0 (fan) (ton) (ton) 3.3 No of transfer of the Experiment Planung) (hmd) 0 0 (fan) (ton) (ton) 3.4 Note expending theoree (aptial (Road class		-	towns - cthes - export)	
2.4 Target productivity yer hetene (10n) 5 5.7 Form of future market demand (fresh - processed) (state) 2.5 Vantety recommended (vantety) [lob Bundar 4 Perturent Princemarket demand (fresh - processed) (state) 2.5 Vantety recommended (vantety) [lob Bundar 4 Perturent Princemarket demand (fresh - processed) (state) 2.6 Plant(s) recommended (kmod) Paddy and Com 4 Perturent Princemarket demand (fresh - processed) (state) 2.6 Plant(s) recommended (kmod) Paddy and Com (ryre) (ryre) 2.6 Plant(s) recommended (kmod) 2.41 (ryre) (ryre) 2.5 No of village softened (kmod) 2.41 (ryre) (ryre) 3.1 No of villages concerned (no.) 3 0 (dryms, conting, processing facilitier) (nod) 3.2 No of villages concerned (no.) 3 0 (dryms, conting, processing facilitier) (nor) 3.4 Distance conthe District capital (Road class 11) (km) 10 (dryms, conting, processing facilitier) (nor)		~		(Largetts)
2-5 Variety recommended (variety) (name/s) (variety) (name/s) (variety) (name/s) (variety) (name/s) (variety) (vari	12	(ton) 5		-1
2.6 Plant(s) recommended to be inter-cropped (kind) Paddy and Com (kind) Paddy and Com 2.6 Plant(s) recommended to be inter-cropped (kind) Paddy and Com (kind) (Yresen Processing facilities) (Yresen Processing facilities) (Kind) 3.1 No. of candidate structs (no.) 3 (no.) 3 (kind) (kind) 3.2 No. of valuages concerned (no.) 3 (mo.) 3 (kind) (kind) 3.3 Distance to the Provincial capital (Road class II) (km) 20 (drymg, caning, botting, processing facility) (fon) (drymg) 3.4 Distance to the District capital (Road class II) (km) 20 (drymg, caning, botting, processing, procesing, processing, processing,	2-5 -Varrety recommended	ł		
Sector-economic Condition of the Site (no.) 2941 3-1 No. of candidate participant farmers (no.) 2941 3-2 No. of candidate participant farmers (no.) 3 3-2 No. of candidate participant farmers (no.) 3 3-2 No. of candidate participant farmers (no.) 3 3-3 No. of candidate participant farmers (no.) 3 3-5 No. of candidate participant farmers (no.) 3 3-5 No. of candidate participant farmers (no.) 3 3-5 No. of candidate participant farmers (no.) 3 3-4 Distance to the Distruct capital (Road class II) (km) 10 3-5 Distance to the Distruct capital (Road class II) (km) 10 3-6 Road class of the road to Subdistruct capital (lit.d. III) (km) 3-5 Distance to the road to Subdistruct capital (km) 10 3-6 Road class of the road to Subdistruct capital (km) 10 3-7 Name contine of the road to Subdistruct capital (km) 10 3-8 Distance to the notatest scolord values (kmd) (kmd) 3-9 Elemine units (km) 10 (kmd)		H	(Prevent Processing Facilities)	1
nets (no.) 2941 0-2 Processed products (no.) 3 (no.) 3 (no.) 3 (atyme, camma, botting, processed product, etc.) (no.) (no.) 3 (atyme, camma, botting, processed product, etc.) (no.) (atyme, camma, botting, processed product, etc.) (no.) (no.) 30 (fail attring) (fail attring) (fail attring) (no.) Road class [1]) (km) 20 6-4 Required post-harvest handling activities (knd.) Rot capital (fail attring) Road class [1]) (km) 10 (fail attring) (fail attring) (fail attring) Road class [1]) (km) 10 (fail attring) (fail attring) (fail attring) Road class [1]) (km) 10 (fail attring) (fail attring) (fail attring) Road class [1]) (km) 10 (fail attring) (fail attring) (fail attring) Road class [1]) (km)	1 SOCA			
No. of villages concerned (aryung, cammag, botting, processed product, etc.) (aryung, cam, aryung, cam,	3-1 No. of candidate participant farmers			(kind) -
Distance to the Provincial capital (Road class 1) (km) 30 6-3 Capacity of the processing facturity (fon/day) Distance to the District capital (Road class 1) (km) 20 6-3 Capacity of the processing facturity (fon/day) Distance to the District capital (Road class 11) (km) 20 6-4 Capacity of the processing facturity (fon/day) Distance to the Osteriat capital (Road class 11) (km) 10 6-5 Experime Planning activities (kmd) Road constront of the road to Subdistrict capital (fil & III) (last) 6-5 Expecting processed products (kmd) Distance to the nearest scaperif angor (km) 130 Yes 1 Infrastructure and Pacificies (kmd) Distance to the nearest scaperif angor (km) Soing 7. Infrastructure and Pacificies (kmd) Source of dnnking water (well, spring, river, etc.) (kmd) Spring No No (kmd)		(no,) 3		
Distance for the District capital (Road class 11) (km) 20 (Endurement Planning) Distance for the Obstruct capital (Road class 11) (km) 10 -4 Required post-harvest handling activities (kmd) Distance for the Subdistrict capital (Road class 11) (km) 10 -4 Required post-harvest handling activities (kmd) Distance for the road (Subdistrict capital (Lit & HI) (km) 10 -5 Executing processed products (kmd) Distance to the nearest scapord alryport (km) 30 7. Infrastructure and Pacifities (kmd) Distance to the nearest scapord alryport (kmd) 50 mg 7. Infrastructure and Pacifities (kmd) Source of drnking water (well, spring, river, etc.) (kmd) Spring 5. Possible water source for watering (kmd)	i i		6-3 Capacity of the processing facility	(ton / day) •
Distance to the Subdistrict capital (Road class III) (km) 10 0.4 Required post-harvest handling activities (bind) Road class of the road to Subdistrict capital (1, II, & III) (class) 1 (cleaning, corting, grading, processing, packaging, etc.) (bind) Road condition of the road to Subdistrict capital (km) 130 0.5 Expecting processed products (kmd) Distance to the road to Subdistrict capital (km) 130 5.1 Expecting processed products (kmd) Distance to the road to Subdistrict capital (km) 130 5.1 Externing processed products (kmd) Distance to the roatest verbord airport (km) 130 7. Infrastructure and Facilities for upland crops/fruits (kmd) Source of dinking water (well, spring, river, etc.) (kind) 8.2 Possible water source for watering (kind)	1		(Enhuncement Planning)	
Road class of the road to Subdistrict capital (1, II. & 111) (class) 1 (classing, sorting, grading, processing, packaging, etc.) Road condition of the road to Subdistrict capital (material) Hormix 0-5 Expecting processed products (kind) Distance to the road to Subdistrict capital (km) 130 2 1.0 1.1 (kind) Distance to the road to Subdistrict capital (km) 1.30 7. Externed and Pacifities (kind) Distance to the nearest reaport/airport (km d) 1.30 7. Externed and Pacifities (kind) Source of dinking water (well, spring, river, etc.) (kind) Spring M-2 Possible water source for watering (kind)	Ŀ.,			(kind)
Road condition of the road to Subdistrict capital (material) Motuxt (and) Distance to the rearest scapord airport (km) [30 Distance to the rearest scapord airport (km) [30 Electrification *-1 Existing impaion facilities (kind) Source of dinking water (well, spring, river, etc.) (kind) \$2 Possible water source for watering (kind)			(cleaning, sorting, grading, processing, packaging, etc.)	
Distance to the nearest scaperd airport (km.) 130 7. Infrastructure and Pacifities Electrification (west or no) Yest Name (kind) Source of dnnking water (well, spring, river. etc.) (kind) Spring Name		I	 6-5 Expecting processed products 	
Electrification (yes or no) Yes Yes (wind) Source of drinking water (well, spring, river, etc.) (kind) Spring N-2 Possible water source for watering (kind)		(km) 130		
Source of dnhung water (well, spring, river, etc.) (kind) Spring 8-2 Possible water source for watering (kind)		(yes or no) Yes		
k-2 Possible water source for watering (kind)			in and around the project site	i
		ł-		

Note : *Schindt and Perguson Method Source : Provincial Agricultural Services Office and JICA Study Tram

Table K-2 Profile of the Candidate Project Site for Orchard Development in West Java Province (2/6)

Code : WJ(DK)-1 Target Fruit : Duku District : Ciamis

1. Present Parm Management & Stedling Production (kind) 1-1 Cultivated trops (kind) 1-2 Average fullyholiologi size of the target fruit trees (ha) 1-3 Average cultivated varieties of the target fruit trees (ha) 1-4 No. of planted target fruit trees (ha) 1-5 No. of planted target fruit trees (no.) 1-6 Annual average proteotion in last five years (no.) 1-7 Hannal average proteotion in last five years (no.) 1-8 Annual average proteotion in last five years (no.) 1-9 Annual average prote of the truet from the more target fruit (no.) 1-9 Production in last five years (no.) 1-9 Production of the target fruit (no.) 1-9 Production of the truet (knd) 1-10 Intercepting blange (seed) austry of no.) (knd) 1-11 Intercepting planter (no.) 1-12 No. of PPSs and PPL sportation for grouping fruit (no.) 1-13 Existence of nucleus institution for grouping fruit (no.) </th <th>) Coconut 0 0. 0 1. 0 1. 0 1. 1.5526 0 1.55266 0 1.55266 0 1.55266 0 1.55266 0 2.5521 0 2.5521</th> <th>itimate puration of the site; on) of wet and dry months)*</th> <th>(100 - Rolling (72) 15-40 (72) 15-40 (72) 300 - 350 (70) 3.076 (700) 3.076 (700 - 82 (700 & May)</th>) Coconut 0 0. 0 1. 0 1. 0 1. 1.5526 0 1.55266 0 1.55266 0 1.55266 0 1.55266 0 2.5521 0 2.5521	itimate puration of the site; on) of wet and dry months)*	(100 - Rolling (72) 15-40 (72) 15-40 (72) 300 - 350 (70) 3.076 (700) 3.076 (700 - 82 (700 & May)
 1-1 Cultivated trops 1-2 Average landholding size of the fam-household 1-3 Average landholding size of the target four trees 1-4 Prevailing cultivation area of the target four trees 1-5 No. of planted target four trees 1-6 Annual average production in fast free years 1-7 Harvest asson of the target fruit 1-8 Current farmgate price of the fruit 1-9 Production input unlization (manure & chemicals) 1-10 Intercorphysic global(s) 1-10 Procument of seedings (seed, nursery, PRAS, etc.) 1-12 No. of PPSs and PPLs specialized in homeulture dev. 1-3 Existence of nucleus institution for grouping fruit 	Coconut 0.3 (0.3) Local Kertaharja 15526 2521 2521 2521 2521 2521 2521 15526 2521 15556 2521 15556 2521 15556 2521 15556 2521 15556 2521 15556 2521 2521	 4-1 Topography (configuration of the site) 4-2 Slope 4-3 Alande (or elevation) 4-4 Annual raunals 4-5 Annual raunals 4-5 Annual raunals (1) wet months (2) dry months (3) dry months (4-5 Groundwater depth (1) wet months (2) dry months (3) dry months (4-5 Soil crype Marketing 	
Average landbolding size of the farm-household Average cultivation area of the target fout free Provaling coltivated varieties of the arget fout trees No. of planed target frout cress. Minimal average production in fast fire years Harvest season of the target frout Current farmgate production in fast fire years fronting a very production in fast fire years Production input unitization (manure & chemicals) intercepting plant(s) No. of PPIs, and PPLs specialized in homeuture dev. Existence of nucleus institution for grouping fruit	0.3 0.1 15256 15256 2521 2526 2521 2526 2526 2	4.2 Slope 4.3 Alarude (or elevation) 4.4 Annual ranfail 4.5 Alarude (or elevation) 4.5 Annual ranfail 4.5 Chroud ranfail (1) wet months (2) dry months (1) wet months (2) dry months (3) dry months 4.5 Chroudwater depth (1) wet months 2.0 dry months 4.5 Soil type 4.7 Soil type Marketing	
Average cultivation area of the target four tree prevaling cultivated varieties of the target fout trees No. of planed torget fout uses Anal average production in last (ive years Anala average production in last funct Current farmgate priot of the front Production input unitization (manure & chemicalls) inforcement of seedings (seed, nursery, PRAS, etc.) No. of PPIs, and PPL, specialized in homeuture dev. Existence of nucleus institution for grouping fruit.	0.1 Local, Kertaharja 155266 15526 25521 25521 25521 1500-3.000 1500-5.0000 1500-5.0000 1500-5.0000 1500-5.0000 1500-5.0000 1500-5.0000 1500-5.0000 1500-5.0000 1500-5.0000 1500-5.0000 1500-5.0000 1500-5.0000 1500-5.0000 1500-5.0000 1500-5.0000 1500-5.0000 1500-5.00000 1500-5.00000 1500-5.00000 1500-5.00000 1500-5.000000 1500-5.00000000 1500-5.000000000000000000000000000000000	 4.3 Alititude (or elevation) 4.4 Annual rainfai) 4.5 Annual rainfai) 4.5 Annual rainfais (1) with months (2) dry months (1) wet months (1) wet months (2) dry months (3) dry months (4.7 Sol type (4.7 Sol type (4.7 Sol type 	
Prevaling cultivated varieties of the maget thut trees No. of planted target finit uces. Annual average production in last five years Annual average price of the fruit Current farmgate price of the fruit Production input unlization (manure & chemicals) Incorrenting (seed, tursery. PRAS, etc.) No. of PPS, and PPL, specialized in homeulture dev. Existence of nucleus institution for grouping fruit	Local, Kerraherja 155266 2521 2521 1.500-3.0000 1.500-3.0000 1.500-3.0000 1.500-3.0000 1.500-3.0000 1.500-3.0000 1.500-3.0000 1.500-3.0000 1.500-3.0000 1.500-3.00000 1.500-3.00000 1.500-3.00000 1.5000000000000000000000000000000	4.4 Annual rauria) 4.5 Chinate rype (No. of wet and dry months) 4.5 Chinate rype (No. of wet and dry months) 4.6 Chroundwater depth (1) wet months 4.7 Sol type Marketing	
No. of planted target fruit uces. Annual average production in last (ire years. Harvest coason of the target fruit. Current famgate price of the fruit. Froutenton input unization (manure & chemicals) inforcerophing plant(s). Procurement of seedings (seed, nursery. PRAN. etc.) No. of PPNs and PPLs specialized in horieuture dev. Existence of nucleus institution for grouping fruit.	1:5526 2:2521 2:2521 2:2521 1:530 - 3:000 1:530 - 3:000 1:530 - 3:000 Coconut Nursey Nursey Kalompok Tani (2:45: KuD (37) BRI Unit (52)	4.5 Climate type (No. of wet and dry months)* (1) wet months (2) dry months 4.6 (noundwater depth (2) dry months (2) dry months 4.7 Soil type Marketing	
Annual average production in last five years Harvest season of the larget ituit Current lamgate price of the fruit Production input initization (manure & chemicals) Procument of seedinge (seed, nursery, PRAS, etc.) No. of PSAs and PPLs specialized in homeuture dev. Existence of nucleus institution for grouping fruit	2.521 	 (i) wet months (2) dry months (2) dry months (3) wet months (3) dry months (3) dry months (47) Soli type Marketing 	
Harvest season of the larget fluit Unrent farmgate proce of the fruit Production input unitization (manure & chemicals) intercepting plant(s) Procurement of seedings (seed, nurscry, PRAS, etc.) No. of PPS, and PPLs specialized in homeuture dev. Existence of nucleus institution for grouping fruit.	2 1.500 - 3.000 - Nursery PPS (7 J / PPL (181) PPS (7 J / PPL (181) Relomped Tani (2.4% KUD (37) BRI Unit (52)	 (2) dry months 4-6 Croundwater depth (1) wet months (1) wet months 4-7 Soil type Marketing 	
Current farmgate price of the front Production input unilization (manure & chemicals) Intercention of seedlings (seed, nursery, PRAS, etc.) No. of PPS, and PPL, specialized in homeulture dev Existence of nucleus institution for grouping fruit.	1.500 - 3.000 Sconut Wesery PPS (7 / / PPL (181) PPS (7 / / PPL (181) Relompek Tani (2.4% KUD (37) BRI Unit (52)	44 44 6 Marke	(no.&month) 2 (Aug-Sep)
Production input unlization (manure & chemicals) Inter-cropping plant(s) Procurement of seedlings (seed, nursery, PRAS, etc.) No. of PPSs and PPLs specialized in homeulture dev. Existence of nucleus institution for grouping fruit	- Coconut Nurser(7)/PPL(181) PPS(7)/PPL(181) Kelompek Tani (2,455 KUD (37) BRI Unit (52)		
Inter-cropping plant(s) Procurement of seedlings (seed, nursery, PRAS, etc.) No. of PPS,s and PPLs specialized in horisulture dev Existence of nucleus institution for grouping fruit	Coconut Nursery PPS (7) / PPL (181) Relompok Tani (2,43) KUD (37) BRI Unit (52)		(m) 4+5
Procurement of seedlings (seed, nursery, PRAS, etc.) No. of PPAs and PPLs specialized in horiculture dev. Existence of nucleus institution for grouping fruit	Nursery PPS (7)/PPL (181) Kelompok Tani (2.45 KUD (37) BRI Unit (52)		(m) 10-12
No. of PPSs and PPLs specialized in homeuture dev. Existence of nucleus institution for grouping fruit	PPS (7) / PPL (181) Kelompok Tani (2,45; KUD (37) BRI Unit (52)	t	(rype) Latosol
Existence of nucleus institution for grouping fruit	Kelompok Tani (2,45; KUD (37) BRI Unit (52)	-	
		(Present Market Situation)	
	++-	5-1 No. of local markets within 50 km circle from the site	(no.) 12
1_14 Available motify convices for fruit prowing	+-	5-2 Marketing channel (farmers - collector/ middleman -	(flow) Farmers - Collectors • Towns/ Cittes
concert Plus for the Taront Print Criticia	-	towns - cities - export)	
	Duku	5-3 Present destination of the crops (local, subdistricts,	(destination) Local, Bandung
Participation (and case		districts, provinces, towns, cities & export)	
	T	6.4 Form of marketed products (fresh - processed)	(state) Fresh
Short term (up to 2003)	t	13	
	1	Congression & Frances (formare - and broad much barrant	/ flow) Harmore - Farmers' Cataline - Collectors' Wholesalers
(3) Long term (2009-2018) (ha)	-	E	T
2-3 Target production in short-term action program (ton)) 250	- 1	
2-4 Target productivity per hectare		5-6 Markeing target (district, province, city and/or export)	7
í		5-7 Form of future market demand (fresh - processed)	i (state) i Fresh
2-6 Plant(s) recommended to be inter-cropped (kind)	.) Secondary crops	6. Post-harvest Handling.	
3. Socio-economic Condition of the Site		(Present Processing Facilities)	1
3-1 No. of candidate participant farmers) 2083	6-1 Existing processing facilities of the target fruit	1 (Mpe) No
3-2 No. of villages concerned	11(6-2 Processed products	+ (kind) -
	t	(drying, canning, bottling, processed products, etc.)	
3.4 Distance to the District capital (Road class II) (km)) 130	6-3 Capacity of the processing facility	(ton/dav) -
E .	1 10	(Enlancement Planning)	
Road class of the road to Subdistrict capital (1, 11 & 111) (-	6-4 Required post-harvest handling activities	(kind) Cleaning / Sorting / Grading / Packing
	al) Hotmix	(cleaning, sorting, grading, processing, packaging, etc.)	
Distance to the nearest scapory airport	1	6-5 Expecting processed products	(kind) Canned fruit
1	ao) Yes	7. Infrastructure and Facilities	
king water (well, spring, river, etc.)	() Well	8-1 Existing imparion facilities for upland crops/ fruits	(kind) Nil
		in and around the project site	
		8-2 Possible water source for watering	(kind) Spring

Note : "Schimdt and Ferguson Method Source : Provincial Agincultural Services Office and JICA Study Team

Table K-2 Profile of the Candidate Project Site for Orchard Development in West Java Province (3/6)

Code : WJ(DR)-J Target Fruit : Durian Distriet : Bogor

1.4.4. 1.4.4.	i (Thit) Description	No. Item	(Unit) Description
_		A Aser contract Agencitmate	
1. Present Farm Management & Seedling Production	1	<u></u>]	(none) i Ratino ta hilly
1 1-1 Cultivated crops	(kind) Paddy, Banana and Secondary crops	1	
1.2 Average landholding size of the farm-household	(ha) 0.3	- 1	
	(ha) [0.]	4-3 Altitude (or elevanon)	
	I variety) Local, Sitokong, Kani, Otong, Matahari	4-4 Annual rainfall	(mm) 2.306
1	Hen Baker Simula	4-5 Climate type (No. of wet and dry months)	(type) A2
	130 697	I.	(no.&month) 11 (Aut-Jun)
1-6 Annual average production in last five years	_	E	tes fraction of the second
1-7 Harvest season of the target fruit	(months) 10,163	sumout Alb (7)	
1-X Current farmgate price of the fruit	(Rp/ piece) 5	4-6 Groundwater depth	1
	()kind) 4000	(1) wet months	(m) 110
	(kind) -	(2) dry months	(m) 15
	I / course / Daddy Banada Caseava	4-7 Soul type	(Type) Yellow Red Podzolic. Grumosol.
1.1 Procurement of seconings (secon numery, r.K.S.), cit.		13	I Andosol, Latosol and Alluvial
		Ľ	
1-13 Existence of nucleus institution for grouping fluit		I F TENETI MUTKEL MUULIMMI	0
prowing farmers (Kelompok Tani, KUD, etc.)	-		
1-14 Available credit services for fruit growing	(kind/ no.) KUD (47)	5-2 Marketing channel (farmers - collector/ middleman -	(10W) Farmers - Louectors - LOWES LIDES
2. Development Plan for the Target Fruit Growing	BRI Unit (32) / BPR (43) / Others (18)	towns - cities - export)	
		5-3 Present destination of the crops (local, subdistricts,	(destination) Local, Bogor
2-7 Development land area	(ha) Dunan	districts, provinces, towns, cities & export)	
	t	5-4 Form of marketed products (fresh - processed)	(state) Fresh
	t	(Misserine Perspective)	
	t	5.5 Warkening channel (farmers - collector/ middleman -	(flow) I Farmers - Farmers' Groups - Collectors' Wholesalers -
	Ť	L.	1 Cities/Exnorts
2-3 Target production in short-term action program	1		t
2-4 Target productivity per hectare	(ton) 4,600		ŀ
2-5 Vanety recommended	(vanety) 9.2	5-7 Form of future market demand (fresh - processed)	
2-6 Plant(s) recommended to be inter-cropped	(kind) Matahari, Hepi, Otong	6. Post-harvest Handling	
	Banana and Com	(Present Processing Fucilities)	-1
3. Socio-economic Condition of the Site		6-1 Existing processing facilities of the target fruit	(type) I No
- L	(no.) / 2631	6-2 Processed products	(kind) -
3-2 No. of villages concerned	(no.) (3	i (drying, canning, bortling, processed products, etc.)	
	(km) 180	6-3 Capacity of the processing facility	(ton/dav) -
10	(km) 30	(Enhuncement Plunning)	
1.5 Distance to the Subdistrict canital (Road class [1])	(km) 10	6-4 Required post-harvest handling activities	(kind) Packaging
	(class)	(cleaning, sorting, grading, processing, packaging, etc.)	
	Ľ	6-5 Expecting processed products	(kind) Fresh fruit
	.	7. Infrastructure and Facilities	
	(ves or no) Yes	8-1 Existing impation facilities for upland crops/ fruits	(kind) Ni
			-1
		8-2 Possible water source for watering	(kind) Spring
Vote - attachment transmore Marked			

Note : "Schimdt and Ferguson Method Source : Provincial Agricultural Services Office and JICA Study Team

.

Table K-2 Profile of the Candidate Project Site for Orchard Development in West Java Province (4/6)

Code : WJ(SK)-1 Target Fruit : Salak District : Tasikmalaya

	(Unit) Description	No.	
Pround Farm Management & Seedling Production		4, Agro-cology and Agro-climate	
	(kind) Paddy, Com and Cassava		(type) [Undulating to hilly
diversity fandholding size of the farm-household	1	4-2 Slope	0 11 - 30
Average cultivation area of the target fruit tree	Ł	4-3 Altitude (or elevation)	(m) 200-500
Prevailing cultivated varieties of the target fruit trees	(vanery) Manoniava, Pondoh and Local	4-4 Annual rainfall	(mm) 12.040
No. of planed target fruit neck	ŧ	4-5 Climate type (No. of wet and dry months)*	(type) Al
Annual average production in last five vears	(ton) [21,5)2,411	(1) wet months	(no.&month) 12 (Jan-Dec)
Marvest season of the target fruit		(2) dry months	(no.&month): 0
Current farmgate price of the fruit	(Rp/ piece) 7	4-6 Groundwater depth	
Production induction (manure & chemicals)	(kind) 200 - 400	(1) wermonths	(m) 3-5
-	t	(2) dry months	(<i>m</i>) 8-10
Procurement of seedings (seed, nursery, PRAS, etc.)	(source) Duku	4-7 Soil type	(rype) Latosol and Yeliow Red Podzolic
No. of PPSs and PPLs specialized in horbculture dev.	•	S. Marketing	
t-	t.	(Present Market Situation)	
1-		5-1 No. of local markets within 50 km circle from the site	(no.) 14
	(kind/ no.) KUD (54) / Kiosk (316)	5-2 Marketing channel (farmers - collector/ middleman -	(flow) Farmers - Collectors - Towns/ Citres
~	3 8RI Unit (34)	towns - cities - export)	
	(kind)	5-3 Present destination of the crops (local, subdistricts,	(destination) Sancung, Jakarta
	(ha) ; Salak	districts, provinces, towns, cipes & export)	
- (1) Short term (up to 2003)	(ha) [21,000	5-4 Form of marketed products (fresh - processed)	(state) Fresh
Medium term (2004-2008)		(Marketing Prospective)	
Long term (2009-2018)	1-	5-5 Marketing channel (farmers - collector/ middleman -	I (flow) Farmers - Farmers' Groups - Collectors' Wholesalers -
action program	(ton) 15000		Crites/ Exports
	(ton) 32,000	5-6 Markeing target (district, province, city and/or export)	(targets) Jakarta
	(vancty) 32	5-7 Form of future market demand (fresh - processed)	(state) Fresh
Plant(s) recommended to be inter-cropped	(kind) Nglumut	6. Postsharvest Handling	
1	Secondary crops	(Present Processing Fucilities)	
Socio-economic Condition of the Site			(type) No
No. of candidate participant farmers	(no.) 4761	6-2 Processed products	(kund)
	(uo.) 5	(drymg, canning, bortling, processed products, etc.)	
Distance to the Provincial capital (Road class I)		6-3 Capacity of the processing facility	(ton/day) -
Distance to the District capital (Road class 11)	(km) 30	(Enlumcement Planning)	
Distance to the Subdistrict capital (Road class 111)	(km) 10	6-4 Required post-harvest handling activities	(kind) Cleaning / Grading / Packaging
\$111 W	(class) 11]	(cleaning, sorting, grading, processing, packaging, etc.	
3-7 Road condition of the road to Subdistrict capital 1 (ma	(material) Asphalt	6-5 Expecting processed products	(kind) Fresh fruit
3-8 Distance to the nearest scaport/airport ((km) 160	7. Infrastructure and Facilities	
	(ves or no) i Yes	8-1 Existing impation facilities for upland crops/ fruits	(kind) Nil
3-10 Source of drinking water (well, spring, nver, etc.) (k	(kind) - Well	in and around the project site	
		8-2 Possible water source for watering	(kind) Groundwater and Stream

Table K-2 Profile of the Candidate Project Site for Orchard Development in West Java Province (5/6)

Code : WJ(MO)-1 Target Fruit : Mango District : Sumedang

		4 1 Aero-colocy and Agro-climate		
Present Farm Management & Seedling Production			(type) F	Fat to undulating
[-] Cultivated crops	(kind) Secondary crops and Mango		0 (1/2)	0 - 15
1.2 Average landholding size of the farm-household	(ha) i 0.25	1	Ē	25-100
	(ha) 0.03		t	
Т	1 (vanety) Arumanis, Cengkir, Gedong, Manalagi,	4-4 Annual rainitall		
1	ţ-	4-5 Climate type (No. of wet and dry months)		
1-5 No. of plantod target truit trees	1-	(1) wet months	1(no.&month) 7 (Oct-Apr)	(Oct-Apri)
1-6 Annual average production in last five years		L	(an Amonun) 2 (Jul-Aug)	(Jul-Aug)
1-7 Harvest season of the target fruit	(months) /, 40			
1-8 Current farmgate price of the fruit	(Kp./ piece) .		(m) 2	
Ł	i (kind) 1,000 - 1,500		t	10
1-10 Inter-cropping plant(s)	(kind) -	1		Alluvial, Andosol, Grumosol and
	i (source) Upland nee and Secondary Crop		╞	Vellow Red Podzolic
	(no.) Nursery	S. Marketing		
	(kind/no.) PPS (8)/PPL (146)	E		
	Kelomnok Tamı (1.312)/	5-1 No. of local markets within 50 km circle from the site	-†	Contraction of the second of t
- E	(kind/nn)) KUD(27)/Kiosk(264)	5-2 Marketing channel (farmers - collector/ middleman -	(flow)	Parmers - Collectors - Lowns Clincs
-14 AVAIIADIC CTOORI SCIVILON FOR HIVIN STOWINE	4	rowns - critics - export)		
Development Plan for the Target Fruit Growing		5-3 Present destination of the crops (local, subdistricts,	(destination) E	Bandung, Sumedang
2-) Target (priority) fruit	t	districts reconness towns, clack & export)		
2-2 Development land area	(ha) Mango	5.4 Form of marketed moduces (fresh - processod)	(state) F	Fresh
(1) Short term (up to 2003)	t			
(2) Medium term (2004-2008)		(Marketing Fridypecitie)	1 (flow) 1	Farmers - Farmers' Croups - Collectors/Wholesalery -
ŀ	(ha) 1200	3-5 Marxenne channes viatines - with the internet	Ł	Cheel France
14	(ton) 500	towns - cities - export)	╉	and the second se
· 1	(ton) 10.000	5-6 Markeing target (district, province, city and/or export)	-	Damung / LAport
	1	5-7 Form of future market demand (fresh - processed)	(state)	Fresh
- 1	+-	6. Post-harvest Handling		
2-0 Plant(s) recommended to be inter-stopped	L	(Present Processing Facilities)		
		6-1 Existing processing facilities of the target fruit	-	20
ΣI	1 40.1 2500		(kind)	
3-1 No. of candidate participant formers	t	(drying, canning, bottling, processed products, etc.)		
3-2 No. of villages concerned	(m)	6-3 Capacity of the processing facility	(ton / dav)	
1		(Entracement Planning)	-	
A Distance to the District capital (Koad class 11)	Ì	A Repuired post-harvest handling activities	(kind) (Cleaning / Sorting / Grading / Packaging
		1	-	
3-6 Road class of the road to Subdistrict capital (1, 11 & 111)	(Class)	1	(kind) [Dried fruit / Sweets (Manisan)
3-7 Road condition of the road to Subdistrict capital	(maternal)	A Lange and Exciting	1-	
3-8 Distance to the nearest seaport airport	(km) i 1×0	/. Intrabutocorte and a second	I (kind) 15	Soot filling system by pumped-up
3-9 Electrification	21	6-1 EXISTING INTRATION LACUTURES TO UPICARY CVOP		water from there
2.10 Source of drinking water (well, spring, river, etc.)	(kind) Well	-1	t	Considerates and Diver
		8-2 Possible water source for watcring	1 (51142)	DEDURTMALLE AIM IN FUR
	_			

Note : *Schumdt and Ferguson Method Source : Provincial Agricultural Services Office and JICA Study Team

Table K-2 Profile of the Candidate Project Site for Orchard Development in West Java Province (6/6)

2	
••	
District	

mt Parm Manugement & Needling Production Cultivated crops Average cultivation are such the firm-household Average cultivation are such the target fruit tree Prevailing cultivated variettes of the target fruit trees No. of planted target fruit trees			
trees		4. Agroecology and Agro-climate	Ī
Automatical trutholding size of the farm-household Average cultivation area of the target fruit free Prevaiing cultivated varieties of the target fruit trees No. of planted target fruit trees	d) Tea and Clove	4-1 Topography (configuration of the site)	(type) Undulating to Kolling
Average culturation area of the target fruit tree Prevailing culturated varieties of the target fruit trees No. of planted target fruit trees	F	5 4-2 Slope	(4) 15-40
Average curvation and or the target fruit trees Prevailing cultivated varieties of the target fruit trees No. of planted target fruit trees	Ĺ	4 4-3 Alinude (or elevation)	(m) i 25 - 500
No. of planted target fruit trees		5	(mm) : 4,470
	T -	4-5 Climate type (No. of wet and dry months)	i (type) i Al
1.6 Anotes success nondiretion in last five wars	(100) 39.192	(1) wet months	(eo.從month)」2(Jan-Dec)
Hacker ceston of the taroat finit	4	(2) dry months	i (no. & month)i 0
Autor farmare mice of the fault	Decel 4	4-6 Croundwater depth	
Declusion server utilization (manuer & chemicals)	41 2000	(1) wet months	(m) ×-10
i inter-remente mante)		(2) dry months	(m) 1X - 20
Procument of seedings (seed, nursery, PRAS, etc.) (cc) Tea and Banana	4-7 Soil type	(type) Alluvial, Andosol and Lithosol
No. of PPCs and PPLs succialized in horticulture dev.		S. Marketing	
Existence of nucleus institution for grouping fruit	12	(Present Market Situation)	
onwing former (Kalomnok Tani KUD, etc.)	Kelombok Tani (828)/	5-1 No. of local markets within 50 km circle from the site	(00.) (X
1-14 Available credit services for fruit growing	∔_	5-2 Marketing channel (farmers - collector/ middleman -	(flow) Farmers - Collectors - Cines/ Exports
nument Plan for the Taroet Pruit Crowing	BRI Unic (1)	towns · cines · export)	
2.1 Taroer (monto) finit		5.3 Present destination of the crops (local, subdistricts,	(destination) Local, Jakarta, Export
Construment fand area	V) Manuatern	districts, provinces, towns, cities & export)	
(1) Short term (in to 103)	1-	5-4 Form of marketed products (fresh - processed)	(state) · Fresh
	1	i Murketing Prospective)	
1 And here (2000-2018)	1	5-5 Marketing channel (farmers - collector/ mideleman -	(flow) Farmers - Farmers' Croups - Collectors/Wholesaters -
oet production in short-term action prostram	1-	towns - cities - export)	
ľ.	n) 2,000	5-6 Markeing target (district, province, city and/or export)	(targets) Jakarta/Export
	1.	5-7 Form of future market demand (fresh - processed)	(state) Fresh
Plant(s) recommended to be inter-cropped	d) · Local	6. Post-harvest Handling	
	 Secondary crops 	2	
Socio-economic Condition of the Site		6-1 Existing processing facilities of the target fruit	(type) No
3-1 No. of candidate participant farmers	0.1 11850		(kend) -
	5.) 5	(drying, canning, bortling, processed products, etc.)	
3.3 Distance to the Provincial capital (Road class f) (km)		6-3 Capacity of the processing facility	I (ton / day) -
Ł	a) 125	(Enhuncement Plunning)	
Distance to the Subdistrict capital (Road class fil)		6-4 Required post-harvest handling activities	(kind) Cleaning / Sorting / Grading / Packaging
Ł	ss) 111	(cleaning, sorting, grading, processing, packaging, etc.)	
Road condition of the road to Subdistrict capital	(material) i Asphalt	6-5 Expecting processed products	(kind) / Fresh fruit
3.6 Distance to the nearest seaport/airront (km)	n) i 85	7. Infrastructure and Facilities	
Electrification	(yes or no) i Yes	8-1 Existing impation facilities for upland crops/ fruits	(kind) Pipeline from spring by individual
Source of draking water (well, sound, river, etc.)	id) : Spring	in and around the project site	
t.		8-2 Possible water source for watering	(kind) Spring

Note : "Schimdt and Ferguson Method Source : Provincial Agricultural Services Office and JICA Study Team

Table K-3 Profile of the Candidate Project Site for Orchard Development in East Java Province (1/8)

Code: EJ(AV)-1 Target Fruit: Avocado District: Lumajang

Revolupy and Agro-climate (type) Topography (configuration of the site) (type) Stope (m) Stope (m) Stope (m) Stope (m) Stope (m) Annual rainfall (m) (i) wer months (m) (i) (m) (m) (i) (m) (m) (m) (m) (m) (m) (m) (m) (m) (m) (m) (m) (m) (m) (m	4. Approveology and Agro-climate 4-1 Topography (configuration of the site) 4-2 Stope 4-3 Annual rainfall 4-4 Annual rainfall 4-5 Climate type (No. of wet and dry menths)* 4-5 Climate type (No. of wet and dry menths)* 10) wet months 11) wet months 12) dry months 13) dry months 14) Gry months 15) dry months 16) wet months 17) wet months 23 dry months 24 Soll type 25 Marketing 26 dry months 27 Marketing 24 Former centras within 50 km curcle from the site 54 Form of tharkets, within 50 km curcle from the site 52 Marketing channel (farmers, collector/ muddleman - towns, cutes & export) 54 Form of marketed products (fresh - processed)	 (type) Plan. rolling to hilly (fe) 2.15 to 15-a0 (m) 100-700 (mm) 2.217 (from & from hilly (from & from hilly (from & from hilly (from & from hilly (from hill) 3.00t-4Apt and Jun hill (from hill) 4.00t-4Apt and Jakarta (from hill) 5.00t-4Apt and Jakarta
Treater i France Free at Family for the frage fragment & Section fra	4-1 Topography (configuration of the MP) 4-2 Slope 4-3 Almude (or elevation) 4-4 Annuale ranfall, 4-5 Almude (or elevation) 4-4 Annuale ranfall, 4-5 Almude (or elevation) 4-6 Annuale ranfall, 1 -4 1 -4 -4 Annuale ranfall, -4 -4 -5 dry months -1 -0 -1 -1	type) Plan. rolling to hilly (%) 2.15 to 15-40 (m) 2.00700 (m) 2.017 type) 100-700 (m) 100 (m) 3.0 (mo) 9 (mo) 9 (no.) 9 (no.) 9 (flow) Farmers- Collectors - Towy Cittes stination Surabaya and Jakarta
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	4.2 Superior 4.3 Altrude (or clevation) 4.4 Annual rainfall 4.5 Climate type (No. of wet and dry menths)* 4.6 Coundwarer depth (1) wet months (2) dry months (3) wet months (1) wet months (2) dry months (1) wet months (2) dry months (3) Marketing channel (farmers to a local to the site street of the street of strannel (farmers - collector/ muddleman - towns - cutes - export) 5.4 Formers, nowns, cutes, const. 5.4 Form of marketed products (fresh - processed)	(%) 2.15 (o 15-40) (m) 100-700 mm) 2.217 Dype 2.217 Dype 2.217 Dype 3.00-700 Cmonthi 8.10c:t-Apr and Juni 2.00 Remonthi 9.10f 3.00 Tow 16 Anno. 9 Stimation Surabaya and Jakarta Stimation Surabaya and Jakarta
old (b) 0.47 (m) -4. (m) -4. (4-1 Antrude (or clevation) 4-3 Antrude (or clevation) 4-5 Climate type (No. of wet and dry months)* 4-5 Climate type (No. of wet and dry months)* 4-5 Climate type (No. of wet and dry months)* (1) wet months (1) wet months (2) dry months (3) dry months (4) (7) (7) wet months (8) Present clear number of the state (7) wet months (8) Present clear number of the state (9) Freent clear number of the crops (local subdistricts, distribution) (9) Present clear number of the crops (local subdistricts, districts, distr	(m) 100-700 mm) 2.217 type) B.2 arounth 3 (Jul:Sep) arounth 3 (Jul:Sep) (m) 15 (m) 15 (m) 20 type) Mediteranean, Latosol and Reposed page) Mediteranean, Latosol and Reposed tow) Farmers - Collectors - Tow / Cittes flow) Farmers - Collectors - Tow / Cittes structor) Surateva and Jakarta
etc (1a) 01 4-3 Annual minisity (1)	4-3 Antricude (or clevation) 4-4 Annual sarrifal, 4-4 Annual sarrifal, 4-5 Cimuale type (No. of wet and dry menths)* (1) wet months (1) wet months (2) dry months (1) wet months (2) dry months (1) wet months (2) dry months (1) wet months (2) dry months (1) wet months (2) dry months (3) dry months (4) Solutype (2) dry months (3) dry months (4) Solutype (5) dry months (7) dry months (8) off markers within 50 km carief from the site (7) Present destimation of the crops (local. subdistrict. (7) Present d	mm) 2.217 Mpc) 82 &roomh 8 (Oct-Apr and Jun) &roomh 8 (Oct-Apr and Jun) &roomh 8 (Oct-Apr and Jun) &roomh 9 (m) 15 (m) 30 (m) 30 (m) 9 (no.) 9 (no.) 9 (no.) 9 (no.) 9 (no.) 7 famera - Collectors - Towy Crites structor) Surabaya and Jakarta (state) Fresh
Out recess (vartery) Jocal 4-4 Annal Imitial	4-4 Annual ranfall 4-5 Climate type (No. of wet and dry menths)* (1) wet months (2) dry months (1) wet months (2) dry months (2) dry months (2) dry months (1) wet months (2) dry months (1) wet months (2) dry months (3) dry months (4) Dresent Monter Situation (2) Marketing channel (farmers - collector/ mudleman - towns - cutes - export) (2) Present destination of the crops (local. subdistricts, dry of barriers, cutes - processed) 5.4 Form of marketed products (tresh - processed)	 mm)
mm.mcs (mo) 3400 (1) (mo) (1) (4.5 Climate type (No. of wet and dry months)* (1) wet months (2) dry months (1) wet months (1) wet months (2) dry months (1) wet months (2) dry months (2) dry months (3) dry months (4-6 Groundwase to the street of the stree	Lype) Bit &month) 3 (Oct-Apr and Jun) &month) 3 (Oct-Apr and Jun) &month) 3 (Jul)-Sep) (m) 15 (m) 30 (m) 30 (m) 9 (m) 9 (now) Farmers - Collectors - Towy Cittes stination) Surabaya and Jakarta
(100) 2000 (1) vertinentia (100, constraint) (10	(1) wet months (2) dry months (3) dry months (4) Gry months (5) dry months (7) dry matces within 50 km carcle from the site (7) dry of local matces within 50 km carcle from the site (7) Dresent destimation of the crops (local subdistricts, transition of the crops (local subdistricts, dry months, carbord) (7) A (7) Dresent destination of the crops (local subdistricts, dry months, drames, drame	 &rroomb & (Oct-Apt and Jun) &rroomb) 3 (Jul; Sep) (m) 15 (m) 30 (m) 40 tope) Meduteranean, Latosol and Reposed type) Meduteranean, Latosol and Reposed top) 9 (no.) 9 fow) Farmers - Collectors - Towel Crites structorin Surabaya and Jakarta structorin Fresh
(form) 2.004 (for Amonths) 2.004 (for Amonths)	 (2) dry months (2) dry months (1) wet months (2) dry months (3) dry months (4-7 Soul type (2) dry months (3) dry months (4-7 Soul type (5) Marketing channet (3) Marketing channet (4) Marketing channet (5) Marketing channet (6) Marketing channet (7) Marketing channet<!--</td--><td>&month) 3 (ju): Sep) (m) 15 (m) 30 type) Meduterrancan. Latosol and Reposed type) Meduterrancan. Latosol and Reposed type) Farmers - Collectors - Town/ Crites flow) Farmers - Collectors - Town/ Crites stination) Surabaya and Jakarta stination) Surabaya and Jakarta</td>	&month) 3 (ju): Sep) (m) 15 (m) 30 type) Meduterrancan. Latosol and Reposed type) Meduterrancan. Latosol and Reposed type) Farmers - Collectors - Town/ Crites flow) Farmers - Collectors - Town/ Crites stination) Surabaya and Jakarta stination) Surabaya and Jakarta
(1.00011) (1.00011) (1.00011) (1.00011) (1.00011) (1.00011) (1.00011) (1.000111) (1.0001111) (1.00011111) (1.000111111) (1.0001111111) (1.000111111111) (1.000111111111111111111111111111111111	4-6 (s) uset months (1) wet months (1) wet months (2) dev months (2) dev months (3) vet months (3) vet months (4) Sol type (5) dev months (5) dev months (6) vet months (7) vet months (7) vet months (7) vet vet months (7) vet	(m) 15 (m) 15 (m) A0 (ppe) Mediterrancan, Latosol and Reposol (no.) 9 flow.) Farmers - Collectors - Tows/ Crities stimation) Surabaya and Jakarta stimation) Surabaya and Jakarta
(B2) (B2) <th< td=""><td> 4-0 Crouinoverance to the second secon</td><td></td></th<>	 4-0 Crouinoverance to the second secon	
metals) (4mid) (4mid) (1) were months (1)	 (1) wet months (2) dey months (3) dey months (4) form de sure (4) form de sure (1) wet and the sure (1) wet and the sure (2) Marketing channel (farmers - collector) muddleman- towns - cittes - export (5) Present de trantation of the crops (local, subdistincts, 5) Form of marketed products (frech - processed) 	
Marketion Command Second Grops C. Optimization Controls Control Contro Contro Contro <td> (2) der months 4-7 Soul type 5. Marketing Situation) 5. Marketing channel (farmeri vollector) muddeman - 5.1 No. of local markets within 50 km circle from the site 5.2 Marketing channel (farmeri v collector) muddeman - towns - cittes - export 5.3 Present destination of the crops (local, subdistricts, 5.4 Form of markets (owns, stores, owns, cittes & cexport) </td> <td></td>	 (2) der months 4-7 Soul type 5. Marketing Situation) 5. Marketing channel (farmeri vollector) muddeman - 5.1 No. of local markets within 50 km circle from the site 5.2 Marketing channel (farmeri v collector) muddeman - towns - cittes - export 5.3 Present destination of the crops (local, subdistricts, 5.4 Form of markets (owns, stores, owns, cittes & cexport) 	
A.S. etc.) Kontony Seried A.S. Solution (Tope) (Tope) Inter dev. (a) PSS (0) (PPL (113)) A. Markening kinutim) (Tope) (Top) Inter dev. (a) PSS (0) (PPL (113)) A. Markening kinutim) (Top) (Top) (b) (kind/ no) BRU (utr(15)) S.1 No. of local markens within S0 im care from the site (Tov) (b) (kind/ no) BRU (utr(15)) (Top) S.1 No. of local markens (internet) (Tov) (kind/ no) BRU (utr(15)) (Top) (Top) (Tov) (Tov) (Tov) (hand/ etc.) (with right Propertive) (Top) (Top) (Tov) (Tov) (m) (m) (m) (m) (Tov) (Tov) (Tov) (m) (m) (m) (m) (Tov) (Tov) (Tov) (m) (m) (m) (m) (Tov) (Tov) (Tov) (m) (m) (m) (Tov) (Tov) (Tov) <td< td=""><td>4.7 Soil type 5. Marketing 1 Present Market Situation) 1 Present Market Situation) 5.1 No. of local markets within 50 km circle from the site 5.1 Norms channel (farmen - collector) muddleman - towns circles export) 5.3 Present cestimation of the crops (local, subdustincti, district, provinces, towns, circles & export) 5.4 Form of marketed products (fresh - processed)</td><td></td></td<>	4.7 Soil type 5. Marketing 1 Present Market Situation) 1 Present Market Situation) 5.1 No. of local markets within 50 km circle from the site 5.1 Norms channel (farmen - collector) muddleman - towns circles export) 5.3 Present cestimation of the crops (local, subdustincti, district, provinces, towns, circles & export) 5.4 Form of marketed products (fresh - processed)	
AS. etc.) (course) Scale (Amarketing) Thure drives PSS(9)/ PPL (118) (Present Markets whim 50 km carele from the site (no.) Thure drives KUD (23) (20 (23)) (20 (23)) (20 (23)) (1.120)/ (1.00v) (End/no) BRUJURIT (13) (20 (23)) (21 (23)) (21 (20)) (1.120)/ (1.00v) (End/no) BRUJURIT (13) (1.120)/ (21 (20)) (21 (20)) (10 (20)) (10 (20)) (10 (20)) (10 (20)) (10 (20)) (10 (20)) (10 (20)) (10 (20)) (10 (20)) (10 (20)) (10 (20)) (10 (20)) (10 (20)) (10 (20)) (10 (20)) (10 (20)) (10 (20)) (10 (20)) (10 (20)) (11 (20)) (11 (20)) (11 (20)) (11 (20)) (11 (20)) (11 (20)) (11 (20)) (10 (20)) (11 (20)) (10 (20)) (11 (20)) (10 (20)) (11 (20)) (10 (20)) (11 (20)) (11 (20)) (11 (20)) (11 (20)) (11 (20)) (11 (20)) (11 (20)) (11 (20)) (11 (20)) (11 (20)) (11 (20)) <td> Marketing (Prevent Murket Situation) (Prevent Murket Situation) (Prevent Murket Situation) 5-1 No. of local markets within 50 km curele from the site 5-2 Marketing channel (farmer - collector) muddleman - towns - cures - export) 5-3 Present contracts - towns, cures & export) 5-4 Form of markets provinces, towns, cures & export) </td> <td></td>	 Marketing (Prevent Murket Situation) (Prevent Murket Situation) (Prevent Murket Situation) 5-1 No. of local markets within 50 km curele from the site 5-2 Marketing channel (farmer - collector) muddleman - towns - cures - export) 5-3 Present contracts - towns, cures & export) 5-4 Form of markets provinces, towns, cures & export) 	
Instructor, (and no.) Proposition (13) (Provent Marcler Strutture) (Fruit (and no.) FXI Unit (13) (Provent Marcler Strutture) (inud no.) BRI Unit (13) (Provent Marcler Strutture) (Ano) (inud no.) BRI Unit (13) (Provent Marcler Strutture) (Ano) (inud no.) BRI Unit (13) (Provent Marcler Strutture) (Ano) (inud no.) BRI Unit (13) (Provent Marcler Strutture) (Ano) (inud no.) BRI Unit (13) (Anocado (Anocado (Anocado (inud no.) (Bin) 1000 (Anocado (Anocado (Anocado (inun) 6000 (Anocado (Anocado (Anocado (Anocado (inun) (inun) (Anocado (Anocado (Anocado (Anocado	 (Prevent Market Shuation) 5-1 No. of local markets within 50 km carcle from the site 5-2 Marketing channel (farmert - collector) muddleman - towns - cates - export) 5-3 Present destination of the crops (local subdistincts, 5-3 Present provination of the crops (local subdistincts, 5-4 Form of marketed products (frech - processed) 	
Init (tand no.) Neiomok tant (i.t.20)/ 5-1 No. of local markets within S0 km carcle from the stre (no.) 0.1 (kind/ no.) BRI Unit (15) 5-2 Marketing channet (farmer - collector/ muddleman - (10w) 0.1 (kind/ no.) BRI Unit (15) 5-3 Present centantion of the crops (local subdistricts. (demnation) 0.1 (kind/ no.) BRI Unit (15) 5-3 Present centantion of the crops (local subdistricts. (demnation) 0.1 (ha) 1,000 5-4 Form of marketing channel (farmer - collector) (410t) 0.1 (ha) 1,000 (ha) (how) (10wi) 0.1 (ha) 1,000 (kind) (how) (how) 0.1 (ha) 1,000 (kind) (how) (how) 0.1 (how) 6-0 (harketing channel (farmer - collector) (how) 0.1 (how) (how) (how) (how) (how) 0.1 (how) (how) (how) (how) (how) 0.1 (how)	5-1 No. of local markets within 50 km circle from the site 5-2 Marketing channel (farmeri - collector) muddleman - towns - cities - export) 5.3 Present destination of the crops (local, subdistricts, formeries, rowns, cities & export) 5.4 Form of an arcens, rowns, cities & export) 5.4 Form of marketed products (frech - processed)	
(kind/no) RKU01(23) S2 Marketing channel (famere - collector/ muduleman-(famore) (fow) (kind/no) BR(Uuit (13) S2 Narketing channel (famere - collector/ muduleman-(famore) (fow) (kind) Avocado S2 Fermi of the rest of coally vuburity (coally vuburity) (form) (form) (ha) 1000 (ha) 1000 (strated products (free) - processed) (strate) (n) 1000 (ha) 1000 (strated products (free) - processed) (strate) (n) 1000 (ha) 1000 (strated products (free) - processed) (strate) (n) 1000 (ha) 1000 (strated products (free) - processed) (strate) (n) 1000 (ha) (how) (strate) (strate) (strate) (n) 1000 (how) (how) (strate) (strate) (strate) (strate) (n) 1000 (how) (strate) (strate) (strate) (strate) (strate) (n) 1000 (how) (strate) (strate) (strate) (strate) (strate) (strate	Markenng channel (farmers - collector/ muddleman - towns - cutets - export) Present destination of the crops (local, subdistricts, districts, provinces, towns, cutes & export) Form of marketed products (fresh - processed)	
(kind/ no.) BRI Unit (13) An analysis cities export (kind) Avocado (kind) (vication) (kind) Avocado (sind) (vication) (kind) Avocado (sind) (vication) (kind) (ha) 300 (sind) (ha) 300 (sind) (vication) (ha) 1000 (sind) (vication) (m) (in) 600 (sind) (m) (in) (sind) (in) (m) (in) (sind) (in) (in) (mon) 6 (sind) (kind) (mon) (sind) (in) (kind) (mon) (sind) (kind)	rowns export) Towns export) Present distination of the crops (local, subdistincts. distincts, provinces, towns. cides & export) Form of marketed products (tresh - processed)	
(and) Avocado Common of the crops (local, subdustrict, local and of the crops (local, subdustrict, local and of the crops (local, subdustrict, local and local	Present custors = export. Present distination of the crops (local, subdistincts, distincts, provinces, iowns, clobs & csport) Form of marketed products (tresh - processed)	
(kind) Avocado 5:3 Present cestnantion or the copya (could sector) (kint) (ha) 1000 (astrict, province, towns, cites & coport) (kint) (ha) 1000 (astrict, province, towns, cites & coport) (kint) (ha) 1000 (astrict, province, towns, cites & coport) (kint) (nn) (nn) 600 (astrict, province, towns, cites & coport) (kint) (nn) (nn) 600 (astrict, province, towns, cites & coport) (kint) (nn) (nn) 600 (astrict, province, towns, cites & coport) (kint) (nn) (nn) 600 (astrict province, towns, cites & coport) (kint) (nn) (nn) 600 (astrict province, towns, cites & coport) (kint) (nn) (nn) 600 (astrict province, towns, cites & coport) (kint) (nn) (nn) 600 (astrict province, city and/or export) (astrict province, city and/or export) (nn) (nn) (nn) (nn) (nn) (nn) (nn) (nn) (nn) (astrict province, city and/or export) (astrict province, city and/or export) (nn) (nn) (nn) (nn) (nn) (nn) (nn) (nn) (nn) </td <td>Present destination of the crops (local, subsultation) districts, provinces, towns, citles & export) Form of marketed products (fresh - processed)</td> <td></td>	Present destination of the crops (local, subsultation) districts, provinces, towns, citles & export) Form of marketed products (fresh - processed)	
(ha) 3000 currents, provinces, novins, cites & cryption (state) (i) (ha) 1000 (state) (state) (ii) (ha) 1000 (state) (state) (iii) (ha) 1000 (state) (state) (iii) (ha) 1000 (state) (state) (iii) (iii) 600 (state) (state) (state) (iiii) (iiii) 600 (state) (state) (state) (iiii) (iiii) (state) (state) (state) (state) (state) (iiii) (iiii) (state) (state) (state) (state) (state) (state) (iiii) (state) (state) (state) (state) (state) (state) (state) (state) (state) (state) (state) (state) (state) (state) (state) (state) (state) (state) (state) (state) (stas)	districts, provinces, towns, cross & export) Form of marketed products (fresh + processed)	┨╌┨
(ha) (100) 5.4 Form of marketed products (fresh - processed) (state) (in) (ha) (000) (state) (state) (state) (in) (in) (000) (state) (state) (state) (in) (in) (in) (in) (state) (state) (in) (in) (in) (state) (state) (state) (state) (in) (in) (state) (state) (state) (state) (in) (state) (state) (state) (state) (state) (state) (state) (state) (state) (Form of marketed products (fresh • processed)	-†
(i) (iii) (iii) (iii) (i) (iii) (iii) (iii) (iiii) (iii) (iii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiii) (iiiii) (iiii) (iiii) (iiii) (iiiii) (iiii) (iiii) (iiii) (iiiii) (iiii) (iiii) (iiiii) (iiiiiii) (iiii) (iiii) (iiii) (iiiiiii) (iiii) (iiii) (iiiii) (iiiiiii) (iiii) (iiii) (iiiii) (iiiiii) (iiii) (iiii) (iiiii) (iiiiii) (iii) 2670 (iiiii) (iiiii) (iii) 1 (iiii) (iiiii) (iii) 30 (iii) (iiii) (iii) (iiii) (iiii) (iiii) (iii) (iii) 30 (iii) (iii) (iii) (iii) (iiii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iiii) (iii) (iii) (iiii)		
(m) (m) (m) (m) (ini) (m) (m) (ini) 600 (kind) (kind) (kind) (kind	(Murketine Prospective)	
(Inc) (Inc) <th< td=""><td>el (farmers - collector/ middleman -</td><td>(flow) Farmers - Parmers' Groups - Collectors/ Whelevalers -</td></th<>	el (farmers - collector/ middleman -	(flow) Farmers - Parmers' Groups - Collectors/ Whelevalers -
cition program (ton) 600 5-6 Markeng target (dsmict, province, ory and/or export) (targets) r-eropped (tund) 6 5-7 Form of finite market demand (fresh - processed) (state) r-eropped (tund) Com and Second crops 6. Post-barvest Handling (state) r-eropped (tund) Com and Second crops 6. Post-barvest Handling (state) r-eropped (tund) Com and Second crops 6. Post-barvest Handling (state) r-eropped (tund) Com and Second crops 6. Post-barvest Handling (state) res (no.) 13 Com of Taure market demand (fresh - processed) (state) (Road class I) (km) 85 Capacity of the processing facility (ton' day) (Road class II) (km) 30 (fshuarcement Planmang, portling, processing facility (ton' day) (Road class II) (km) 53 Capacity of the processing facility (ton' day) (Road class II) (km) 7 (fshuarcement Planmang) (ton' day) </td <td></td> <td>Towns/ Cities - Exports</td>		Towns/ Cities - Exports
(on) 6 70 matering ages construction (state) recopped (kind) Com and Second crops 6. Post-harvest Handling (state) recopped (kind) Com and Second crops 6. Post-harvest Handling (state) recopped (no.) 2670 (recent Processing facilitier) (state) res (no.) 2670 6. Post-harvest Handling (state) res (no.) 2670 6. Processed products. (state) (Road class II) (km) 85 Processed products. (stad) (stad) (Road class II) (km) 30 6.3 Capacity of the processed products. (stad) (Road class II) (km) 30 6.4 Required post-harvest handling activities (stad) (Road class II) (km) 30 6.5 Expecting post-states and ing activities (stad) (Road class II) (km) 7 Interformed post-harvest handling activities (stad) (Road class II) <t< td=""><td>North and Andrew Contract Andrews And And Andrews</td><td>1-</td></t<>	North and Andrew Contract Andrews And And Andrews	1-
Action (vareev) (jo paniang Accorpped (kind) Com and Scond crops A. Precenting (kind) Com and Scond crops A. Accorpped (kind) Com and Scond crops A. Accorpted (kind) Com and Scond crops A. Accorpted (ho.) 2670 (hor.) 2670 Accord class 1) (ho.) 13 (hor.) 13 (Road class 1)) (km) 30 (dryug, canang, botting, processed products, etc.) (hor) (dry) (Road class 1)) (km) 30 (dryug, canang, botting, processed products, etc.) (hor) (dry) (Road class 1)) (km) 30 (dryug, canang, botting, processed products, etc.) (hor) (dry) (Road class 1)) (km) 30 (dryug, canang, botting, processed products, etc.) (hor) (dry) (Road class 1)) (km) 30 (dryug, canang, pactaging, etc.) (hor) (dry) (Road class 1)) (km) 30 (dryug, canang, pactaging, etc.) (hor) (dry) (Road class 1)) (km) 30 (dryug, canang, pactaging, etc.) (hor) (dry) (Road class 1)) (km) 30 (hor) (dry) (hor) (dry) (Road claser) (km) 55	Marketing Langer Auguster, provinse and market and the	t-
r-cropped (kind.) Com and Second crops A. Posteriar rest Handling r-cropped (kind.) Com and Second crops (mo.) 2670 (mo.) res (no.) 13 (mo.) 13 (mo.) (mo.) (mo.) (Road class 1) (km) 85 (drying, canning, botting, processing facilities) (fond.) (Road class 1) (km) 30 (drying, canning, botting, processing facility) (fond.) (Road class 1)) (km) 30 (drying, canning, botting, processing facility) (fond.) (Road class 1)) (km) 30 (fond.) (fond.) (fond.) (Road class 1)) (km) 7 (formerement Planing) (fond.) (fond.) (Road class 1)) (km) 7 (fond.) (fond.) (fond.) (record class 1)) (km) 7 (fond.) (fond.) (fond.) (record class 1)) (km) 7 (formerement Planing) (fond.) (fond.) (record class 1)) (km) <td< td=""><td>2-7 Form of Tunure market destrand (treast - processory)</td><td>t</td></td<>	2-7 Form of Tunure market destrand (treast - processory)	t
Res (Processing facilities of the target fruit (Type) Res (no.) 2670 (5) Fusting processing facilities of the target fruit (fynd) Res (no.) 13 (5) Corseed products, etc.) (fynd) (Road class 1) (km) 85 Capacity of the processing facilities of the target fruit (fynd) (Road class 1) (km) 30 (5) Capacity of the processing facility (fon/ day) (Road class 1) (km) 30 (5) Capacity of the processing facility (fon/ day) (Road class 1) (km) 7 (apping, canong, botting, processing, processing, periodicts, etc.) (fond) (Road class 1)) (km) 30 (5) Capacity of the processing facility (fond) I(Road class 1)) (km) 7 (fon/ gamme, soring, growershing, processing, periodicts, etc.) (fond) I(Road class 1)) (km) 7 (fon/ gamme, soring, growershing, processing, periodicts, etc.) (fond) I(Road class 1)) (km) 7 Intrastructure and Facilities (kmd) I(Road class 1)) (km) 50 55 Expering processing facility (kmd) I(Road class 1)) (km) 7 Intrastructure and Facilities (kmd) <td>ö</td> <td></td>	ö	
Res (mode) 2670 6-1 Exusting processing facilities of the target run (yind) Res (mod) 13 6-2 Processed products, etc.) (fond) Road class 1) (mo) 13 6-3 Processed products, etc.) (fond) Road class 1) (mo) 85 6-3 Required products, etc.) (fond) Road class 11) (m) 85 6-4 Required positiverest families (fond) Road class 11) (mo) 7 6-5 Expecting processing facility (fond) Bdistrict capital (material) Asphalt 5-5 Expecting processing processing, packaging, etc.) (fond) Bdistrict capital (fam) 30 6-5 Expecting processing processing, packaging, etc.) (fond) Bdistrict capital (fam) 30 6-5 Expecting processing processing, packaging, etc.) (fond) Bdistrict capital (material) Asphalt 7. Infrastructure and Facilities (fond) Bring, neer, etc.) (yes or no) Yes Nois a		Ł
Res (no.) 2670 6-2 Processed products. (Anno.) (Road class 1) (m.) 13 (drving. canany, botting. processed products. etc.) (anno.) (Road class 1)) (m.) 85 (drving. canany, botting. processed products. etc.) (ton / drv) (Road class 1)) (m.) 85 (drving. canany, botting. processed products. etc.) (ton / drv) (Road class 11) (m.) 30 (drving. canany, botting. processing facility (ton / drv) (Road class 11) (m.) 30 (drving. canany, botting. processing packaging. etc.) (hord) (Road class 11) (matten) 7 feature and Facility (hord) (Road class 11) (matten) 7 Infrastructure and Facility. (hord) (road class 11) (matten) Asphalt 5 Expecting processed products. etc.) (hord) (road class 11) (matten) 30 5 Expecting processed products. etc.) (hord) (road class 11) (matten) 5 Expecting processed products. etc.) (hord) (ros or no)	Existing processing facilities of the target truit	1
No. of canoneste participant arriers (no.) 13 (drying, canonested products, etc.) No. of transce to the Provincial capital (Road class 1) (km) 85 (drying, canonested products, etc.) (ton / day) No. of the Provincial capital (Road class 1) (km) 30 6-3 Capacity of the Processing facility (ton / day) Distance to the Output capital (Road class 1) (km) 30 6-3 Capacity of the Processing facility (ton / day) Distance to the Output capital (Road class 11) (km) 30 6-3 Capacity of the Processing facility (ton / day) Distance to the Nucleistic capital (km) 30 6-5 Experimg, soring, processing, packaging, etc.) (kmd) Road class of the road to Subdistrict capital (merinal) Asplait 6-5 Expecting processing, packaging, etc.) (kmd) Road class of the road to Subdistrict capital (merinal) 30 6-5 Expecting processing, packaging, etc.) (kmd) Road class of the road to Bacifity (well, sping, merinal) Source of danking were (well, sping, merina) (kind)	Processed products	(kind) 1 -
No. of villages concerned No. of villages concerned No. of villages concerned (ton / ds/) Distance to the Protonnal capital (Road class 1) (km) 30 (Enhancement Planning) (ton / ds/) Distance to the Protonnal capital (Road class 11) (km) 7 (Enhancement Planning) (ton / ds/) Distance to the Nucleitation (Road class 11) (km) 7 (b) (b) (kmd) Distance to the Nucleitation (Road class 11) (km) 7 (b) (c) (kmd) Road class of the road to Subdistrict capital (maternal) Asphalt (c) (kmd) (kmd) Road class of the road to Subdistrict capital (maternal) Asphalt (c) (b) (kmd) Road class of the road to Subdistrict capital (maternal) Asphalt (c) (kmd) (kmd) Road condition of the road to Subdistrict capital (maternal) Asphalt 7. Infrastructure use to the nearest reading, processing, packash, pa	-	
Distance for the Planning) Control capital (Road class 1) (kin) 30 (Enhancement Planning) (Enhancement Planning) (kind) Distance to the Outricit capital (Road class 11) (km) 7 (Enhancement Planning) (kind) Distance to the Outricit capital (Road class 11) (km) 7 (Enhancement Planning) (kind) Distance to the Contract capital (Road class 11) (km) 7 6-4 Required post-barvest handling activities (kind) Road condition of the road to Subdistrict capital (maternal) Asphalt 6-5 Expecting processed products (kind) Distance to the nearest reaport/ arport (km) 30 8-3 Examption gradon class 11 (kmd) Distance to the nearest reaport/ arport (km) 30 8-3 Examption gradon class 11 (kmd) Distance of dinking water (well, spring, metc. (km) 30 8-2 Passible water source for watering (kind)	Capacity of the processing facility	on / day) -
Distance to the Ostroct capital (Road class 11) (km) 30 Distance to the Subdistrict capital (Road class 11) (km) 30 Distance to the Subdistrict capital (Road class 11) (km) 7 Distance to the Subdistrict capital (Road class 11) (km) 30 Road collars of the road to Subfinite capital (1, 1) (k, 11) (km) 30 Road collars of the road to Subfinite capital (1, 1) (k, 11) (km) 30 Distance to the martest reaport/ anport (km) 30 Distance to the martest reaport/ anport (km) 30 Electrification (and a round fractifies for upland crops/ fruits. (kind) Source of danking water (well, sping, metc.) (kind) &2 Passible water source for watering. (kind)	(Fahracement Planuar)	
Distance to the Subdistrict capital (Rood class 11) (km) 7 Road class of the road to Subdistrict capital (km) 7 Road class of the road to Subdistrict capital (class) fill Road class of the road to Subdistrict capital (matrice) (km) Road class of the road to Subdistrict capital (matrice) (km) Road class of the road to Subdistrict capital (matrice) (km) Road class of the road to Subdistrict capital (km) 30 Road class of the road to Subdistrict capital (km) 30 Road class of the road to Subdistrict capital (km) 30 Road class of the road to Subdistrict capital (km) 30 Statement or the exerts respond anyort (km) 7 Road class of danking water (well, sping, metric) (kind)	were handling activities	(kind) Cleaning / Sorting / Grading / Packaping
Road class of the road to Subdistrict capital (1) (k, 1) (k, 1) (k, 1) (class) (11) Road condition of the road to Subdistrict capital (material) Asphait 6-5 Experimg processed products (kind) Road condition of the road to Subdistrict capital (km) 30 7. Infrastructure processed products (kind) Distance to the nearest seaport/airport (km) 30 Yes 8.1 Electrification (kind) Source of dinking water (well, spring, meet cetc) (kind) Well / Pipe 8.2 Existing imgenoid file project site (kind)	Auquited post and the producting markaging Pic)	1
Road condition of the road to Subdistrict capital (material) Asphalt 0-3 Expecting processo products Distance to the nearest seaport/airport (km) 30 7. Intrastructure and Pacifities Distance to the nearest seaport/airport (km) 30 7. Intrastructure and Pacifities Distance to the nearest seaport/airport (vest or no) Yes 8.1 Examption graphication graph of the project site Source of dinking water (well, spinig, nver, etc.) (kind) well / Pipe 8.2 Passible water source for watering (kind)	(creaning, suruity, graung, processify, pro-	
7. Infrastructure and Facilities Distance to the nearest seapont/amport (km.) 30 51 Example and Facilities (kind.) (kind.) Electrification (vss.or.no) Yes N-1 Example anguage of facilities for upland crops (fruits.) (kind.) Source of danking water (well, sping, nver, etc.) (kind.) Well / Ppe 8-2 Passible water source for watering. (kind.)	C-O EXpecting processor province	
Valuative to the fraction fact three for the form of t	Infrastructure and Facilities	Ī
Source of drinking water (well, spring, river, etc.) (kind.) Well / Pipe k.2 Passible water source for watering (kind.)	Existing impation facilities for upland crops/ fruits	-1
Nource of drinking water (weil, spring, nver, ster.) (wind) (kind)		- 1
	Possible water source for watering	(kind) Groundwater and Spring
		(drying, caming, botting, processed products, etc.) ((5.3 Capacity of the processing facility ((Enhancement Pluminst) ((cleaning, corring, grading, processing, packaging, etc.) ((5.3 Expecting, processed products, etc.) ((a) Required post-harves handling activities ((cleaning, grading, processing, packaging, etc.) ((a) Expecting processed products ((b) Taxistructure and Facilities ((in and around the project site ((a) Possible water source for watering (

Note : *Schindt and Ferguson Method Source : Provincial Agricultural Services Office and JICA Study Team Table K-3 Profile of the Candidate Project Site for Orchard Development in East Java Province (2/8)

Code : EJ(BA)-1 Target Fruit : Banana District : Jombang

	-		
Present Farm Management & Seedling Production		4. Agro-ecology and Agro-climate	Ī
Cultivated crobs	(kind) Com. Cassava	4-1 Topography (configuration of the site)	(rype) Plain
Average landholding size of the farm-household	(ha) 0.53	4-2 Slope	(4) 0-2
1-3 Average cultivation area of the target fruit tree	(ha) (0.25	4-3 Altitude (or elevation)	(m) : 23-46
1-4 Prevailing cultivated varieties of the target fruit trees	(vanery) Cavendish, Ambon Kuning		Ť
No. of planned target fruit trees	(no.) 72,5149	4-5 Climate type (No. of wet and dry months)*	(type) B2
Annual average production in last five years	(ton) 9,X67	(1) wet months	(no.&month) 6 (Nov-Apr)
Harvest season of the target fruit	(months) 12	(2) dry months	(no.&month) 5 (Jun-Oct)
	i(Kp/ piece) 5,000-6,000 per bunch	4-6 Groundwater depth	-
1-9 Production input unlization (manute & chemicals)	(kind) -	(1) wet months	(m) 2
1-10 Inter-cropping plant(s)	(kind) Cora, Cassava	(2) dry months	(m) 6
Procurement of seedings (seed, nursery, PKAN, etc.)	1-	4-7 Soil type	(type) Latosol
No. of PPSs and PPLs specialized in horneulture dev.	(no.) PPS (5) / PPL (121)	S. Marketing	
1-13 Existence of nucleus institution for grouping fruit	(kind/ no.) Kelompok Tani (1,310) / KUDX27)	(Present Market Situation)	
		5.1 No. of local markets within 50 km circle from the site	(no.) 13
ľ	(kind/no.) BRI Unit (17)	5-2 Marketing channel (farmers - collector/ middleman -	(flow) Farmers - Processors
2		towas - cities - export)	
2-1 Target (priority) fruit	(kind) Banana	5-3 Present destination of the crops (local, subdistricts,	(destination) Local, Surabaya or Exports
Development land area	(ha) 2000	districts, provinces, towns, cincs & export)	
(1) Short term (up to 2003)	(ha) 500	5.4 Form of marketed products (fresh - processed)	(state) Fresh and Processed
1	(ha) 1750	(Marketing Prospective)	-
	(ha) (250	5-5 Marketing channel (famers - collector/ middleman -	(flow) Famers - Famers Groups - Processors
Target production in short-term action program	(ton) 10000	towns - crites - export)	-
Target productivity per hectare	(ton) ; 20	5-6 Markeing target (district, province, city and/or export)	: (targets) Exports
Variety recommended	(vanety) Cavendish, Ambon Kuning	5-7 Form of future market demand (fresh - processed)	(state) Hresh and Processed
2-6 Plant(s) recommended to be inter-cropped	(kind) Corn and Cassava	6. Post-harvest Handting	
Socio-economic Condition of the Site		(Present Processing Fuculines)	
No. of candidate participant farmers	(90.) 3593	6-1 Existing processing facilities of the target fruit	
No. of villages concerned	(no.) 26	6-2 Processed products	(kind) Purce
Distance to the Provincial capital (Road class I)	(km) 100	(drving, canning, bottling, processed products, etc.)	
Distance to the District capital (Road class 11)	(km) 30	6-3 Capacity of the processing facility	(ton / day) (2 ton purce/hour
Distance to the Subdistrict capital (Road class 111)	(km) 5	(Enhuncement Planning)	
Road class of the road to Subdistrict capital (1, 11 & 10)	(class) 1	6-4 Required post-harvest handling activities	1 (kind) i Cleaning / Soming / Grading
Road condition of the road to Subdistrict capital	(material) / Hotmix	(cleaning, sorting, grading, processing, packaging, etc.)	
Distance to the nearest seapont arroor	(km):60	6-5 Expecting processed products	(kind) Puree. Fresh fruit for export
Electrification	(yes or no) i Yes	7. Infrastructure and Facilities	
Source of drinking water (well, spring, nver, etc.)	(kind) Wetl	8-1 Existing impation facilities for upland crops/ fruits	(kind) Shallow casing well with movable
		in and around the project site	pump and engine set
		8-2 Possible water source for watering	(kind) Groundwater

Note : Provincial Agricultural Services Office and JICA Study Team Source : Provincial Agricultural Services Office and JICA Study Team

Table K-3 Profile of the Candidate Project Site for Orchard Development in East Java Province (3/8)

Code : EJ(BA)-2 Target Frult : Banana District : Lumajang

ment & Seedling Production	4. Agro-ecology and Agro-climate	
1-1 Cultrvated crops	4-1 Toporraphy (configuration of the site)	(type) Plain to hilly
	4-2 Stope	(%) 0-2 to 15-40
1-3. Average cultivation area of the target fruit tree (ha) 0.2	A-3 Altitude (or elevation)	(m) 10-200
1-4 Prevailing cultivated variations of the target fruit trees 1 (variety) Agung, Cavendish, Raja Bulu,	4-4 Annual rainfall	(mm) 2.217
1-5 No. of planted target fruit trees.	4-5 Climate type (No. of wet and dry months)*	i (type) 32
st five years (ton)	(1) wer months	(no.4cmonth) 8 (Oct-Apr and Jun)
1-7 Harvest season of the target fruit (months) 22,438	(2) dry months	(no.ktmonth) 3 (Jul-Sep)
1-8 Current farmgate price of the fruit (Rp/ prices) 12	4-6 Groundwater depth	
1-9 Production input utilization (manure & chemicals) (kind) 9000 per bunch	(1) wet months	(m) 13
1-10 Inter-cropping plant(s) (kind) -		· (B) : 5
1-11 Procurement of seedings (seed, nursery, PRAS, etc.) (source) Com and Cassava	4.7 Soil type	(type) Regosol and Latosol
icv. 1 (no.)	S. Marketing	ŀ
1-13 Existence of nucleus institution for grouping fruit ((kind/ no.) PPS (9.17 PPL (118.)	1.	
growing farmers (Kelompok Tani, KUD, erc.) Kelompok Tani (1,120) /	S-1 No. of local markets within 50 km circle from the site	i (no.) i 9
(kind/no.)	5-2 Marketing channel (farmers - collector/ middleman -	(flow) Farmers - Collectors - Towns/ Cities
Development Plan for the Target Fruit Growing	Iowns - cities - export)	Towns/ Crites
(puty)	5-3 Present destination of the crops (local, subdistricts,	(destination) Local and Surabaya
÷.,	districts, provinces, towns, cities & export)	
(1) Short term (up to 2003) (ha) 1,500	5-4 Form of marketed products (fresh - processed)	(state) ; fresh
04) -	(Marketing Prospective)	ſ
(3) Long term (2009-2018) (An) 500	5-5 Marketing channel (farmers - collector/ middleman -	(flow) Famers - Farmers' Groups - Collectory Wholesalers
2-3 Target production in short-term action program (ton) 500	towns - cities - export)	
Target productivity per hectare (ton)	5-6 Markeing target (district, province, city and/or export)	i (tarpets) Local and Surabaya
2-5 Variety recommended (variety) 20	5-7 Form of future market demand (fresh - processed)	(state) Fresh and Processed
2-6 Plant(s) recommended to be inter-cropped (kind) Ambon Kuning, Raja Bulu, Cayendish.	6. Post-harvest Handling	
Agung, Com and Cassava	(Prevent Processing Fucilities)	
Socio-economic Condition of the Site	6-1 Existing processing facilities of the target fruit	(inde) : No
nt farmers (no.)	6-2 Processed products	(kind) -
- 1	(drying, canning, bottling, processed products, etc.)	
Distance to the Provincial capital (Road class I) (km)	6-3 Capacity of the processing facility	[(ton / day) -
1	(Enhancement Planning)	
3-5 Distance to the Subdistruct capital (Road class III) (km.) 5	6-4 Required post-harvest handling activities	(kind) ! Cleaning / Sorting / Packaging
3-6 Road chass of the road to Subdistrict capital (1, 11 & 11) (class) 1 11	(cleaning, sorting, grading, processing, packaging, etc.)	
3-7 . Road condition of the road to Subdistrict capital (material) Asphalt	6-5 Expecting processed products	i (kind) i Fined chips / Dried fruit
3-3 Distance to the nearest scaport/airport (km) 30	7. Infrastructure and Facilities	
Electrification (yes or no)	X-1 Existing irrigation facilities for upland crops/ fruits	1 (kind) [1] Shallow casing well with movable pump & encine
3-10 Source of drinking water (well, spring, river, etc.) (kind) Well / Spring		2) Groundwater development project by World Bank
	8-2 Possible water source for watering	: (kind) Groundwater

Source : Provincial Agricultural Services Office and JICA Study Team

Table K-3 Profile of the Candidate Project Site for Orchard Development in East Java Province (4/8)

Code : EJ(DK)-1 Target Fruit : Duku District : Tulungagung

ng Production (farm-household (arrget fruit trees (v in the target fruit trees (v in the target fruit trees (v in the reached (in the nut crowing (in the reached (in the od in horitculture dev. (in the int Growing (in the art Growing (in the reached (in the r	and Bean and Bean L (104.) m (962) / KUD (20) /	 A genereology and Agro-climate 4-1 Topography (configuration of the site) 4-5 Altrude for elevation) 4-5 Annual rainfall 4-5 Climate type (No. of wet and dry months)* (i) the months (i) wet months (ii) wet months (i) wet months (i) wet months (i) wet months (ii) wet months (i) wet months <li< th=""><th>((YPE) ((%)) ((m)) ((m)) ((m) ((m) ((m) ((m)</th><th>Plan 0-2 2</th></li<>	((YPE) ((%)) ((m)) ((m)) ((m) ((m) ((m) ((m)	Plan 0-2 2
Id (knd) (ha) (ha) (na) (ha) (knd) (knd) (knd) (knd) (knd) (ha) (knd) (ha) (knd) (ha)		4-1 4-2 4-5 4-5 4-5 4-5 7 4-5 7 5-3 5-1 5-5 5-1 5-5 5-1 7 5-5 5-1 7 5-5 5-1 7 5-5 7 5 7	(ΥΥ) (%) (m) (m) (1996) (π) (π) (m) (m) (m) (m) (π) (m) (100.) (100.)	rian 25-100 1.720 8.2 6.(NewAyre) 3.(Ju-Sep)
old (Nino) ee (ha) uit trees (and) uit trees (no) (Np) (no) (Nnd) (no) (Inuit (no) (Nnd no) (no) (Nnd no) (ha) (ha) (ha)		4-4- 4-4- 4-4- 4-7 Marte (Present) 5-2 5-2 5-2 5-3 5-3 5-3 5-3 5-3 5-5 5-5 5-5 5-5 5-5	(%) (m) (no.&month) (no.&month) (no.&month) (no.&month) (m) (m) (m) (m) (no.) (no.)	0-2 -25-100 12.720 8.2 6 (Xev.Ayr) 3 (Jul-Sep) 3 (Jul-Sep) 7 7 Allovial Allovial 15 7 70005 - Towny Circs
cold (ha) ee (ha) uittrees (anety) uittrees (anety) (teo) (teo) (two) (two) (two) (two) (truit (knd) AS, etc.) (source) Iburd dev. (kind'no.) (truit (kind'no.) (tha) (kind'no.) (tha) (ha) (tha) (tha)		4 4 7 4 4 5 5 2 1 1 1 1	(m) (nem) (no.(type) (no.&month) (no.&month) (n) (m) (m) (m) (m) (m) (m) (m) (n) (n) (n)	25-100 1.720 1.720 0.802 3.(Just-Sep) 3.(Just-Sep) 3.(Just-Sep) 3.(Just-Sep) 1. Allury al 1. 1. 2. 2. 2.(Int-Sep) 3.(Just-Sep)
ee (ha) uutrees (ha) (non) (non) (nonths) (months) (kmd) huredev (had) (kmd' no) huredev (no) (kmd' no) (hurd' no) (hurd' no) (ha) (ha)		4-4-4-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5	(mm) (1996) ((no.&month) (no.&month) (m) (m) (m) (m) (m) (m) (m)	1,720 B2 (Nov.Apr) (Aut.Scp) 3 (Juu-Scp) 3 (Juu-Scp) 3 (Juu-Scp) 3 (Juu-Scp) 3 (Juu-Scp) 3 (Juu-Scp) 15 15 17 (Juos Collectors - Towny Crocs
ult trees (vancty) (no.) (no.) (no.) (no.) ((KpJ Precel (KpJ Precel (Knd)) (kind) (kind) (kind) (ha) (ha) (ha)		44 4-7 1/17 5-1 5-1 5-1 5-1 5-1 5-1 5-1 5-1 5-1 5-1	(11756) (100.&month) ((m) (m) (m) (type) (100.) (100.)	B2 6 (Nov.Apr) 3 (Jul-Sep) 7 7 Allovial Allovial 15 Farmers - Collectors - Towny Circes 13 Towns/ Circes
(10.) (10.)		4-1-4-5-4-5-4-5-4-5-4-5-5-5-5-5-5-5-5-5-	(ino.& month) (exo.& month) (m) (m) (m) (type) (no.) (no.)	n (Nov-Apr) 3 (Jul-Sep) 7 7 Alluvnal Alluvnal 15 1 7 7 7 1 7 1 1 1 1 1 1 1 1 1 1 1 1
(ton) (kb/l) (kb		4-7 4-7 5-1 5-3 5-3	(reo.&month) (m) (m) (m) (m) (m) (m) (m) (m) (m)	3 (Jul-Scp) 3 Alternal 15 15 15 10 10 10 10 10 10 10 10 10 10
((KpJ Piece) ((KpJ Piece) ((Kpd) ((Knd) AS, etc.) ((knd) AS, etc.) ((knd) ((knd) no.) ((knd) ((ha) ((ha))		4-7 4-7 Marke (Presen 5-3 5-3	(m) (m) (m) (type) (type) (no.)	3 3 Aliunal Aliunal Farmers - Collectors - Towny Crices Towner Crines
(kp/ prece) (knd) (knd) AS, etc.) (knd) AS, etc.) (knd) (knd/no) (l'uit (knd/no) (knd) (knd) (ha) (ha)		46 46 46 46 Markee (Presen (S-1 5-2 5-3 5-3 5-3 5-3 5-3 5-3 5-3 5-3 5-3 5-3		7 7 Allevial 15 Famers - Collectors - Towny Circes Towney Circes
No. 10(2) (No. 10(2)) 10(2) (No. 10(2)) AS, etc.) (Source) AS, etc.) (Source) Iburc dev. (Ao.) Iburc dev. (Ao.) (I'ruit (kind/ no.) (No.) (kind/ no.) (A) (Ao.) (A) (Ao.) (Ao.) (Ao.)		4-7 Marke 5-1 5-2 5-3		r Alluvial 15 12 13 13 13 13 13 10 10 10 10 10 10 10 10 10 10 10 10 10
Nicurs (xind) AS, etc.) (xind) AS, etc.) (xind) Ituri (xind) Ituri (xind) (xind) (xind) (xind) (xind) (xind) (xind)		4-7 Marke 5-1 5-2 5-3		7 Ailuvnal 15 Farmers - Collectors - Towny Crites Towns/ Crites
AS, etc.) (kind) AS, etc.) (source) AS, etc.) (source) Inuit (kind' no.) (kind' no.) (kind' no.) (kind' no.) (kind' no.) (kind' no.) (kind' no.)		4-7 Marke 5-1 5-3 5-3		Aliunal 15 Famers - Collectors - Towny Cines Towns/ Cines
AS, etc.) (source) hure dev. (no.) (fruit (kind/ no.) (kind/ no.) (kind/ no.) (ha) (ha) (ha)		Marke S-1 S-2 S-2		15 Farmers - Collectors - Towny Cines Towner Cines
Ihure dev. (no.) (l'unit (kindf no.) (kindf no.) (kindf no.)		1 ¹ /1 ¹ /1 ² /2 ² /2 ² /2 ² /2 ² /2 ² /)5) Farmers - Collectors - Towm/ Circes Towmer Circes
(Tuit (kind' no.) (kind' no.) (kind' i (ha) (ha) (ha)		 1.1. restant matter synatrine So km circle from the site 5-1 No. of local markers within 50 km circle from the site 5-3 Markenng channel (farmers - collector/ middleman - towns - cirles - export) 5-3 Present destination of the crops (local, subdistricts, 		15 Farmers - Collectors - Towns/ Cines Towns/ Cines
() (kind/ no.) (kind/ no.) (ha) (ha) (ha)	m (962)7 KUD (2017	EEL		Farmers - Collectors - Towns/ Citics Towns/ Cines
(kind/no.) (kind) ((ha) ((ha) ((ha)				Towns/ Cincs
(kind) ((ha) ((ha) ((ha) (5-3 Present destination of the crops (local, subdistricts,		
(knd) ((ha) ((ha) ((ha) ((ha) (5-3 Present destination of the crops (local, subustition	(deriversion)	Merioshon) Sumbaya and Jakana
Development land area (ha) (1) Short term (up to 2003) (ha) (2) Medium term (2004-2008) (ha)				
Larvergopment anno anno 2003) (ha) (1) Short reem (up to 2003) (ha) (2) Medrum term (2004-2008) (ha)		districts, provinces, towns, cities & export)		
Medium term (2004-2008) (Adv (Adv)		5-4 Form of marketed products (fresh - processed)	(state)	
Medium term (2004-2008)		(Markeling Prospective)		
		5-5 Marketing channel (farmers - collector/ middleman -	(10w)	Farmers - Farmers Groups - Collectory Wholesalich
		1	-	TOWING CITIES
action program (ton)		4.6 Markemo targer (district, province, city and/or export)	(targets)	Surabaya
-1			-	Fresh
(vanety)		Å	; 	
Plant(s) recommended to be inter-cropped (kind)		12	-	
Secondary crops	800	6.1 Existing processing facilities of the target fruit	(advi)	No
-1		1	1 (kind)	-
3-1 No. of candidate participant farmers				
3.2 No. of villages concerned (no.) 13		1	(ton / day)	
		A Capacity of the processing results		
		(Enlighcement Planning)		Carrier (Server (Cardino / Packaging
		6-4 Required post-harvest handling activities	(100 A)	
		(cleaning, sorung, grading, processing, packaging, etc.)		
Road class of the fond to bundistrict capital (1, 1, 6, 111) (1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1		6-5 Expecting processed products	(kind)	I Caannod Iruit
Road condition of the road to Subdistrict capital		7. Infrastructure and Facilities		
Distance to the nearest scaport/airport		1	(kind)	. Z .
(ves or no)		1		
3-10 Source of drinking water (well, spring, nver, clc.) (kind) Well		8.2 Possible water source for watching	(kind)	Groundwater
		ļ		

Note : -Schundt and Ferguson Method Source : Provincial Agricultural Services Office and JJCA Study Team

Table K-3 Profile of the Candidate Project Site for Orchard Development in East Java Province (5/8)

Code : EJ(DR)-1 Target Fruit : Durian District : Jombang

Jombang	
trict :	

on Mold Cec Cec Cec Cec Cec Nucuts) (Cure fruit fruit (C)	(kmd) Cassava, Com (ha) 0.55 (ha) 0.05 (variety) Local, Manel and Bidu, Chong (no.) 4 (no.) 1.588 (no.) 1.588 (no.) 1.588 (no.) 1.588 (no.) 1.588 (kp/ puece) 1500 (kmd) Scondary crops (kmd) Scondary crops (kmd) Scondary crops (no.) PS(5) PpL (12)) (kmd no.) Kundock Tan (1,3(0)/ (kmd no.) BR/Unit(17)	 4. Agroecology and Agroeclimate 4.1 Topoeraphy (configuration of the site) 4.2 Slope 4.3 Almust rainfall 4.4 Annual rainfall 4.5 Climate proc (No. of wet and dry months)* (1) wet months 4.6 Croundwater depth (1) wet months (2) dry months 	(1996) Hilly 10 mou (1996) 15-400 (189) 15-400 (1996) 13-400 (1996) 182 (1996) 182 (1996) 182 (1996) 192 (1996) 100 (1996) 100 (1996	Hilly to mountainous 15-40 400-700 1,939
on bold ruit trees ruit trees fruit fruit fruit fruit	va. Com Manol and Bid dary crops bary crops (21) (27) Jan (1,7)	-4 $+4$ $+4$ $+4$ $+4$ $+4$ $+4$ $+4$ $+$	(1996) Hilly To 7 (%) 15-40 (m) 1.936 (1996) 82 (1996) 82 (1996) 82 (1996) 1.00.4kmonth) 6(Now-/ (100.4kmonth) 6(Now-/ (101-3kmonth) 1.01-3kmonth) 1.01-3kmonth (m) 2 (m) 2 (m) 2 (m) 2	mountainous
ee bold out trees unt trees nut trees nut trees truit truit truit	Va. Com Manol and Bid dary crops dary crops dary crops (27) (27)		(%) [5-40 (m) 400-700 (mm) [3-39 (100,00m0th) 5.2 (no.8tmonth) 6.(Nov-/ (no.8tmonth) 6.(Nov-/ (no.8tmonth) 6.(Jun-St (no.8tmonth) 4.(Jun-St (no.8tmonth) 4.(Jun-St)(no.8tmonth) 4.(Jun-	
oold ee ee ee ee vurnts) f f f f f f f f t f f f f f f f f f f	. Manol and Bid bid vdary crops <u>5) PPL (121)</u> <u>101 (17)</u> Junt (17)		(m) 400-700 (mm) 395 (1990) 82 (no.kmonth) 4 (Jun-Sz (n) 2 (m) 2 (m) 2	
ce Tuit trees Ans. crc.) Ans. crc.) Ans. crc.) Ans. crc.)	. Manol and Bid dary crops s) PPL (121) mpok Tani (1,31 (27) Juni (17)		(mm) 1,936 (type) 82 (no.kenonth) 6 (Nov-/ (no.kenonth) 4 (Jun-X (m) 2 (type) Latowol	
ult trees (() () () () () () () () () () () () ()	. Manol and Bud dary crops <u>5) PPL (121)</u> mpok Tani (1,51) (27) Juni (17)		(1706) 82 (100,64month) 6 (Nov-/ (100,64month) 4 (Jun-So (m) 2 (m) 2 (m) 1 2 100-So	
(() atents) (() atents) (() atents) () () () () () () () () () (dary crops (121) (27) (27) Jan (1,7)		(10,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,	
(() AN, crc.) Anure dev.	dary crops 5) PPL (121) 100k Tani (1.51) (21) Junt (17)		(100.62month) 0 (100-52 (100.62month) 4 (Jun-52 (m) 2 (m) 1 5 (m) 1 5	
() () () () () () () () () () () () () (idary crops 5) PPL (121) npok Tani (1,31 (27) Uni (17)		.(no.&month) 4 (Jun-S (m) 2 (m) 6 1 (type) Latosol	Apr)
() AN. erc.) Inure dev.	dary crops 5) PPL (121) npok Tani (1,51 (21) Unit (17)			cp)
Vicals) AS, etc.) Inure dev.	dary crops 5) PPL (121) mpok Tan (1,31 (27) Jnn (17)	111		
viculs) AN, etc.) Iture dev. fruit		ାର		
AS, erc.) hure dev. fruit		3	1	
AS, erc.) Iture dev. fruit				
hure dev. fruit		-	1	
fruit		5. Narketing		
	·	ΞI	/ 00 / 13	
		- 1	t	Enmore - Collectors - Citos
		5-2 Marketing channel (farmers - collector/ muculeman -	-t-	
Anti-terror Man fac the Tanner Nuclin Conwine		towns - cities - export)		
	Durtan	5.3 Present destination of the croys (local, subdistricts,	(destination) Local and Suranaya	NURSUSYS
	3150	districts, provinces, towns, clines & export)	- 1	
Development land area	1150	5-4 Form of marketed products (fresh - processed)	(state) Fresh	
Short term (up to 2003)	1,100	(Adverses Princientive)	~	
(2) Medium term (2004-200K)	1000	5.5 Markenne channel (farmers - collector/ modileman -	(flow) Farmers	Farmers - Farmers' Croups - Collectors' Wholesalers -
		I.	Towns/ Cities	Cittes
Target production in short-term action program	24W	C. Markener remark (district minutions AND And/or EXDOC)	i (tarects) Surabaya	Ę
2.4 Target productivity per hectare (ton)			i (state) Fresh	
2-5 Vanety recommended	-		t	
ŧ.,	Cassava and Com	6. Post-harvest Mandung		
1		51		
Conversionmer Condition of the Site			T	
1.1 Voint condition to the farmers (no.)	1560	6-2 Processed products	(KING) -	
		(drying, canning, borting, processed products, etc.)		
The row of Allages contention	001	6-3 Capacity of the processing facility	(ton / day) -	
Distance white Flowming Capital Above States 11	10	(Enhuncement Plunning)	1	
Unstance to the Linguist Count Mana 11		6-4 Required post-harvest handling activities	i (kind) Packaging	D.S
		(cleaning, sorting, graditing, processing, packaging, etc.)		
	Aschalr	6-5 Expecting processed products	(kind) Fresh fruit	urt
	60	7. Infrastructure and Facilities	- 1	
	+	8-1 Existing irrigation facilities for upland crops/ fruits	(kind) Pipeline	Procline system by use and opting water
	-	in and around the project site	- 1	
A-10 NOURCE OF GUNKING WART (WEN'S SPILING TIME TIME TO A THE A		8-2 Possible water source for watering	(kind) Spring	

Table K-3 Profile of the Candidate Project Site for Orchard Development in East Java Province (6/8)

Code : EJ(DR)-2 Target Fruit : Durian District : Trenggalek

1. Present Farm Management & Seedling Production (kind) 1-1 Cultivated crops (kind) 1-2 Average landholding size of the farm-household (ha) 1-3 Average cultivation area of the larget fruit free (ha)	4-4-4	4. Agro-ecology and Agro-climate	-1
Present Farm Management & Needing Production 1-1 Cultivated cross 1-2 Average landholding size of the farm-household 1-3 Average cultivation area of the target four tree build for the farmer of the target four tree (1)			1
Cultivated crops Average landholding size of the farm-household Average cultivation area of the target furth free burners of surgets transmitted to be average for the second		4.1 Towaranhy (confirmention of the site)	(type) Helly to mountainous
Average landholding size of the farm-household Average cultivation area of the larger four free bound on a substanced inserts of the larger four free			ľ
Average cultivation area of the target fruit tree	0.39		-
Busicalities automatical increasion of the manual ferrit trans	0.05	ł	
	 Local, Otong 		1
1.5 No. of planted target fruit trees	1437	4-5 Climate type (No. of wet and dry months)*	(MC) A2
	3	(1) wet months	(no.comonth) 12 (Jan-Dec)
Harvest season of the target fruit	s) S	(2) dry months	(no.6emoath) 0
Conversition and and of the first	ce) 1100	4-6 Groundwater depth	
Contrat in tigent price of the start		(1) we months	(E) 25
	V Secondary crobs		(m) 50
Description of stabilized family assessed DDAC and 1	1:	15	(type) (Latosol, Moditerranean and Lithosol
+		S. Marketing	
Evidence of another institution for provining fruit		(Present Market Situation)	
LAISMENCOL DURAUS DECIMINE IN STUDIE 101		5-1 No. of local markets within 50 km circle from the site	(no.) (9
1-14 A test able contrast for third growing (kind) no 1	-		(flow) Farmers - Collectors - Cittes
CAMBRON STORY AND	+	towns - cities - export)	
	Dinas	the crops (local, subdistricts,	(destination) Local and Surabaya
		distants movinees towns rities & exhibit	
Development land area	2,100	C.A. Example to market and under offership recovered)	(state) Fresh
	-1		1-
(2) Medium term (2004-200x) (ha)		(Marketing Frospective)	Partie Connect Connect Collectory Wholesalors
(3) Long term (2009-2018) (ha)		5-5 Marketing channel (Tarmers - collectory modernan -	
2-3 Target production in short-term action program (ton)	x000	- 1	-
2-4 Target productivity per hectare (ton)	×		
2-5 Vanety recommended (vanety	() Otong and Kani	5-7 Form of future market demand (fresh - processed)	(state) Fresh
1) Cassava and Com	6. Post-harvest Handling	
1		(Present Processing Fuculties)	
3. Socio-conomic Condition of the Site			(type) No
_) 4160	6-2 Processed products	(kind) [-
No. of villages concerned	×	(drying, canning, bottling, processed products, etc.)	
Distance to the Provincial capital (Road class I)	200	6-3 Capacity of the processing facility	(ten/day); -
1	F	(Enhancement Planning)	
Distance to the Subdistrict canital (Road class III)	ŀ	6-4 Required post-harvest handling activities	(kind) Packaging
Road class of the road to Subdistrict capital (1, 11 & 111) (Ē	(cleaning, somng, grading, processing, packaging, etc.)	
	al) Compact gravel	6-5 Expecting processed products	(kind) Fresh fruit
Distance to the nearest scaport airport	1-	7. Infrastructure and Pacilities	
A)	to) Yes	X-1 Existing impation facilities for upland crops/ fruits	(kind) Nil
1) Sprink	in and around the project site	
	-	3-2 Possible water source for watering	(kind) Spring

Note : "Schimdt and Ferguson Method Source : Provincial Agricultural Services Office and JJCA Study Team

К - 21

Table K-3 Profile of the Candidate Project Site for Orchard Development in East Java Province (7/8)

Code : EJ(MO)-J Target Fruit : Mango District : Pasuruan

No. Item			(17) 10 (17) 10 (17) 10 (17) 0.25 (17) 0.25 (17) 0.25 (17) 0.25 (17) 0.25 (17) 0.25 (17) 0.43 (10) 1.00 (10) 1.5 (10) 1.5 (10) 1.5 (10) 1.5 (10) 1.6 (10) 1.6 (10) 1.6 (10) 1.6 (10) 1.0 (10) 1.0 (10) 1.0 (150) 1.0 (150) 1.0 (150) 1.0	 (type) Plain (type) Plain (type) C2 (m) 0.22 (mn) 1.0% (type) D (ino dimonth) 7 (May-Nov) (m) 1.5 (m) 2.5
d (kind) (rrees (vanery) (rrees (vanery) (no.) (no.) (no.) (kind)		 Toroussy and the state of the state of a state of the state of the state of a structure (or elevation) Annual ranfall Annual ranfall Annual ranfall Climate rope (No. of wet and dry months) Annual ranfall Climate rope (No. of wet and dry months) dry months dry months dry months dry months dry months No. of local markets within 50 km circle from the site streng channels within 50 km circle from the site ownes - enters - export) Arsent destination of the crops (local, subdisting, districts, provinces, rowns, circle & export) 	(1706) (1	Plain 02 1005 1006 5(Decemper) 5(Decemper) 10 13 Alluvial and Moditerranean 14 Alluvial and Moditerranean 10 14 14 14 14 14 14 14 14 14 14
d (kind) d (ha) (reces (vaney) (mo) (mo) (mo) (knd) (knd) (kin		 1 Iopography (comparation) 2 Stope and Francial 3 Annual rannial 5 Cimate type (the of dry months)ⁿ 5 Cimate type (the of dry months) 5 Cimate type (the of dry months) 6 Groundwater depth (1) wet months (2) dry months (3) dry months (1) wet months (2) dry months (3) dry months (1) wet months (2) dry months (3) dry months (1) wet months (2) dry months (3) dry months (1) wet months (2) dry months (3) dry months (1) wet months (2) dry months (3) dry months (3) dry months (4) months (5) dry months (1) wet months (2) dry months (3) dry months (4) dry months (5) dry months (6) dry months (7) dry months (7) dry months (8) dry months (9) dry months (1) wet months (1) wet months (2) dry months (3) dry months (3) dry months (4) dry months (5) dry months (6) dry months (7) dry months (8) dry months (9) dry months (9) dry months (1) wet months (1) wet months (2) dry months (3) dry months (4) dry months (5) dry months (6) dry months (7) dry months (8) dry months (9) dry months (9) dry months (9) dry months (1) dry months (1) dry months (2) dry months (3) dry months (4) dry months (5) dry months (6) dry months (7) dry months (8) dry months (9) dry months (9) dry months (9) dry months (1) dry months (1) dry months (2) dry months (3) dry months (4) dry months (5) dry months (6) dry months (7) dry mont	((m))	0.2 0.25 0.006 0.006 0.006 0.006 1.5 2.5 2.5 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1
1-1. Average landbriding size of the farm-household (ha) 1-2. Average cultiverision area of the target fruit tree. (ha) 1-3. Average cultiverision area of the target fruit tree. (ha) 1-4. Prevailing cultivated varieties of the target fruit trees. (no.) 1-5. No of planted target fruit trees. (no.) 1-6. Tharvest existion of the target fruit trees. (no.) 1-7. Harvest existion of the target fruit. (no.) 1-8. Current farmeaue price of the fruit. (no.) 1-9. Production right unit2anton (manure & chemicalis) (no.) 1-10. Procurement of seedlings (seed, nuscew, PKAS, etc.) (source) 1-11. Procurement of seedlings (seed, nuscew, PKAS, etc.) (source) 1-12. No. of PPSs and PPLs specialized in horiculture dev. (ha) 1-13. No. of PPSs and PPLs specialized in horiculture dev. (ha) 1-14. Available credit services for fruit growing. (ha) 2-2. Target (protority) fruit (fund no.) 2-3. Target production in the route program (ha) 2-4. Target production for the fareveck for thin growing. (ha) <t< td=""><td></td><td> 2. Slope 3. Slope 4. Altituda (or elevation) 5. Climate type (No. of wet and dry months) 5. Climate type (No. of wet and dry months) 6. Croundwater for the structure of the</td><td>((m)) ((m))) ((m)) ((m)) ((m)) ((m))) ((m)) ((m))) ((m))) ((m))) ((m))) ((m))) ((m))) ((m))) ((m))) ((m))) ((m))) ((m))) ((m)))((m)))((m)))((m)))((m)))((m)))((m)))((m)))((m))((m)))((m)))((m)))((m)))((m)))((m)))((m)))((m)))((m)))((m)))((m)))((m)))((m)))((m)))((m))(</td><td>0.25 10% 0. 0. 0. 0. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1</td></t<>		 2. Slope 3. Slope 4. Altituda (or elevation) 5. Climate type (No. of wet and dry months) 5. Climate type (No. of wet and dry months) 6. Croundwater for the structure of the	((m)) ((m))) ((m)) ((m)) ((m)) ((m))) ((m)) ((m))) ((m))) ((m))) ((m))) ((m))) ((m))) ((m))) ((m))) ((m))) ((m))) ((m))) ((m)))((m)))((m)))((m)))((m)))((m)))((m)))((m)))((m))((m)))((m)))((m)))((m)))((m)))((m)))((m)))((m)))((m)))((m)))((m)))((m)))((m)))((m)))((m))(0.25 10% 0. 0. 0. 0. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
1-2. Average anonomic area of the target fruit free (a) 1-3. Average cultivation area of the target fruit frees (vanety) 1-5. No. of planted target fruit frees (vanety) 1-5. Annual average production in last five years. (no) 1-6. Annual average production in last five years. (no) 1-7. Harvest eaconon of the target fruit. (Rp./ partet) 1-7. Harvest eaconon of the target fruit. (Rp./ partet) 1-7. Harvest eaconon file target fruit. (Rp./ partet) 1-9. Production input unilization (manure & chemicals) (kind) 1-10. Inter-ecopping plant(6) (kind) 1-11. Production input unilization (manure & chemicaliure dev.) (kind) 1-12. No. of callings itsculars instruction for grouping fruit (kind) 1-12. No. of callings itsculars instruction for grouping fruit (kind) 1-12. No. of candidat area (kind) 2-11. Available credit services for fruit growing (kind) 2-12. Target production in stores (kind) 2-13. Sport term (up to 2003) (ha) 2-1 Target production in stores (kind) 2-3. Target production in stores (kind)		 Altitude (or elevation) Amual ranfall (1) water provids. (2) dry months. (2) dry months (2) dry months (2) dry months (3) wet months (4) we months (5) dry months (6) dry months (7) wet months (8) dry months (9) wet months (1) wet months (2) dry months (3) wet months (4) works (5) dry months (6) dry months (7) wet months (7) wet months (7) wet months (8) dry months (9) dry months (1) wet months (1) wet months (2) dry months (3) dry months (4) dry months (5) Present destination of the creps (local, subdistincts, districts, provinces, towns, citles & export) 	(100 (100 (100 (100 (100 (100 (100 (100	1.006 D 5.(Dec-Apr) 7.(May-Now) 2.5 Alluvial and Mediterranean 2.5 Alluvial and Mediterranean 10 Farmen - Collectors - Citiest Exports
 Average cultoration area of the target fruit frees (1 varety) T-A Preventing cultoration area of the target fruit frees (1 varety) T-A nual average production in last free years (1 mo.) T-A Harvest section of the target fruit free years (1 mo.) T-A Durrent farmigate price of the target fruit (1 mo.) T-A Conternant any tublization (frammer & chemicatis) (1 mo.) Conternant farmigate price of the target fruit (1 mo.) T-B Current farmigate price of the target fruit (1 mo.) T-B Current farmigate price of the target fruit (1 mo.) T-B Contennent of seedlings (seed, nursery, PKAS, etc.) (source) T-D Procurement of seedlings (seed, nursery, PKAS, etc.) (source) T-D Procurement of seedlings (seed, nursery, PKAS, etc.) (source) T-D Procurement of seedlings (seed, nursery, PKAS, etc.) (source) T-D Procurement of seedlings (seed, nursery, PKAS, etc.) (source) T-D Procurement of seedlings (seed, nursery, PKAS, etc.) (source) T-D Procurement of seedlings (seed, nursery, PKAS, etc.) (source) T-D Procurement of seedlings (seed, nursery, PKAS, etc.) (source) T-D Procurement of seedlings (seed, nursery, PKAS, etc.) (source) T-D Procurement of seedlings (seed, nursery, PKAS, etc.) (source) T-D Procurement of seedlings (seed, nursery, PKAS, etc.) (source) T-D Procurement Plan for the Target Fruit Growing fruit T-Li A Available credit services for fruit growing fruit T-Li A Available credit services for fruit growing fruit T-Li A Available credit services for fruit growing fruit T-Li A Available credit services for fruit Growing fruit T-Li A Available credit services for fruit growing fruit T-Li A Available credit services for fruit Growing fruit T-Li A Available credit services for fruit growing fruit T-Li A Available credit services for fruit Growing fruit T-Li A Av	L	 A Annual ranriali 5 Cimate type (No. of wet and dry months)* 5 Cimate type (No. of wet and dry months)* (2) dry months (3) dry months (1) wet months (1) wet months (1) wet months (2) dry months (3) dry months (1) wet months (2) dry months (3) dry months (3) dry months (4) months (5) dry months (5) dry months (6) dry months (7) dry months (1) wet months (2) dry months (3) dry months (4) drameters within 50 km circle from the site of local anarkets within 50 km circle from the site of local subdistricts, provinces, towns, circle & export) 	(1000) (100 & 2000) (100 & 2000) (100 & 2000) (100 (100) (10	D Coloc-Apri A (Dec-Apri) (May-Nov) 15 25 Allovial and Modiferranean 26 Allovial and Modiferranean 26 21 Allovial and Modiferranean 26 27 Allovial and Modiferranean 26 27 Allovial and Modiferranean 26 27 Allovial and Modiferranean 26 Allovial and Modiferranean 27 Allovial and Modiferranean 26 Allovial and Modiferranean 27 Allovial and Modiferranean 26 Allovial and Modiferranean 27 Allovial and Modiferranean 26 Allovial and Allovial and Allovial 27 Allovial and Allovial 28 Allovial Allovial and Allovial 28 Allovial Allovial Allovial 29 Allovial Allovial 20 Allovial Allovial 20
1.4 Prevailing cultivated varieties of the target ruli (recs. (no.) 1.5 No of planed target fruit (no.) 1.5 Harvest existion of the target fruit (no.) 1.7 Harvest existion of the target fruit (no.) 1.7 Harvest existion of the target fruit (no.) 1.7 Harvest existion of the target fruit (no.) 1.9 Current farmgate price of the fruit (no.) 1.9 Production inflammon (manure & chemicalis) (kn/d) 1.10 Procurement of seedings (seed, nursery, PKAS, etc.) (source) 1.11 Procurement of seedings (seed, nursery, PKAS, etc.) (source) 1.12 No. of PPSs and PPLs specialized in horiculture dev. (ho.) 1.11 Procurement of seedings (seed, nursery, PKAS, etc.) (source) 1.12 No. of PPSs and PPLs specialized in horiculture dev. (ho.) 1.11 Procurement of seedings (seed, nursery, PKAS, etc.) (source) 1.12 No. of PPSs and PPLs specialized in horiculture dev. (ho.) 1.13 No of PPSs and PPLs specialized in horiculture dev. (ho.) 1.14 Available credit services for fruit growing (ho.) 2.1 Target (pronory) fruit (ho.) 2.2 Production frem (up to 2003) (ha.)		 Climate type (No. of wet and dry months)* (1) wet months (1) wet months (1) wet months (2) dry months (1) wet months (2) dry months (2) dry months (3) dry months (4) wet months (5) dry months (1) wet months (2) dry months (3) dry months (4) wet months (5) dry months (1) wet months (2) dry months (3) dry months (4) dramatic dry months (5) dry months (6) dry months (7) dramatic dry months (7) Markent dramation of the crops (local, subdistincts, districts, provinces, towns, cities & export) 	((100 K month)) (no.K month)) (no.K month)) (m) (m) (m) (m) (m) (m) (m) (m) (m) (0 1 (May-Nov) 1 (May-Nov) 15 25 25 21 21 21 21 21 21 21 21 21 21
1.5 No. of planted target fruit trees. (no.) 1.6 Annual average production in last frie years. (no.) 1.7 Harverage production in last frie years. (Rp./ prete) 1.9 Production input unitization (manure & chemicals) (kind) 1.10 Inter-ecopoing plant(6) (kind) 1.11 Production input unitization (manure & chemicals) (kind) 1.12 No. of secilings itsculated intervery. PKAS. etc.) (sind) 1.11 Production input unitization (manure & chemicaliure (etc.) (kind) 1.12 No. of secilings itsculated in horticuluure dev. (no.) 1.13 Strustence of nucleus tristution for grouping fruit (kind) no.) 1.12 No. of secilings itsculated frait Grewing (kind) no.) 1.13 Available credit services for foriti growing (kind) no.) 1.14 Available credit services for foriti growing (kind) 2.1 Target froution for growing (kind) 2.1 Target froution for growing (ha) 2.2 Target froutin frout errecein (pro to 2003)		 wet months dry months dry months Groundwater depth uwet months dry months dry months dry months dry months arreting Not of local markets within 50 km circle from the site Not of local markets within 50 km circle from the site National constant constraints Antering channels within 50 km circle from the site Antering channels within 50 km circle from the site Antering channels within 50 km circle from the site Antering channels within 50 km circle from the site 	(10.62.month) (10.62.month) (11.02.month) (1	5 (Loc-Apr) 2 (May-Nov) 25 26 Alluvial and Moditerranean 16 10 Farmen - Collectors - Citiest Exports 14 June Surabasis of Exports
1-6 Annual average production in last five years (mon) 1-7 Harvest section of the target fruit (mon) 1-8 Current fampate price of the target fruit (RpL preco) 1-9 Current fampate price of the target fruit (kmd) 1-10 Inter-cropping plant(e) (kmd) 1-11 Production in secolings (secd, nursery, PKAS, etc.) (kind/ no.) 1-12 No. of PPs as precising from the target in horticulture dev. (kind/ no.) 1-12 No. of PPs as precising from the target in horticulture dev. (kind/ no.) 1-12 No. of PPs as precising from the target in horticulture dev. (kind/ no.) 1-12 No. of PPs as precising from the target in horticulture dev. (kind/ no.) 1-13 Exitence of nucleus trutturin for proving fruit (kind/ no.) 1-14 Available credit services for fruit growing (kind/ no.) 2-1 Target production in store. (kind/ no.) 2-3 Target production in store. (kind/ no.) 2-4 Target production in store. (kind/ no.) 2-5 Vancet recommended (ton) 2-6 Plaintis) recommended (ton) 2-6 Plaintis) recommended (ton) 2-6 Plaintis) recommended (ton)		 (2) dry montis (2) dry montis (1) wet montis (1) wet montis (2) dry montis (2) dry montis (2) dry montis (3) dry freentis (3) dry freeting channel (farmers - collector/ middleman - (1) Nartiering channel (farmers - collector/ middleman - (1) Nartiering channel (farmers - collector/ middleman - (1) Nartiering channel (farmers - collector) middleman - (2) Present destination of the crops (local subdistricts, provinces, towns, cities & export) 	(no.6.month) (m) (type) (type) (fov) (fov)	7 (May-Nov) 15 25 Allovial and Moditerranean Allovial and Moditerranean Parmen - Collectors - Critics Exports Letters Surabasis of Exports
1-7 Harvest seaton of the target fruit (months) 1-8 Current farmgate price of the fruit (months) 1-9 Producent nput ultanon (manure & chemiculs) (kind) 1-10 Producent nput ultanon (manure & chemiculs) (kind) 1-11 Producent nput ultanon (manure & chemiculs) (kind) 1-12 No, of PPss and PPLs specialized in horiculuric dev. (no) 1-13 Extrement of seedings (seed, nursery, PKAS, etc.) (source) 1-14 Available of relative function (function) (kind) no) 1-15 Extrement farmet fruit Growing, fruit (kind) no) 2-1 Target (protocity) fruit (no) 2-3 Target production from the fractane (no) 2-4 Target production from the fractane (no) 2-5 Valency recommended (no) 2-6 Plantis) recommended to be inter-copped (kind) 2-6 Plantis) recommended (no) 2-7 No. of candidate partocipant farmers (no) <td></td> <td> (2) any months (3) any months (1) remonths (2) dry months (2) dry months (2) dry months (3) Soil type arketing (3) Not focal markets within 50 km circle from the site (4) Not focal markets within 50 km circle from the site (5) Not focal markets within 50 km circle from the site (5) Not focal markets within 50 km circle from the site (5) Present destination of the crops (local, subdistricts, districts, provinces, towns, circle & coport) </td> <td>(m) (m) (m) (m) (m) (m) (m) (m) (m) (m)</td> <td>15 25 Allovial and Moditerranean 10 Farmen - Collectors - Citical Exports Lidvaria Surabaska or Exports</td>		 (2) any months (3) any months (1) remonths (2) dry months (2) dry months (2) dry months (3) Soil type arketing (3) Not focal markets within 50 km circle from the site (4) Not focal markets within 50 km circle from the site (5) Not focal markets within 50 km circle from the site (5) Not focal markets within 50 km circle from the site (5) Present destination of the crops (local, subdistricts, districts, provinces, towns, circle & coport) 	(m) (m) (m) (m) (m) (m) (m) (m) (m) (m)	15 25 Allovial and Moditerranean 10 Farmen - Collectors - Citical Exports Lidvaria Surabaska or Exports
1-3. Targets price of the fruit (Rp/ precel) 1-3. Production input unitization (manure & chemicals) (kind) 1-10. Inter-ecopoing plant(6) (kind) 1-11. Production input unitization (manure & chemicals) (kind) 1-12. No. of PPSs and PFLs specialized in horinolluric dev. (no.) 1-12. No. of PPSs and PFLs specialized in horinolluric dev. (no.) 1-12. No. of seclings (sectal nurser). PKAS. etc.) (sind) 1-12. No. of seclings (sectal nurser). PLOS. etc.) (sind) 1-13. Norusitable credit services for four growing (kind/ no.) 1-14. Available credit services for four growing (kind/ no.) 1-14. Available credit services for four growing (kind/ no.) 2-1 Target production for growing (kind/ no.) 2-1 Target production in short-erm action program (ha) 2-3. Target production in short-erm action program (ton) 2-4. Target production in short-erm action program (ton) 2-5. Vanety performed to be inter-ecopped (kind) 2-6. Plaintis) recommended (ton) 2-7. Noner term up for Site (ton) 2-6. Plaintis) recommended (ton) <td< td=""><td></td><td> Le Groundwater depin (1) wet months (2) dy months (3) dy months (4) dy months (5) dy months (7) dy months (7) dy months (8) dype (9) dype (9) dype (10) dype</td><td>(m) (m) (m) (m) (m) (m) (m) (m) (m) (m)</td><td>15 25 Allovial and Moditerranean Allovial and Moditerranean Parmen - Collectors - Critest Exports Libraria Surahana of Exports</td></td<>		 Le Groundwater depin (1) wet months (2) dy months (3) dy months (4) dy months (5) dy months (7) dy months (7) dy months (8) dype (9) dype (9) dype (10) dype	(m) (m) (m) (m) (m) (m) (m) (m) (m) (m)	15 25 Allovial and Moditerranean Allovial and Moditerranean Parmen - Collectors - Critest Exports Libraria Surahana of Exports
1-8 Current farmgate for continue of the content (annual per unitation) 1-3 Forcurement of secolings (sect, nursery, PKAS, etc.) (kind) 1-11 Procurement of secolings (sect, nursery, PKAS, etc.) (source) 1-12 No. of PFss and PPLs specialized in horitculour dev. (kind) 1-13 Existence of nucleus institution for proviping fruit (kind) no.) 1-14 Available credit services for fruit growing (kind no.) 1-14 Available credit services for fruit growing (kind no.) 1-14 Available credit services for fruit growing (kind no.) 2-1 Target fromovity fruit Growing (kind no.) 2-1 Target fromovity fruit Growing (ha) 2-3 Target productivity per hectare (ha) 2-4 Target productivity per hectare (ton) 2-5 Vancy recommended (ton) 2-6 Plaintis) recommended (ton) 2-6 Plaintis) recommended (ton)		 wet mentis ady months ady months anketing anketing No. of local markets within 50 km circle from the site No. of local markets within 50 km circle from the site No. of local markets within 50 km circle from the site No. of local markets within 50 km circle from the site No. of local markets within 50 km circle from the site No. of local markets within 50 km circle from the site No. of local markets within 50 km circle from the site No. of local within 50 km circle from the site No. of local within 50 km circle from the site 	(11) (11) (11) (11) (11) (11) (11) (11)	25 Alluvial and Moditerranean 10 Farmen - Collectors - Critest Exports Letters Surahard, or Exports
1-9 Production input unitization transmic extrements 1-10 Inter-cropping pirtunitization transmic extrements 1-11 No. of PPSs and PPLs specialized in horitoulure dev. 1-12 No. of PPSs and PPLs specialized in horitoulure dev. (kind) no.) 1-13 Existence of nucleas unstantion for grouping fruit (kind) no.) 1-13 Existence of nucleas unstantion for grouping fruit (kind) no.) 1-14 Available credit services for four growing (kind) no.) 1-15 Existence of nucleas unstantion (kind) no.) 1-16 Exousting farmers (for furit growing (kind) no.) 1-17 Expect (prionicy) fruit (kind) no.) 2-1 Target (prionicy) fruit (kind) no.) 2-1 Target (prionicy) fruit (kind) no.) 2-1 Target (prionicy) fruit (ha) 2-3 Target production in short-term action program (no.) 2-4 Target production in short-term action program (no.) 2-5 Valerly recommended (no.) 2-6 Plaintis) recommended to be inter-cropped (kind) 2-6 Plaintis) recommended to be inter-cropped (no.) 3-6 Plaintis) recommended to be inter-cropped (no.)		 (2) dry months 1-7 Soil type arketing recent Murker Signation) recent Murker Signation 1-No of local markers within 50 km circle from the site 1-No of local markers within 50 km circle from the site 1-No of local markers within 50 km circle from the site 2-Amarketing channel (farmers - collector/ middleman - iownis - circle scientific comparison) 3-Present destination of the crops (local subdistricts, districts, provinces, towns, circle & coonst. 	(1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,	Allovial and Modiferranean 10 Farmen - Collectors - Crites' Exports Latura Surahava of Exports
1-10 Intercooping plant(s) (auser) 1-11 Procurement of seedings (seed, nusery, PKAS, etc.) (source) 1-12 Extracted an Prelignes (seed, nusery, PKAS, etc.) (source) 1-12 Extracted an Prelignes (seed, nusery, PKAS, etc.) (source) 1-12 Extracted an Prelignes (seed, nusery, PKAS, etc.) (source) 1-12 Extracted an Prelignes (seed, nusery, PKAS, etc.) (source) 1-13 Extracted an producting fraution (or grouping fraution) (had) 1-13 Extracted fraut fraut (Growing (kindd) 1-14 Available credit services for four growing (kindd) 2-1 Targent (gronovity) fruit (kindd) 2-2 Development land area (ha) 2-3 Targent gronovity) fruit (ha) 2-4 Target production in shor-term action program (ton) 2-5 Vancery recommended (vanery) 2-6 Plaintis) recommended (ton) 2-6 Plaintis) recommended (ton) 2-7 Noney candidate participant framers (no)		 P. Soil type arketing recent Market Staution) recent Market Staution Nor of local markets within 50 km circle from the site Narketing channel (farmers - collector/ middleman Narketing channel (farmers - collector/ middleman Areactic destination of the crops (local, subdistricts, districts, provinces, towns, circle & expont) 	(1996) (100) (destination)	Ational and include the and and the second s
1-11 Procurement of seedlings (seed, nursery, PKAS, etc.) (source) 1-12 No. of PFss and PPLs special information (source) (source) 1-12 Extranece of nucleus trutturin (for the proving fruit (kind/ no.) 1-14 Available credit services for fruit growing. (kind/ no.) 1-14 Available credit services for fruit growing. (kind/ no.) 1-14 Available credit services for fruit growing. (kind/ no.) 2-1 Target production that the fruit Growing. (kind/ no.) 2-1 Target production (areal areal (ha) 2-1 Target production (areal areal (ha) 2-3 Target production (areal areal (no.) 2-4 Target production (areal areal (no.) 2-5 Vancy recommended (un) 2-6 Plaintis) recommended (ton) 2-6 Plaintis) recommended (no.)		arketing event Market Struation) (1) No. of local markets within 50 km circle from the site (2) Marketing channel (farmers - collector/ middleman - (2) Present destination of the crops (local, subdistricts, districts, provinces, towns, cities & export)	(10w) (10w) (destination)	10 Farmen - Collectors - Crites' Exports Lateran Surahava or Exports
1-12 No. of PPSs and PPLs specialized in hericulture dev. (m0.) 1-1.13 Extrements of mucleux structure for fouring fruit (kind/m0.) 1-14 Arrowing interversion for fronting from the proving interversion for fouring extrements. (kind/m0.) 1-14 Arrowing interversion for fouring extrements. (kind/m0.) 2-1 Target (priority) fruit (kind/m0.) 2-2 Target (priority) fruit (kind/m0.) 2-3 Target production in the fourier (kind/m0.) 2-3 Target production in the fourier (kind/m0.) 2-4 Target production in the fourier (m0.) 2-5 Valency recommended (m0.) 2-6 Plaintis) recommended to be inter-cropped (kind/m0.) 2-6 Plaintis) recommended to be inter-cropped (m0.) 3-6 Plaintis) recommended to be inter-cropped (m0.)	A	 Aurker Stragmon) No. of local markers within 50 km circle from the site Marketing channel (farmers - collector/ middleman - towns - cirtes - export) Present destination of the crops (local, subdistricts, districts, provinces, towns, cirtes & export) 	(100) (100) (destination)	10 Farmen - Collectors - Critest Exports Lational Surahard, or Exports
1-1.3 Existence of nucleus tristitution for prouping fruit (kind/ no.) 1-1.4 Available for the structs for fruit growing. (kind/ no.) 1-1.4 Available for the structs for fruit growing. (kind/ no.) Development Plan for the Target (priority) fruit. (kind/ no.) 2.1 Target (priority) fruit (kind/ no.) 2.2 Development land area (kind/ no.) 2.3 Target (priority) fruit (kind/ no.) 2.4 Target production in short-term action program (kind) 2.5 Target production in short-term (kind) 2.6 Plaints) recommended (kind) 2.6 Plaints) recommended to be inter-cropped (kind) 2.6 Plaints) recommended to be inter-cropped (kind) 2.6 Plaints) recommended to be inter-cropped (kind)		 An official markets within 50 km circle from the site 1.2 Marketing channel (farmers - collector/ middleman - towns - cites - export) Areant destination of the crops (local, subdistricts, districts, provinces, towns, cites & export) 	(no.) (flow) (destination)	10 Farmen - Collectors - Crites' Exports Latura Surahava of Exports
Till Available credit services for fauit growing (kind/no.) Development Plan for the Target Fruit Growing (kind/no.) Development Plan for the Target Fruit Growing (kind/no.) 2-1 Target groonvy/fruit (kind/no.) 2-1 Target groonvy/fruit (kind/no.) 2-1 Target groonvy/fruit (kind/no.) 2-1 Target groonvy/fruit (kind/no.) 2-3 Short term (up to 2003) (ha) (i) Short term (up to 2003) (ha) 2-3 Target production in short-term action program (no) 2-4 Target production in short-term action program (no) 2-5 Vancy, recommended (uon) 2-6 Plaintis) recommended (kind.) Socio-economic Condition of the Sife (no.)			(flow) (destination)	Farmers - Collectors - Citics' Exports Let are Surabaya or Exports
1-14 Available credit services for fruit growing (kind no.) Development Plan for the Target Fruit Growing (kind no.) 2-1 Target (priority) fruit (kind sei 2-2 Development Plan for the Target Fruit Growing (kind sei 2-3 Target (priority) fruit (kind sei 2-3 Target (priority) fruit (kind sei 2-3 Target production (2004-2018) (ha) 2-4 Target production (2004-2018) (ha) 2-5 Vancty recommended (un) 2-6 Plantis) recommended to be inter-cropped (kind)			(destination)	latura Surahava or Exports
1: recomment Plan for the Target Fruit Growing (xind) 2: 1 Target (priority) fruit (xind) 2: 2: Development land area (xind) 2: 3: Development land area (xind) 2: 1 Target (priority) fruit (xind) 2: 2: Development land area (xind) 2: 1 Target (priority) fruit (xind) 2: 2: 1 Target production in short-term action program (xin) 2: 1 Target production in short-term action program (xin) 2: 4 Target productivity per hectare (xin) 2: 5 Variety recommended (xin) 2: 6 Plaintis) recommended (xin) 2: 1 No. of candidate participant farmers (xin)			(destination)	lakarta Surahava or Exports
Development Flam for the Larger Four Viewing, (kind) 2-1 Targer (priority) fint (kind) 2-1 Development land area (kind) 2-1 Development land area (kind) 2-1 Development land area (kind) 2-2 Development land area (kind) 2-3 Medium term (2004-2008) (ha) 2-4 Target production in short-errate (ton) 2-5 Vancy recommended (ton) 2-6 Plantis) recommended (kind) Socio-economic Condition of the Sife (no) (no)			(Ocsination)	
2-1 Target (priority) fruit (a) 2-2 Development land area (b) 2-2 Development land area (b) 2-3 Short lang (a) (2004-2008) (a) (b) (b) (b) Long term (2004-2008) (ha) (c) Medium term (2004-2008) (ha) (c) Long term (2004-2018) (ha) 2-3 Target production in short-term action program (no) 2-4 Target production in short-term action program (no) 2-5 Vancty recommended to be intra-cropped (kind) 2-6 Plantis, recommended to be intra-cropped (kind) Secto-economic Condition of the Site (no)				
2.2.2 Development land area (1a) (1) Short term (up to 2003) (1b) (1) Short term (up to 2003) (1a) (2) Medium term (2005-2018) (1a) (3) Long term (2005-2018) (1a) (3) Long term (2005-2018) (1a) (3) Long term (2005-2018) (1a) (4) Joint term (2005-2018) (1a) (5) Target production in short-term action program (1a) 2.3 Target production in short-term action program (1an) 2.4 Target productivity per hectate (1an) 2.5 Varcey recommended (1an) 2.6 Plaintis) recommended (1an) Socio-economic Condition of the Sife (1an) Socio-economic Condition of the Sife (1an)		Т	· · · · · · · · · · · · · · · · · · ·	
(1) Short term (up to 2003) (1) (1) (2) Medium term (2004-2008) (1a) (2) Medium term (2004-2018) (1a) (3) Target pooluction to \$500-2018) (1a) 2.3 Target production to \$500-2018) (1a) 2.4 Target productivity per hectate (10n) 2.5 Vancty recommended (10n) 2.6 Plaint(s) recommended (1a) 2.6 Plaint(s) recommended to be inter-copped (1kind) 3.1 No. of candidate participant farmers (00.)			(state)	Fresh and Processed
(2) Medium term (2004-2008) (ha) (3) Long term (2009-2018) (ha) 2.3 Target production in short-term action program (no) 2.4 Target productivity per hectare (1001) 2.4 Target productivity per hectare (1001) 2.5 Vancy recommended (1001) 2.6 Planits) recommended to be inter-cropped (1001) 2.6 Planits) recommended to be inter-cropped (1001) 3.1 No. of candidate participant farmers (1001)	5		-	
2.3 Target production in short-term action program (ha) 2.4 Target production in short-term action program (ton) 2.4 Target productivity per hectare (ton) 2.5 Varcty recommended (ton) 2.5 Varcty recommended (ton) 2.6 Planits) recommended (ton) 2.6 Planits) recommended to be inter-cropped (tind) 2.6 Planits) recommended to be inter-cropped (tind) 3.1 No. of candidate participant farmers (no.)		31	1 000 1	Farmers - Farmers' Groups - Collectors' Wholesaler-
2.3 Target production in short-error action program (1001) 2.4 Target production in short-error action program (1001) 2.4 Target production in short-error action program (1001) 2.5 Vancty recommended 2.6 Planits) recommended 2.6 Planits) recommended to be inter-cropped (101) 2.6 Planits) recommended to be inter-cropped (141d) Secto-economic Condition of the Site (00.)	_	5-5 Marketing channel (tarmers - collector/ micurcitian -	╀	Toursel Proves
2.3 Target production in short-term action program (101) 2.4 Target productivity per hectare (101) 2.5 Vancy recommended (xanciv) 2.6 Plant(s) recommended (xinciv)		TOWTIS - CILLES - EXPORT)		I DWIN CIUCS - LADARS
2.4 Target productivity per hectate (100.) 2.5 Varcy recommended (varcy) 2.6 Plantis) recommended to be inter-cropped (kind.) 2.6 Plantis) recommended to be inter-cropped (kind.) 2.6 Plantis) recommended to be inter-cropped (no.) 3.1 No. of candidate participant farmers (no.)].	5.6 Markenne tarret (district province, city and/or export)	(targets)	L'EXPORTS
2.5 Vancyr recommendod (vancry) 2.6 Planits) recommendod to be inter-cropped (kind) 2.6 Planits) recommendod to be inter-cropped (kind) 3.6 Planits) recommendod to be inter-cropped (kind)		1	<pre>(state) </pre>	Fresh and Processed
2-6 Plant(s) recommended to be inter-cropped (kind) Socio-economic Condition of the Site (00.) 3-1 No. of candidate participant farmers (00.)				
2-0 Flamits) recommenders to on many repro- Socio-economic Condition of the Site 3-1 No. of candidate participant farmers (00.)	6	Post-harvest Handling		
Secto-economic Condition of the Nite 3-1 No. of candidate participant farmers (100.)		(Present Prucessing Facilities)	t	
Socio-economic Condition of the Nife 3-1 No. of candidate participant farmers (no.)		6-1 Existing processing facilities of the target that	╏	
No. of candidate participant farmers		6-2 Processed products	(XIDG)	
	I_			
(20,)		6-3 Canacity of the processing factury	(ton/day)	
(km)		1		
3-4 Distance to the District capital (Road class II) (km) 15		Annual content of statements/	(kind) i	i Cleaning / Sorting / Grading / Packaging
1.4 Distance to the Subdistruct cabital (Road class [1]) (km) [3				
2. Distance of the condition S. (M) effects capital (1, 1) & 11(1) (class) [1]		- 1		Pried funt / Juce
Now trass of the loss to the second so Cubdice of Party and a Cubdice of the second so Cubdice o		6-5 Expecting processed products	t	
	1 4	Infrastructure and Facilities		
Distance to the nearest scaport airport	.	8.1 Existing imigation facilities for upland crops/ fruits	(Kind)	Choondwater development project of while bails
	Ţ		-	
3-10 Source of drinking water (well, spring, river, etc.) (kind) Well	Ī	v. 7 Descible water course for water 02	(kind)	Croundwater
1	l	t		
	1			

Note : "Schimdt and Ferguson Method Source : Provincial Agricultural Services Office and JICA Study Team Table K-3 Profile of the Candidate Project Site for Orchard Development in East Java Province (8/8)

Code: EJ(SK)-1 Target Fruit: Salak District: Malung

at Farm Management & Needling Production Culturated stops Average landholding size of the farm-household Average cultivation area of the target fruit trees Prevailing cultivated varieties of the target fruit trees Annual average production in last five years Annual average production in last five years Harvest season of the target fruit Current farmgate price of the fruit	 (kind) Sugarcane. Com and Banana (ha) 0.47 (ha) 0.15 (ha) 0.15 (ranetry) Suwaru (ranetry) Suwaru (ranetry) 3.486 (nonths) 4 (kind) 3.486 (kind) Bean (source) 2600 (source) Seen (source) Seen 	 4. 1 Agro-ecology and Agro-climate 4.1 Topography (configuration of the site) 4.2 Note 	-
	Sugarcane. Com and J 0.47 0.15 0.15 Suwaru 8.1900 7.486 2.000 2.2000 Manure and Compost Manure and Compost Seed	 4.1 Topography (configuration of the site) 4.2 Niope 	-
Current stores tryips Average entitivation area of the farm-household Average entitivation area of the target fruit trees Prevailing collivated varieties of the target fruit trees No. of planted average production in last five years. Harvest season of the traget fruit Gurrent farmgate price of the fruit Current farmgate price of the fruit	0.47 0.15 Suwaru 881.909 881.909 2.5000 4 Anure and Compost Seed		
Average and/otions size of the target front recession Average colivation area of the target front trees No. of planted target front mess. Annual average production in last five years. Harvest season of the target front Current farmgate price of the front			
Average currivation area or the target front trees Prevailing cultivated vanctus of the target front trees No of planted varentes of the target front trees Annual average production in lust five years Harvest season of the target front Current farmgate price of the front			(m) 100-1.000
reventing contrast durates from these No. of planted target from these Annual average production in last five years Harvest season of the target fruit Current farmgate price of the front		1	(mm) 1.775
No. or planied arger mon next Annual average production in last five years Harvest season of the target thui Current farmgate price of the frout		1	(ivpe) B2
Annual average production in lust rive years. Harvest season of the target fruit. Current farmgate price of the fruit.		L	(no.&month) 7 (Oct-Apr)
Harvest season of the target fruit Current farmgate price of the fruit		(2) dry months	(no.@month) 4 (Jun-Sep)
		łã	
		L	(E) - (S)
Production input unitzation (mailure & chemicus)	- 1		ļ
mucrectopping prantical		4-7 Sol type	(type) Altuvial, Mediterranean and Kegosol
Procurement of would be seen at soon, pursues a convertence of a state of other and BDI a second seed in horizoid in the day.		H. S. Marketing	
t	KID (4)	5-1 No. of local markets within 50 km circle from the site	(no.) 15
proving latitudes (Actionized) and AVD, etc.) (kind/mo.)		1	(flow) Farmers - Collectors - Towns/ Cities
Area and the fact the fact of the fact the second s	+-	towns - citics - export)	
	/ Lind 1 Salak	i 5.3 Present destination of the crops (local, subdistricts,	(destination): Local, Surabaya and Jakarta
	Ŧ	districts, provinces, towns, cines & export)	
VCIODINCACIONO ALCA		5-4 Form of marketed products (fresh - processed)	(state) Fresh
		13	
Medium term (2004-2008)		4.5 Maetering channel (tarmers - collector/ middleman -	(flow) Farmers - Farmers' Groups - Collectors' Wholesalery -
-			L
3 Target production in short-term action program (ton)			Lateration California Lateration
2-4 Target productivity per hectare (ton	n) 10	1	- †
2.5 Vanety recommended	iery) Suwaru, Pondoh	5-7 Form of future market demand (fresh - processed)	(state) irtesu
Ł	nd) Bean and secondary crops	6. Post-harvest Handling	
	-	(Present Processing Facilities)	
Vacio-economic Condition of the Site		 6-1 Existing processing facilities of the target fruit 	(type) No
Ders	(no.) 5660	6-2 Processed products	(kind) -
No. of villages concerned	(uo.) 9	(drying, canning, botting, processed products, etc.)	
control (Road class I)	(km) k0	6-3 Capacity of the processing facility	(ton/day) -
Distance to the District capital (Road class 11)	1	(Enhuncement Planning)	
Ceremon to the Subdistrict Contral (Road class 11)	(km) 13	6-4 Required post-harvest handling activities	(kind) Cleaning / Grading / Packaging
Good stars of the road to Subdistrict cardial (1-1) & [1]]	(Class) 111	i (cleaning, soming, grading, processing, packaging, etc.)	
Doed condition of the road to Subdistruct conital	F	6-5 Expecting processed products	(kind) Sweets (Dodol / Manisan)
Distance to the nearest searched atmost	4-	7. Infrastructure and Facilities	
Elsomitation	a	8-1 Existing imgation facilities for upland crops/fruits	(kind) Watering facilities by pumping-up groundwater
- Course of detailing under (undel services along along)	(knd) i Well	in and around the project site	•
CONCO OF STRUCT A MORE A MORE STRUCT TO STRUCT A MORE	1	8-2 Possible water source for watering	(kind) Croundwater
		L	

Note : "Schimed and Ferguson vieuwe Source : Provincial Agricultural Services Office and JICA Study Team

Table K-4 Profile of the Candidate Project Site for Orchard Development in South Sulawesi Province (1/15)

SS(AV)-1 Avocado Gowa Code : Target Fruit : District :

<u>- 13 2 4 2 4</u>	Present Farm Management & Seedling Production		_	4	Agno-ecology and Agro-climate	_	
<u>1114</u>	Culturated crops	(kind)	Paddy, Com, Vegetable	Ī	4-1 Topography (configuration of the site)	(2626)	Hilly to mountainous
	Average landholding size of the farm-household	(tha)	0.97	Ï	4-2 Slope	(સુ)	20-40
4 5 4	Average cultivation area of the target fruit tree	(pa)	0.1	Ē	L	(E)	1,000 • 1,200
× 4	Prevailing cultivated varieties of the target fruit trees	(vanetv)	(variety) - Local Mentega	ſ	44 Annual rainfall	(WW)	12.2.44
	No. of planted target fruit trees	(00)	275107	1-	4-5 Climate type (No. of wet and dry months)"	(type)	- B2
	Annual average production in last five years	(ton)	16.040	1	(1) wet months	(no.k.month	(unr-vont) % (Nov-Jun)
	Harvest season of the target fruit	(months)	e. –	Ţ,		(no.kmonth	(no.&month) 2 (Aug-Sept)
×-1-	Current farmgate price of the fruit	(Kp./ piece)	1 100 - 500	<u> </u>	4-6 Groundwater depth		
1	Production input utilization (manure & chemicals)	(pup)		Ī	() wet months	(m)	1.5
07-1	I 1	(kind)	 Corn, Mungbean, Second crops 	–	(2) dry months	(m)	10
=	Procurement of seedings (seed, nursery, PRAS, etc.)	(source)	Į	Γ	4-7 Soil type	(type)	· Latosol, Mediteranean, Yellow red pudzulic
11 	No. of PPSs and PPLs specialized in horriculture dev.	(10.)	PPS (2) / PPL (88)	vi 	Marke		
Ē	E	(kind/no.)	(kind/no.) Kelompok Tani (776) /	Γ	(Present Market Situation)		
	growing farmers (Kelompok Tani, KUD, etc.)		KUD (30) / Kjosk (776)	ľ	5-1 No. of local markets within 50 km circle from the site	(10.)	8
1-14	Available credit services for fruit growing	(kind/no.)	L	Г	5-2 Markenne channel (farmers - collector/ muddleman -	(10 m)	Farmer - Collectors - Towns/ Crites
2. Devel	Development Plan for the Target Fruit Growing		÷	Г	E.		
	Target (priority) fruit	(kind)	Avocado		5-3 Present destination of the crops (local, subdistricts,	(destination	(destination) Local and Ujung Pandang
2-7	Development land area	(ha)	1500	Γ	districts, provinces, towns, cities & export)		
	 Short term (up to 2003) 	(ha)	500	[5-4 Form of marketed products (fresh - processed)	(state)	Fresh
	(2) Medium term (2004-2008)	(43)	- 00\$		(Marketing Prinspective)		
	(3) Long term (2009-2018)	(P4)	500	[]	5-5 Marketing channel (farmers - collector/ middleman -	(flow)	Famer - Famers' Groups - Collectors/Wholesalers -
57	Target production in short-term action program	(ton)	3000	-	towns - crites - export)		Towns/ Ottics - Inter-regions
4 4	Target productivity per hectare	(ton)	9	Ī	5-6 Markeing targer (district, province, city and/or export)	(targets)	Ujung Pandang
i N	Variety recommended	(variety)	Mentega		t I	(state)	Fresh
9 73 73	. Plant(s) recommended to be inter-cropped	(kind)	Com. Peanut and Mungbean	ة 	Post-harvest Handling		
					(Present Processing Fucilities)		
3. Socio-	Socio-economic Condition of the Site				6-1 Existing processing facilities of the target fruit	(type)	No
1-1	3-1 No. of candidate participant farmers	(100')	1580		6-2 Processed preducts	(kund)	
3-2	No. of villages concerned	i (no.)	14		(drying, canning, bottling, processed products, etc.)		
	Distance to the Provincial capital (Road class I)	(km)	00		6-3 Capacity of the processing facility	(ton/day)	
1	Distance to the District capital (Road class II)	(km)	23	Ē	(Enhuncement Plunning)		
3-5 -	Distance to the Subdistract capital (Road class [11)	(km)	3	•	6-4 Required post-harvest handling activities	i (kind)	Cleaning / Sorting / Grading / Packaping
9	Road class of the road to Subdistrict capital (I, I) & [II]	() (class)	IU		(cleaning, sorting, grading, processing, packaging, etc.)		
3-7	Road condition of the road to Subdistrict capital	(material)	Asphalt		6-5 Expecting processed products	(kind) Juice	Juice
3	Distance to the nearest scuport/ airport	(km)	0.	*	Infrast		
6- 	Electrification	(yes or no)	Yes		8-1 Existing impanon facilities for upland crops/ fruits	(kund)	12
91-10	Source of drinking water (well, spring, river, etc.)	(kind)	Spnng		in and around the project site		
				Ē	8-2 Possible water source for watering	(kind)	Spring
				Г			

Source : Provincial Agricultural Services Office and JICA Study Team

Table K-4 Profile of the Candidate Project Site for Orchard Development in South Sulawesi Province (2/15)

SS(AV)-2 Avocado Soppeng Code : Code : District : Code : Code

the second of the second of the farm-household Cultivated crops Cultivated crops Cultivated state of the farm-household Average sundholding size of the farm-household Average cultivated variences of the target fruit free Prevailing cultivated variences of the target fruit free No. of plated target fruit free No. of a second that free years Harvest season of the target fruit Current farmgate prece of the fruit Production input utilization (manure & chemicals)	shew uut. Local mango & Secondary crops o	 Agro-ecology and Agro-climate 4.1 Towaranhy (confrontation of the site) 	((vyc) Roling to hilv
d als)	shew nut. Local mango & Secondary crops 6	5	
Cultivated crops Average landtholding size of the farm-household Average landtholding size of the taget fruit free Prevaling cultivation waterlies of the target fruit frees No. of planted target fruit frees. Annual average production in last free years. Annual average production in last free years. Production ringut grute proce of the froit Current farmgate proce of the froit	shew nut. Local mango 6		
Average landholding size of the farm-household Average cultivation area of the target fruit tree Prevaiing cultivated varients of the target fruit mess No. of planted target fruit trees No. of planted average production in last five years. Harvest season of the target fruit Current farmgate proc of the fruit Production input utilization (manure & chemicals)	1.16		Į
Average cultivation area of the target fruit tree Frevaling cultivated varieties of the target fruit mess No. of planted target fruit mess Annual average production in last frive years Annual average production in last fruit Curren farmgate price of the fruit Production input utilization (manure & chemicalis)			
Prevailing cultivated varieties of the larget fruit frees No. of planted target fruit frees. Annual average production in last free years. Annuel average proce of the fruit Current farmgate proce of the fruit Production input unitration (manure & chemicalis).	0.1		ľ
No. of planted target fruit trees Annual average production in last five years Harvest season of the target fruit Current farmgate price of the fruit Production taput utilization (manure & chemicals)		-	-
Annual average production in last five years Harves season of the target fruit Current farmgate price of the fruit Production input utilization (manure & chemicals)	848	4-5 Climate type (No. of wet and dry months)	
Harvest scason of the target fruit Current laringate proc of the fruit Production input utilization (manure & chemicals)	1 24	(1) wet months	(no.comonth) 9 (NoV-Jul)
Current farmgate price of the froit Production taput utilization (manure & chemicals)		(2) dry months	(no.czmoath)(1 (Sepi)
Production input utilization (manure & chemicals)	1000	4-6 Groundwater depth	
		(1) wel months	(8):4
	Com Despirt and Msinghoan		(m) 5
	Card Card	1	(type) Regosol, Mediterranean
·	PPS (3.1 / PPI, (136)	S. Markoting	
	Kalomock Tani (864) /	1~	
	-+-	5-1 No. of local markets within 50 km circle from the site	{ no } ; 8
Krowing Latitudes (Activitions Latit, A device)		5-2 Markenny channel (farmers - collector/ muddleman -	(flow) Farmer - Collectors - Towns' Cities
		Т	
Development Plan for the Target Fruit Growing		NUMIR - CIMAS - CAPARIY	(dectrostion)) Anal
2-1 Target (prionty) fruit (kind)	Avocado	usuacts.	
2-2 Development land area (ha)	2250		
1	500	5-4 Form of markered products (fresh - processed)	(state) Presh
Medutim terms (2004-2008)	750	(Murketing Prospective)	-
-1 And Term (2000-2018)	0001	5-5 Markenng channel (farmers - collector/ middleman -	(flow) Farmer - Farmers' Groups - Collectors/Wholeshers -
	(00)2	towns - cities - export)	Towns/ Cines - Inter-regions
		5.6 Markeing target (district, province, city and/or export)	(targets) Ujung Pandang
	+	5.7 Form of future market demand (fresh - processed)	(state) Fresh
Variety recommended	Munusa Com Deseut and Minerhean	ļĘ	
2-110pped		12	
	20	6.1 Existing processing facilities of the target trust	(ivpe) No
1		L	(kind)) -
No. of Villages concerned			
NUMBER OF TO YOUR PROVINCIAL CAPITAL (NOAU CRASS 1)		6-3 Canacity of the processing facility	(ton/day)] -
		15	
		6-4 Required post-harvest handling activities	(kind) Cleaning / Sorting / Grading / Packaging
1) Asobalt / Hotmix		
		6-5 Expecting processed products	(kand) Juice
Distance to the rearch seapont at port		15	
	Vones Vones	2	(kund) [Ni]
		1	
		8-2 Possible water source for watening	(kind) Spring

Source : Provincial Agricultural Services Office and JICA Study Team

Table K-4 Profile of the Candidate Project Site for Orchard Development in South Sulawesi Province (3/15)

SS(MO)-1 Mango Sidenreng Rappang Target Fruit : District : Code :

		1 J American and Astro-timate	-
 Letter the second second		4. Agrocoust and Artematic	
111	· bind · Gaaaaa Biish	4.) Topography (configuration of the site)	(type) Plain to rolling
11	ſ	4-2 None	(本) 10-15
Ł	1	1	(m) 0.500
Ł	(ha) 0.4		Ť,
1-4 Prevailing cultivated varieties of the target fruit frees	(variety) Local, Lanabu, Sukku, Arumanis	- i	
	(no.) 51440	4-5 Climate type (No. of wet and dry months)	
	(ton) 3.604	(1) wet months	(no.&month) 0 (Nov-Dec / March-Jun)
	5	(2) dry months	·(no.&month) 2 (Aug-Sep)
	/ Do / procest 400	4-6 Groundwater depth	
		L	: (m) :10
- 1	- † -		
1-10 Inter-cropping plant(s)	+	15	(twee) Alluvial, Recosol, and Yellow red podzolic
1-11 Procurement of seedlings (seed, nursery, PRAS, cic.)	~		i.
1-12 No. of PPSs and PPLs specialized in horiculture dev.			
1-13 Existence of nucleus institution for grouping fruit	(kind/ no.) Kelompok Tani (471) /	ş	e
anowing farmers (Kelompok Tani, KUD, etc.)	KUD (25) / Klosk (70)		
1.14 Available credit services for fruit proving	(kind/ no.) BR) Unit (25)	5-2 Marketing channel (farmers - collector/ middleman -	(flow) Farmers - Collectors - 1 OWIS
And the factor for the Towned Wante Constitute		i towns - cities - export)	
21	Chad V - Manua	5.3 Present destination of the emps (local, subdistrats,	(destination); Local
1		districts, provinces, towns, clucs & export)	
	-	5.4. Earn at markered and litts (fresh - processed)	(state) Fresh
	·		t
(2) Medium term (2004-2008)	(ha) 1000	SI.	Summer Summer Comment Whether Stee
(3) - Lone term (2009-2018)	(ha) 1000	5-5 Marketing channel (Tarmiers - collectory micoleman -	
2.1 Tareet modureion in short-term action program	(ton) 5000		-1
Т	(ton) 10	5-6 Markeing target (district, province, city and/or export)	i itargets) Ujung Pandang
	1	1 5-7 Form of future market demand (fresh - processed)	(state) Fresh and Processed
		6. I Post-harvest Mandling	
	╈	<u>ت</u> ا.	
Socio-economic Condition of the Ske	1	A 1 Current and describe of the target faut	I True No
1	1		Ť.
3-2 No. of villages concerned	- 1		
ł÷.	(km) 120	(drying, canning, bottling, processed products, etc.)	
2.4 Distance to the Dismer capital (Road class 1)	(km) 25	6-3 Capacity of the processing facility	(ton/day); -
[(km) 5	(Enhancement Planning)	-
	(class) 111	6-4 Required post-harvest handling activities	(kind) Cleaning / Sorung / Grading / Packaping
	/ morenoi 1 / Asnhalt	(cleaning, soming, grading, processing, packaging, etc.)	
		6-5 Expecting processed products	i (kind) Dreid fruit
Listance to the nearest semport unport	1:	15	
	(hind) Voing / Dildr	Τ.	(kind) Nd
10 Source of drinking water (well, spring, nycr, ctc.)			
			1 / Lind > Croundwater
		A-2 POSSIDIC WAICT SOURCE TOT WAICTURE	- 6

Note : "Schindt and Perguson Method Source : Provincial Agricultural Services Office and JICA Study Team

Table K-4 Profile of the Candidate Project Site for Orchard Development in South Sulawesi Province (4/15)

Code : SS(MO)-2 Target Fruit : Mango District : Majene

Present Farm Management & Seedling Freduction (kind.) Secondary crops, Bana 1-1 Cultivated crops (kind.) Secondary crops, Bana 1-3 Average cultivated crops (ha) 0.67 1-3 Average cultivated scops. (ha) 0.67 1-4 Provaling cultivated varietes of the target fruit tree (ha) 0.47 1-5 Average cultivation area of the target fruit (no.) 19445 1-5 Manual average production in last five years (no.) 1.324 1-7 Harvest season of the target fruit (mo) 1.324 1-7 Harvest season of the target fruit (kind.) 3.(Nov. Dec -Jan) 1-8 Current farmgate production in last five years (no.) 1.324 1-9 Production input unlitation (manue & chemicals) (kind.) 3.(Nov. Dec -Jan) 1-10 Inter-eropholy glant(s) Manue (scolings (secd. nusery, PRAS, etc.) (yind.) 2.544 1-11 Procurrenci escifican institutute dev. (no.) 1.324 (kind.) 2.534594. 1-10 Inter-eropholy glant(s)	nana. Mango.) / KUD (11) /	 Agree-ecology and Agree-climate 4.1 Topography (configuration of the site) 4.2 Xingue 4.3 Xingue 4.4 Annual rainfait 4.5 Climate type (No. of wet and dry months)* 4.5 Climate type (No. of wet and dry months)* 4.6 Cnoundwater depth (1) wet months 4.6 Groundwater depth (2) dry months 5. Markeng for months 5. Markeng foundman 5. No. of local markets within 50 km circle from the site 5. Markeng chanter 	(1ype) Rolling to h (9) 10-15 (9) 10-15 (9) 10-20 (1ype) D 22 (100.&month) 3.14i-Sep) (100.&month) 3.14i-Sep) (100.&month) 3.14i-Sep) (100.0 1-2 (100.) 1-	(type) Rolling to hilly (%) 10-15 (m) 10-15 (m) 10.00 (m) 1.000-2.100 (most) 1.300-2.100 (most) 1.300-2.100 (most) 1.400-2.100 (most) 1.400-2.100 (most) 1.410-50 (most) 1.412-50 (m) 1-2 (m) 1-2 (m) 1-2 (mpc) 1.120-001 and Mediterranean
d (kind) (frees (ka) (frees (ka) (frees (ka) (frees) (frees) (frees) (kind) (k	ana, Mango 0)/KUD (11) /	41 42 43 44 45 45 45 45 45 45 45 45 45 45 45 45	(1000) (1000) (1000) (1000) (1000) (1000) (1000) (1000) (1000) (1000) (1000) (1000) (1000) (1000) (1000)	Rothing to hilly 10-15 10-25 10-25 1-300-2,100 1-300-2,100 0 (Nov-Apr) 0 (Nov-Apr) 1-2 1-2 1-2 1-2 1-2 1-2
d (kind.) (rites (kan) (rites (kan) (no.) (kind.) (k	0)7KUD(11)/	4-5 4-5 4-5 4-5 4-7 10 10 10 10 10 10 10 10 10 10 10 10 10	((%) ((m)) ((no.&month)) ((no.&month)) ((no.&month)) ((no.&month)) ((no.(m)) ((no.)) ((no.))	10-15 40-70 1-200-2,100 0.86v-4pr) 3.(Jui-Sep) 3.(Jui-Sep) 1-2 1-2 1-2 1-2
old (ha) cc (ha) uttrees (ac.i) (ac.i) (ac.i) (for) (ac.i)	6 0)/KUD((1)/	4-5 4-6 4-5 4-5 4-7 1975,9000 1975,9000 1975,9000 1975,9000 1975,9000 1975,9000 1975,9000 1975,9000 1975,9000 1975,9000 1975,9000 1975,9000 1975,9000 1975,9000 1975,9000 1975,90000 1975,90000 1975,900000000000000000000000000000000000	(m) (mn) (mn) (mn) (mn) (mn) (mn) (mn) (40-70 1-300 - 2.400 D.&L E D.&L E 3.400-Sep 3.400-Sep 1 - 2 1 - 2 Lithosol and Mediterrarean
ce (ha) ut trees (vanety) (con) (con) (months) (kp/ prese) (kind) (kind) (kind) (kind) (kind) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (kind) (kin	6 0 7 X UD (11) /	45 44 45 45 45 45 47 7 851 7 851 851 851 851 851 851 851 851 851 851	(mm) (me.&month) (ne.&month) (no.&month) (m) (m) (type)	1.900 - 2. (0) D.e.E. 6 (Nov-Apr) 3 (Jui-Sep) 1 - 2 1 - 2 Lithoool and Meditermanean
utt trees (varety) utt trees (no.) (no. i) (no. i) (motion) (motion) (motion) (motion) (kg/ prese) (kind) (kind) (kind) (row) (kind) (ha) (ha) (ha) (ha) (motion) (kind) (kind) (kind)	6 07XUD(11)/	44 45 46 47 8-7 5-1 5-1 5-1 5-1	((100 & month) ((no & month) ((no & month) (m) (m) (m) (m) (m)	D.& E 6 (Nov-Apr) 3 (Jul: Sep) 1 - 2 3 - 5 Lithosol and Mediterrarean
(100.) (1	0) XUD ((1) /	4.5 4.6 4.7 Marker [Prevent	((no.&month)) (no.&month)) (no.&month)) (m) (m) (m) (m) (m) (10)	6 (Nov-Apr) 6 (Nov-Apr) 3 (Jui-Sep) 1 - 2 3 - 5 Lithosol and Mediterranean
(kno) ((R)/prese) ((R)/prese) ((knd) (knd) (knd/no) (ha) (knd/no) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha	/KUD ((1)/	4-6 4-6 Marko 7-1 5-1 5-1	((no.&month) ((no.&month) (m) (m) (m) (m) (m)	o (Nev-Apr) 3 (Jui-Sep) 1 - 2 J - 5 Lithoool and Mediterranean
(100.) (100.) neals) (8p./prese) //S. etc.) (8p./prese) // (9p./prese) (8p./prese) // (100.) (9p./prese) // (100.) (100.) // (100.) (100.) // (100.) (100.) <td< td=""><td>/KÜD (11)/</td><td>4-6 4-6 Marko 1/Prexem 5-1 5-1</td><td>(ino.&month) (m) (m) (m) (m) (m) (m)</td><td>3 (Jui-Sep) 1 - 2 3 - 5 Lithosol and Mediterrarean</td></td<>	/KÜD (11)/	4-6 4-6 Marko 1/Prexem 5-1 5-1	(ino.&month) (m) (m) (m) (m) (m) (m)	3 (Jui-Sep) 1 - 2 3 - 5 Lithosol and Mediterrarean
(months) (kp/picce) (kp/picce) (kind) AS, etc.) (kind) (kind) (truit (kind) (ho.) (ind) (ha) (kind) (ha) (ha) (ha) (ha) (ha) (ha) (kind) (ha) (kind) (ha) (kind) (ha) (kind) (kin	/KUD((1)/	4-6 4-7 Mackor (Preven		1 - 2 3 - 5 Lithosol and Mediterranean
(Rp/Prese) Italis) (kmd) (kmd) (kmd) (kmd) (kmd) (kmd/no.) (kmd/no.) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (mo) (ha) (ha) (ha) (mo) (ha) (mo) (ha) (mo) (mo) (mo) (mo)	7 KÜD ((1) /	4-7 4-7 Markov (Prexem		۱۰2 ۲۰۶۶ Lithosol and Meditemanean
itenis (kind) itenis (kind) (kind) (kind) (fruit (source) (fruit (source) (init) (init) (init) (init) (init) (init) (init) (source)	7K0D (11)/	4-7 Marko 5-1 5-1 5-2		3-5 Lithosoi and Mediterranean
AS, etc.) (kind) AS, etc.) (source) Iture dev. (no.) (Truit (kind/no.) (i) (kind/no.) (i) (kind/no.) (i) (kind/no.) (ii) (kind/no.) (iii) (kind/no.) (ind) (ha.) (ind) (ha.) (ind) (ind.) (ind) (ind.) (ind) (ind.) (ind.) (ind.) (ind.) (ind.)	/KUD (11)/	4-7 Marko (Prexen 5-1 5-1	(100.)	Lithosol and Mediterrarean
AS, etc.) (source) liture dev. ((no.) (frut. (kind/ no.) (kind/ no.) (kind/ no.) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (kind/ no.) (kind/ no.)	/ KUD ((1) /	4-7 Marko (Presen 5-1 5-1	(type) (00.)	LITDOSOI and Medicertarycan
As, etc.) (source) (trut: (co.)) (trut: (kind) no.) (trut: (kind) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha	7K0D (11)/	Marker (Presen 5-1 5-2	(100.)	
Iture dev. (me.) (Truit (kend/ no.) (i) (kend/ no.) (kend/ no.) (kend/ no.)	/KUD (11)/	(Preven) 5-1 5-2	(100.)	
(frute (kend/ no.) (kend/ no.) (kend/ no.) (ha) (ha) (ha) (ha) (ha) (an) (ta) (ta) (ta) (ta)	-	5-1 No. of local markets within 50 km circle from the site 5-2 Marketing channel (farmets - collector) middleman - 5-2 marketing channel (farmets - collector) middleman -	(100.)	
(; (kind/ no.) (kind/ no.) (ha) (ha) (ha) (ha) (no) (no) (van(y) (xind)			()000)	\$
(kind/no.) (kind) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha				Farmers - Colloctors - Towns
(kind) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha				
(kind) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha				
Target (proof(x)) fruit Target (proof(x)) fruit Development land area (ha) Development land area (ha) (2) Modium term (p(0) 2003) (ha) (2) Long term (p(0) 2003) (ha) (3) Long term (2004-2018) (ha) (3) Long term (2004-2018) (ha) (3) Long term (2004-2018) (ha) Target production in short-term action program (no) Target productive per hectore (no) Vancty recommended to be inter-cropped (kind)		5-3 Present destination of the crops (local, subdistricts,	(destination): Local	LOCAL
Development land area (ha) (1) Short term (100 to 2003) (ha) (3) Mostium term (2004-2008) (ha) (3) Long term (2004-2008) (ha) (3) Long term (2006-2018) (ha) (3) Long term (2009-2018) (ha) Target production in short-term action program (no) Target productive in thort-term action program (no) Variety productive in theretore (tron) Variety productive in the heretore (tron)		districts movinces towns, cittes & export)		
(1) Short term (up to 2003) (ha) (2) Medium term (2004-2008) (ha) (3) Long term (2004-2018) (ha) (4) Larget productivity per hectate (no) Target productivity per hectate (non) Plant(s) recommended to be inter-scropped (kind)		4 Example and another (fresh - Drocessed)	<pre> (state)</pre>	Fresh
(2) Medium term (2004–200k) (ha) (3) Long term (2009–201k) (ha) (3) Long term (2009–201k) (ha) Target production in short-term action program (ha) Target productive in short-term action program (no) Target productive per hectoric (non) Target productive per hectoric (non) Variety recommended to be inter-eropped (kind)				
(3) Long term (2009-2013) Target production in short-term action program Target production in short-term action program Target productivity per hextarc Target productivity per hextarc (an) Variety 1 Variety 1 Variety 1 (kind)		SI.	1 1000	Farmers - Farmers' Grouns - Collectors' Wholesalers -
Target production in short-term action program (100, 1) Target productivity per hectoric (100, 1) Variety recommended (100, 1) Plantisi recommended to be inter-cropped (1, kind 1)		5-5 Markeling channel (Tarmers - could that and the	Ł	10144-440:000
Jarget production in more repractive program (1001) Target production in more repractive (1001) Plantis recommended to be inter-cropped (1xind)		(owns - critics - export)	-	intervention 1
1 arget productivity per nectore (variety) Variety recommended be inter-cropped (variety) Plantis) recommended to be inter-cropped (variety)		5-6 Markeing target (district, province, city and/or export)	_	LOCAL AND UJUNE L'ADMANY
Variety recommended (Variety) (Variety) Plant(s) recommended to be inter-cropped (Aind)		5.7 Form of future marker demand (fresh • processed)	i (state)	Presh and Processed
Plant(s) recommended to be inter-cropped (kind)		A Dart-harvest Mandling		
		L.		
Socio-economic Condition of the Site		Creater Processing a summary	(Noe)	No
1-1 No. of candidate participant farmers (no.) 500-550			- And -	
(10.)	Tube)	6-2 Processed products		
Street of the Diministral Andred (Dood Alnes () (Km)		(drving, canning, botting, processed products, cic.)		
		6-3 Capacity of the processing facility	1 (TON / CAV) I	
╎		(Enhuncement Planning)	_	
Distance to the Subdistrict capital (Koad class (11) / XIII)		6-4 Required post-harvest handling activities	(kind)	Cleaning / Soming / Grading / Packaging
		(cleaning, sorting, grading, processing, packaging, ctc.)		
cr capital 1 (mulerial)		6.5 Princting processed products	(Kind)	Dried fruit
Distance to the nearest seaport/ airport (km)		1		
(ves or no)		_	(kind)	Nil
3-10 Source of drinking water (well, spring, river, etc.) (kind) Well/Spring/Kiver	/ Kiver	L		
		v.) Dosethle water course for watering	(kind)	River and Croundwater

Note : "Schimdt and Ferguson Method Source : Provincial Agricultural Services Office and JICA Study Team

Table K-4 Profile of the Candidate Project Site for Orchard Development in South Sulawesi Province (5/15)

Code : SS(MO)-3 Target Fruit : Mango District : Bone

	i (Unit) ; Description	<u>8</u>	Item	1 (1997)	riondu X20
			A demonstrate and Agro-climate		
Present Farm Management & Seedling Production	1		-	(1vpc)	i Plaus
1-1 Cultivated crops) Uncondt. Cashew hut.		1	(- 0 - 2
1-2 Average landholding size of the farm-household	(ha) 1.17			(W	0-100
1-3 Average cultivation area of the target fruit free			- 1	, <u> </u>	1 0 V
	(variety) Arumanis, Manalagi, Gadung, Golck.	k.			1. (). (). (). (). (). (). (). (). (). ()
	Lanabu, Sukku		4-5 Chimate type (No. of wet and dry months)		
1.5 No of planted target thus trees	i (ao.) 369347		(1) wet months	(no. Cmonth)	1 10 (NOV-AUE)
E	(ton) 32,168	ſ	(2) dry months	(no.exmonth)) I (Sep]
	2		4-6 Groundwater depth		
	I(Kp./ Diece)! -		(1) wet months	Ê	4
	(kind) -		(2) dry months	Ê E	0
	(kind) Peanut, Corn, Mungbean		4-7 Soil type		, weatterranean
	(source) Nursery	vi			
	· · ·		(Present Murket Situation)	-	
•	(kind/ no.) Kelompok Tani (280) /		5-1 No. of local markets within 50 km circle from the site	-	
	KUD (39) / Kiosk (247)		5-2 Marketing channel (farmers - collector/ middleman -	(MO[1)	Famers - Collectors - LOWIN CITICS
1-14 Available credit services for fruit growing	(kind/ no.) BRI Unit (22)		towns - cities - export)	-	
			5-3 Present destination of the crops (local, subdistracts.	(destination)))) Local. Ujung Pandang and Naumantan
2-1 Tareet (nitority) faut	(kind) Mango		districts, provinces, towns, cities & export)		
	1-	ľ	5.4 Form of marketed products (fresh - processed)	(state)	L Fresh
1	(ha) 500		(Marketing Prospective)		
	ŀ		5-5 Marketing channel (farmers - collector/ muddleman -	(flow)	Farmers - Farmers Ciroups - Collectors' Wholevalers
1	1-		towns - citics - export)		: Towns/ Citics - Inter-regions
ŝ	(ton) 7500		5-6 Markeing target (district, province, city and/or export)	Ĩ	I Ujung Pandang
	i (ton) 15		5-7 Form of future market demand (fresh - processed)	(state)	I Presh and Processed
	i (vanety) i Anumanis	¢	Post-harvest Handling		
2.6 Plant(s) recommended to be inter-cropped	(kind) Peanut, Corn and Mungbean		(Present Processing Fucilines)		
14			6-1 Existing processing facilities of the target fruit	(sype)	- X0
3-1 No. of candidate barricipant farmers	(no.) 666		6-2 Processed products	(Kind)	
Ł	†-		(drying, canning, bottling, processed products, etc.)	_	
	(km) 180		6-3 Capacity of the processing facility	(ton / day)	
11	(km) 40		(Enhuncement Plunning)		
3-5 Distance to the Subdistrict capital (Road class III)	(km) 17		6-4 Required post-harvest handling activities	(kind)	Cleaning / Sorting / Urading / Packaging
1	(class) 1	Γ	(cleaning, sorting, grading, processing, packaging, etc.	_	
	(material) Asphalt / Hotmix		6-5 Expecting processed products	(kind)	Dred fruit
1	(km) 15	7.	Infrast		
	(ves or no) Yes		X-1 Existing impation facilities for upland crops/ fruits	(kend)	
1			in and around the project site		
	-		8-2 Possible water source for watering	(kind)	Groundwater
			L		

Source : Provincial Agricultural Services Office and JICA Study Team

Table K-4 Profile of the Candidate Project Site for Orchard Development in South Sulawesi Province (6/15)

Code : SS(MO)-4 Target Fruit : Mango District : Maros

		Description	.02	Item	/mo/	in the second
				A severation and Agro-climate	-	
Present Farm Management & Seedling Production	-t			t Tomoraphy (configuration of the site)	(udvu)	Plain to Undulating
1-1 Cultivated crops		tanana, Papaya ana push		Т	(25)	0.2
1-2 Average landholding size of the farm-household	-		+ · 		(a)	50-150
1-3 Average cultivation area of the target fruit tree	(ha) 0.5		* - -		(mm)	2.062
1	(vanery) Arumanis and Gadunt	and Gadung			1 1111	E B
	(no.) 50334		4	of wet and dry months/-		
Т	(100.) 63.038			(1) wet months	(Inc.comon.in)	
	5		Ľ	(2) dry months	(mnom2,0n)	4 (JUR-2002)
Harvest season of the univertinut	12		[4	4-6 Groundwater depth		
	Nor here's 1000		I T	L	ê)	10
	╉	Contract Descent	 		(E)	15
1-10 Inter-cropping plant(s)	-ł		ľ		(IVDC)	Latosol, Mediterranean, Andosol, Lithosol
1-11 Procurement of seedlings (seed, nursery, PRAS, etc.)	지			Marketine		
1-12 No. of PPSs and PPLs specialized in horriculture dov.		rn (V/)				
nit	(kind/ no.) Kelompok Tani (452)		발 T	event returned summary	(00.)	6
erowing farmers (Kelompok Tani, KUD, etc.)	KUD (15) / Kiosk (24	/ Kiosk (248)	1 1	1	(molt)	Farmers - Collectors - Towns/ Cites
	(kind/ no.) BRI Unit (5)	5)	<u>^</u>	5-2 Marketing channel (Tarmers - concetor) Hilloukillau		
1.5				towns - cities - export)		
1 Transart (amonth) finit	(kind) Mango		v î	-3 Present destination of the crops (local, subdistricts.	I (destination): Local	LOCAL
	ŀ		I_ 	districts, provinces, towns, citics & export)		
ŝ	1		Ľ T	5-4 Form of marketed products (fresh - processed)	i (state)	Fresh
	1		ľ	(Murketing Prospective)		
· [ľ	.5 Marketing channel (farmers - collector/ middleman -	(10m)	Farmers - Farmers' Croups - Collectors/ Wholesalers -
(3) Long term (2009-2018)	1		: _ T	(Autrie - Armar)		Towns/ Crites - Inter-regions
2-3 Target production in short-term action program	(tot)		1 T		(TAFECIS)	Utune Pandang
2-4 Tarret productivity per hectare	(ton) 5		'l' T		/ ctate /	- Fresh and Processed
2-5 Vanery recommended	(variety) Animanis					
2.6 Plant(s) recommended to be inter-cropped	(kind) Upland pac	Upland paddy. Com and Cassava	2 • 	Post-harvest mandung		
13			<u>६</u>	₹l		N.
3.1 No of conductate namicinant formers	(no.) + 819		¢			
	(no.) 14		<u>ୁ</u>	6-2 Processed products	(KH00)	
	(km) 40		L	(drying, canning, bottling, processed products, etc.)		
	t		ピ ۲	6-3 Capacity of the processing facility	(ton / day)	
· 1	╞		3	Enhuncement PlummR)	_	
L	Γ		°	6-4 Required post-harvest handling activities	(kind)	Cleaning / Sorting / Grading / Packaging
- 1			 	(cleaning, soming, grading, processing, packaging, ctc.)	•••••	
			ſ	6-5 Expecting processed products	(kind)	Dred fruit
				12		
3-9 Electrification	(yes or no) 1 tes			8.1 Pristing impation facilities for upland crock fruits	(kind)	IN I
3-10 Source of drinking water (well, spring, river, etc.)	(Kind) WCIL/KIVCI	icr.	1 T	н		
			² 		(kind)	i Groundwater
			<u>ן</u> ד	Det LOSSING March MARCH MARCH		

Note : *Schimdt and Perguson Method Source : Provincial Agricultural Services Office and JICA Study Team

Table K-4 Profile of the Candidate Project Site for Orchard Development in South Sulawesi Province (7/15)

Code : SS(MO)-5 Target Fruit : Mango District : Wajo

-	
Ξ.	
∍	
75	
2	
•	

No.	(Unit) [Insection	NO.		
1. Present Farm Management & Seedling Production		4. Agro-ceology and Agro-climate		
	(kind) Cashew nut, Com and Peanut	4-1 Topography (configuration of the site)	(type) Rolling to hilly	
Average Isndholdrow cive of the farm-boundhold	1.45	4-2 Slope	(%) 8-30	
Average minimum are of the target full tree	Ĩ	1	(m) 25-50	
Prevailing cultivated varieties of the target finit trees	E	4-4 Annual raiofall	(mm) 1,430	
No. of blanted career from mees	+-	4-5 Climate type (No. of wet and dry months)	(type) B2	
Anoual average moduction in last five years	t	(1) wet months	(no.&month)! & (Nov-Dec. Feb-Jul)	
Harvest season of the target fruit	ŝ	(2) dry months	(no.&month) 2 (Sep-Oct)	
Current farmeate price of the fruit	(Rp./ prece): 500	4-6 Groundwater depth		
Production information (mature & chemicals)	(kind) 1 •	(1) wet months	(m) 20	
inter-cropping-plant(s)	(kind) Cashew nut and Cocoa	(2) dry months	- (m) 30	
Procurement of seedlings (seed, nursery, PRAS, etc.)	t_	4-7 Soil type	(type) Mediterranean, Grumosol, Alluvial	uvial
-	(no.) PPS (2) / PPL (53)	S. Marketing		
1-	(kind/ no.) Kelompok Tani (317) /	(Present Market Situation)		
erowine farmers (Kelombok Tani, NUD, etc.)	KUD (15) / Kiosk (336)	5-1 No. of local markets within 50 km circle from the site	(no.) 9	
	- (kind/ no.) - BRI Unit (10)	5-2 Marketing channel (farmers - collector/ middleman -	(flow) Farmers - Collectors - Towns/ Cities	Citics
onment Plan for the Target Pruit Growing		towns - cities - export)		
	(kind) / Mange	5.3 Present destination of the crops (local, subdistricts,	(destination) Local	
Development land area	(ha) i 2250	districts, provinces, towns, cities & export)		
(1) Short term (up to 2003)	(ha) 500	5.4 Form of marketed products (fresh - processed)	(state) Fresh	
Medium term (2004-2008)	(ha) 750	(Marketing Prospective)		
Long term (2009-2018)	(ha) 1000	5-5 Marketing channel (farmers - collector/ middleman -	(flow) Farmers - Farmers' Groups - Collectors' Wholesalers -	Collectors/ Wholesa
action program	(ton) 5000	IOWINS + CITIES - EXPORT)	Towns/ Cities - Inter-regions	
	(ton) 10	5-6 Markeing target (district, province, city and/or export)	(targets) Ujung Pandang	
	(vanery) ' Arumanis	5-7 Form of future market demand (fresh - processed)	<pre>{ state) Fresh and Processed</pre>	
Plant(s) recommended to be inter-cropped	(kind) Peanut and Mungbean	6. Post-harvest Handling		
Socio-economic Condition of the Site		(Present Processing Facilities)		
3-1 No. of candidate participant farmers	(no.) 543	6-1 Existing processing facilities of the target fruit	(type) No	
No. of villages concerned	(no.) 3	6-2 Processed products	(kind) -	
3-3 Distance to the Provincial capital (Road class I) I ((km) 1X0			
Distance to the District capital (Road class II)	(km) / 30	6-3 Capacity of the processing facility	(ton/day) -	
3-5 Distance to the Subdistrict capital (Road class [H]) ((km.) 5	(Enhancement Planning)		
Road class of the road to Subdistruct capital (1, 11 & 111)	(class)	6-4 Required post-harvest handling activities	(kind) Cleaning / Sorung / Grading / Packaging	Packaging
\sim	material) : Asphait	(cleaning, sorting, grading, processing, packaging, etc.)	-	
	(km.) 40	6-5 Expecting processed products	(kind) Dhod fruit	
	(yes or no) No	7. Infrastructure and Facilities		
king water (well, spring, nver, etc.)	(kind) Well	8-1 Existing impation facilities for upland crops/ fruits	(kind) [Ni]	
			· · · · · · · · · · · · · · · · · · ·	
		X-2. Possible water source for watering	(kind) Groundwater	
			_	

Note : -Schmdt and Yerguson Method Source : Provincial Agricultural Services Office and JICA Study Team Table K-4 Profile of the Candidate Project Site for Orchard Development in South Sulawesi Province (8/15)

SS(MN)-1 Mangosteen Tana Toraja Code : Target Fruit : District :

		4. Agro-ccology and Agro-climate	~ -
Present Karm Management & Seedling Production	-t	1	(type) Kolling to hilly
1-1 Cultivated crops	it, wood trees and	1	(4) 10-15
1-2 Average landholding size of the farm-household	(ha) 0.6		, / m) 1 300 - 800
1	(ha) 0.2	- 1	Ì.
Ł	(variety) / Local	4-4 Annual rainfail	ł
1	t	4-5 Climate type (No. of wet and dry months)*	
		(1) wet months	i(no.&mon(h); 9(Oct-Jun)
		Е	(ho.kkmonth); 0
1-X Current farmoute price of the fruit	(Rp/ piece) .400		
1	(kind) Manure and compost		1
	(kind) Com and Bean	(2) dry months	
5	-	4-7 Soul type	(TYDE) ICHOW RELITORATION
- 1	1	S. + Marketing	
1-12 No. of PPSs and PPLs specialized in norticulture gev.	_		
1-13 Existence of nucleus institution for grouping stuit		C No Alassi madare surpline SO km mercle from the Site	(no.) 17
growing farmers (Kelompok Tani, KUD, etc.)	I KUD (18) / Kiosk (71)	1	/ flow 1 Harmers - Callectors - Towns/ Citics
1-14 Available credit services for fruit growing	(kind/ no.) BRJ Unit (8)	5-2 Marketing channel (Tarmers - collectory micureman	t
		towns - citics - export)	
	(kind) Mangosteen	5-3 Present destination of the crops (local, subdistricts,	I (destination) Local
	ŧ	districts, provinces, towns, cines & export)	Ť
2-2 Development land area	ľ	5.4 Form of marketed products (fresh - processed)	(state) Fresh
(1) Short term (up to 2003)		13	
	-1	(marketing renning renner)	(flow) Farmers - Farmers' Conups - Collectory Wholesalers -
(3) Long term (2009-2018)	(ha) 1000		ŀ
	(ton) 3750	- 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	(ton) X		(Interio
- 1	(variery) Local	5-7 Form of future market demand (fresh - processed)	
	T	6. Post-harvest Handling	
2-6 Plant(s) recommended to oc inter-cruptice	+-	(Preven	
Nocio-economic Condition of the Nike	122 \ 1316	6-1 Existing processing factilities of the target fruit	(type) No
3-1 No. of candidate participant farmers	╈	1	(kind) -
3-2 No. of willages concerned	(ПО.) 4	1	
3.3 Distance to the Provincial capital (Road class 1)			(ton / dav): •
3-4 Distance to the District capital (Road class 11)	(km) 30		
[(km) 5	5.	(2. or) Chaning / Sorting / Grading / Packaging
Ŧ	{ class) 11[6-4 Required post-harvest handling activitues	t
		(cleaning, sorting, grading, processing, packaging, ctc.)	-†
1	⊢	6-5 Expecting processed products	(kind) Tresh Irun
	Ľ	7. Infrastructure and Pacilities	-1
3-9 Electrification	Ţ	1_	(kind) Nil
3-10 Source of drinking water (well, spring, river, etc.)	Xunder 1 (puty)	T	
			(kind) Groundwater and Spring
		2.7 LOSSIDIC MAILS SUBJECT TO THE MAILTING	t-

Note : "Schmdt and Ferguson Method Source : Provincial Agneuteural Services Office and JICA Study Team

Table K-4 Profile of the Candidate Project Site for Orchard Development in South Sulawesi Province (9/15)

SS(MN)-2 Mangosteen Polewali Mamasa Code : Target Fruit : District :

	Item	(100)	Description		No.	1 1011	CC26112011011
1	Present Furm Management & Seedling Production				4. Agro-ecology and Agro-climate	-	
Ξ	Cultivated crops	(kind)	Fruit. Wood trees and Bush	Γ	4-1 Topography (configuration of the site)	(stype)	Roling to hilly
2	Average landholding size of the farm-household	(pa)	0.89	Ī		(4)	10-30
2	Average cultivation area of the target four tree	(ya)	0.1	ľ	ł –	(a)	+ 400 - 600
4	Prevailing cultivated varieties of the target fruit trees	(vanctv)	i Local	Ī	4-4 Annual rainfall	(ສອ (3.189
2	No. of planted target fruit thes	(uo.)	3300	Γ	4-5 Climate type (No. of wet and dry months)"	(202)	- Al
2	Annual average production in last five years	(101)	30	İ	(1) wet months	(no.&month	(no.&month) 12 (Jan-Dec)
E	Harvest season of the target fruit	(months)		<u> </u>	(2) dry months	(no.Cmonth)	9.0
ž	Current farmgate price of the fruit	Kp/piece	(Rp/ piece): 2.000 - 2.500	[4-6 Groundwater depth		
2	Production input utilization (manure & chenucals)	(kind)			(1) wer months	(w)	64
01-	Inter-cropping plant(s)	(kind)	Com and Bean	Γ	(2) dry months	(E) 	· ·
Ē	Procurement of seedlings (seed, nursery, PRAS, etc.)	(source)	Seed	Γ	4-7 Soil type	(Kype)	Mediterranean
21-1	No. of PP3s and PPLs specialized in horticulture dev.	(10.)	PPS (1) / PPL (1 10)		S. i Marketing		
	Existence of nucleus institution for grouping fruit	(kind/no.)	Kelompok Tani (785) /	Î	(Present Market Silvation)		
	growing farmers (Kelompok Tani, KUD, etc.)			Ī	5-1 No. of local markets within 50 km circle from the site	(00.)	4
	Available credit services for fruit growing	(kind/no.)	(kind/no.) - BRI Unit (V)	ľ	5-2 Markenng channel (farmers - collector/ middleman -	(you)	Farmers - Collectors - Cittes
le le	Development Plan for the Target Fruit Growing				L		
1	Target (priority) fruit	(kind)	Mangosteen		5-3 Present destination of the crops (local, subdistricts,	(destination	(destination): Local and Ujung Pandang
3	Development land area	(14)	2500		districts, provinces, towns, cittes & export)		
	(1) ··· Short term (up to 2003)	(PH)	500		5-4 Form of marketed products (fresh - processed)	(state)	Fresh
		(ha)	1000		(Murketing Prospective)		
	(3) Long term (2009-2018)	(ha)	1000	ĺ	5-5 Marketing channel (tarmers - collector/ middleman -	(flow)	Farmers - Farmers' Groups - Collectors/ Wholesalers -
3	Ĭ	(ton)	3750	ſ	towns - critics - export)		Towns/ Cities - Inter-regions
	Target productivity per hectare	(ton)	36		5-6 Markeing target (district, province, city and/or export)	(tarpets)	Ujung Pandang
	Variety recommended	(vanerv)	Local	Ī	5-7 Form of future market demand (fresh - processed)	(state)	Fresh .
2	Plant(s) recommended to be inter-cropped	(kind)	Com and Bean	<u> </u>	Post-hs		
18	Socio-sconomic Condition of the Site				(Present Processing Fucilities)		
	No. of candidate participant farmers	(00.)	877		6-1 Existing processing facilities of the target fruit	(chbe)	No
2	No. of villages concerned	(uo.)		ſ	6-2 Processed products	(kind)	•
e.	Distance to the Provincial capital (Road class I)	(km)	1 285	[L		
7	Distance to the District capital (Road class II)	(w))	85		6-3 Capacity of the processing facility	i (ton/day)	
5	Distance to the Subdistrict capital (Road class 111)	(KW)	r,	Γ	(Enhancement Plunning)		
Ł	Road class of the road to Subdistrict capital (1, 11 & 111)) (class)	111	ſ	6-4 Required post-harvest handling activities	(kind)	Cleaning / Somng / Grading / Packaping
5	Road condition of the road to Subdistrict capital	· (material)	Compact grovel		(cleaning, sorting, grading, processing, packaging, etc.)		
ž	Distance to the nearest seaport/ airport	(km)	1K0		6-5 Expecting processed products	(kind)	Fresh fruit
	Electrification	(ves or no)	í	-	7. Infrastructure and Facilities		
10	Source of drinking water (well, sping, nyer, etc.)	(kind)	Well / Spring	ſ	8-1 Existing impation facilities for upland crops/ fruits	i (kind)	N1
				ſ	in and around the project site		
					k-2 Possible water source for watering	(kind)	Sphag
				ľ			

Source : Provincial Agricultural Services Office and JICA Study Team

Table K-4 Profile of the Candidate Project Site for Orchard Development in South Sulawesi Province (10/15)

SS(MA)-1 Marquisa Gowa Code : Target Fruit : District :

No. No. <th>Present Farm Management & Needling Production 1-1 Cultivated crops 1-2 Average landholding size of the farm-household 1-3 Average landholding size of the farm-household 1-4 Prevailing cultivation area of the target fruit trees 1-5 No. of planted target truit trees.</th> <th>11</th> <th></th> <th>ŀ</th> <th>a meridani and Agen fimate</th> <th></th> <th></th>	Present Farm Management & Needling Production 1-1 Cultivated crops 1-2 Average landholding size of the farm-household 1-3 Average landholding size of the farm-household 1-4 Prevailing cultivation area of the target fruit trees 1-5 No. of planted target truit trees.	11		ŀ	a meridani and Agen fimate		
Neem Prenn FA mediant Protection(unit)Vestorable from (unit)(unit)Vestorable from (unit)		-1-		-			
1. Consider of the immediation of the immediatin of the immediation of the immediation of the immed	Cultivated cropse Average landholang size of the farm-household Average cultivation area of the target fruit tree Averaging cultivated varactics of the trees No. of planted target fruit trees.	-		; 1	Agro-course and Agro-curses	((((((((((((((((((((Hilly to mountarous
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Average landholding size of the farm-household Average cultivation area of the target fruit tree Prevailing cultivated varieties of the target fruit trees No. of planted target fruit ores	-	/egetable, Banana, Bush	-			1.20.40
1. The interview calibration in the interview (1) A multion (c) A multion (c) (1)	Average cultivation area of the target fruit tree Prevaiing cultivated varieties of the target fruit trees No. of planted target fruit ores		197				1 //// - 1 -0//
i Presulting culturance sources of the keyer (x_{0000}) x_{0000} x_{0000} x_{0000} x_{0000} x_{0000} x_{0000} x_{0000} x_{00000} x_{000000} $x_{0000000}$ $x_{000000000000000000000000000000000000$	Prevailing cultivated varieties of the target fruit trees No. of planted target truit trees	ٲ	12			Ê	1,000
* *	No. of planted target fruit trees.	ŧ	Value			E	
1. Armailty average protection in large		÷.	451483	F	Climate type (No. of wet and dry months)"	(34) (14)	B.
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		ł		T		(no.&month	V & (Now-Jun)
13. Character function frame (action more resp. (number	Annual average production in last five years	۰ł	A01101	T	det wonthe	i (no.6kmonth	V 2 (Aug-Sep)
1.3. Current further further further for the fluit. (Ref 2)	Marvest season of the target fruit	(months) 4		T			
(1) Production function intervention of the function intervention of the function intervention of the function intervention of recting function intervention intervention of recting function intervention interventinterventinterventintervention interventintervention intervention	Current farmeate price of the fruit	Rp./ piece)	250 - 500		1		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Destruction inclusion (manufe & chemicals)	(kind)					10
(A)S. etc.) (Source) Seed (A)S. (A)S. etc.) (A)S. (A)S. <th(a)s.< th=""> (A)</th(a)s.<>			Veretable	_ 		Ê	
N. Hor, Koulo Marketing Americing Americing </td <td>Inter-cropping plant(s)</td> <td>t</td> <td></td> <td>T</td> <td></td> <td>(SAS</td> <td>Latosoi and Mediterranean</td>	Inter-cropping plant(s)	t		T		(SAS	Latosoi and Mediterranean
Inter dev. (no.) TYPEL (no.) (indirection) (kindirection) (no.) (indirection)	Procurement of seedlings (seed, nutsery, PKAD, ctc.)	t		ŀ		-	
(fundi (kindi no.) Kelomoox Tan. (776) / Kindi no. (Frevent Antiation) (kindi no.) RRI (untif) (20) (20) (20) (20) (kindi no.) RRI (untif) (200) (21) (20) (21) (ha) 5000 (24) Form of marketed produst (fresh - processed) (state) (no) 7000 (25) Marketing (hortimes) (no.) (state) (no) 7000 (no) 7000 (noves) (state) (noves) (no) 7000 (no) 7000 (noves) (state) (noves) (state) (no) 7000 (state) (noves) (state) (noves) (state) (no) 7000 (state) (noves) (state)	Ł		PPS (2) / PPL (X8)	к Т			
(xind) XUD (30) Klock (776) 5.1 No. of local markes within 50 km circle from the site (10000) (xind) Marquusa 5.3 Markes within 50 km circle from the site (10000) (xind) Marquusa (xind) Marquusa (1000) (xind) Marquusa (xind) (xind) (xind) (xind) Marquusa (xind) (xind) (xind) (xind) (xind) (xind) (xind) (xind) (xind) <tr< td=""><td>Existence of micleus institution for grouping fruit</td><td>-</td><td>Kelompok Tani (776) /</td><td></td><td>(Prevent Market Situation)</td><td></td><td></td></tr<>	Existence of micleus institution for grouping fruit	-	Kelompok Tani (776) /		(Prevent Market Situation)		
(kind) BRI Lünit(9) 5-2 Markieting channel (firmers - collector/ módiernan - (10w) (kind) Marquusa control - (10w) (10w) (10w) (kind) 500 control - (10w) (10w) (10w) (kind) 500 control - (10w) (10w) (10w) (kind) 1000 (10m) (10w) (10w) (10w) (mo) 700 54 Form of marketed products (fresh - processed) (10w) citient (no) 700 (10w) (10w) (10w) (10w) citient (no) 700 (10m) (10m) (10w) (10w) citient (no) 700 (10m) (10w) (10w) (10w) citient (no) 700 (10m) (10m) (10w) (10w) citient (no) 700 (10m) (10m) (10w) (10w) citient (no) 700 (10m) (10m) (10m) (10w) citient (no) 700 (10m) (10m) (10m) (1	around frames (Kalamark Tan, KIID, etc.)	F				- <u>- 1</u>	
(kind) Marquisa control citato control (castruation) (kind) Marquisa (aistructure stored costination of the crops (local, subdistrict, (aistructure) (castruation) (ha) 1000 (ha) 000 (state) (ha) 1000 (hord) (state) (state) (na) 1000 (hord) (state) (state) (no) 1500 (hord) (state) (state) (no) 1580 (hord) (state) (hord) (no) 1580 (hord) (state) (state) (no) 1580 (no) (no) (state) (no) (no) 1580 (no) (no) (no) (state)		+	3R1 Unit (9)			(110W)	
(kind) Marquisa 5.3 Present cestinantion of the crops (local subdiserreis, districts, provinces, froms, crites & export) (cestination) (ha) 5000 (ha) (ins) (ins) (ins) (ins) (ha) 1000 (ins) (ins) (ins) (ins) (ins) (ins) 7000 5.5 Markating channel (farmers - collector) mudeleman - (ins) (inov) (inov) am (ino) 7 5.5 Markating channel (farmers - collector) mudeleman - (inov) (inov) am (ino) 7 5.5 Markating channel (farmers - collector) mudeleman - (inov) (inov) am (ino) 7 5.5 Markating channel (farmers - collector) mudeleman - (inov) (inov) am (ino) 7 5.5 Markating channel (farmers - collector) (inov) am (ino) 7 5.5 Markating channel (farmers - collector) (inov) am (inov) 7 5.5 Markating channel (farmers - collector) (inov) am (inov) 7 5.		-		- 	towns + crites - export)		
(init) (init)<	Development Flan for the target cruit Crownik	t		Ŧ		(destination	vi Local
(ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (enon) (ha) (ha) (ha) (ha) (ha) (ha) (enon) (ha) (ha) (ha) (ha) (ha) (enon) (ha) (ha) (ha) (ha) (ha) (enon) 7000 (ha) (ha) (ha) (ha) (enon) 1500 (ha) (ha) (ha) (ha) (enon) 1500 (ha) (ha) </td <td>2-1 Target (pronty) fruit</td> <td>1</td> <td>Witte</td> <td>T</td> <td>н</td> <td></td> <td></td>	2-1 Target (pronty) fruit	1	Witte	T	н		
(ha) 1.000 5-4 Form of marketed products (fresh = processed) (* surface) (ha) 1.000 (ha) 1.000 (hor) (hor) (hor) action program (non) 7 (hor) (hor) (hor) action program (non) 7 (hor) (hor) (hor) action program (hor) 7 (hor) (hor) (hor) action program (hor) 7 (hor) (hor) (hor) action program (hor) 5 (hor) (hor) (hor) <t< td=""><td></td><td>-</td><td>2000</td><td>î -</td><td>l</td><td></td><td>- Enech and Provised</td></t<>		-	2000	î -	l		- Enech and Provised
(b) (horizeting Prospective) (in) 7000 Action program (in) (in) 7000 Action program (init) (init) (init) (ini) (init) (init)	Ł	<u> </u>	.000		5-4 Form of marketed products (fresh - processed)	(31415)	
(in) 7000 5.5 Markening channel (farmers - collector/muddleman - (10w) acrion program (ton) 7000 icwns - crites - export) (targets) acrion program (ton) 7000 icwns - crites - export) (targets) acrion program (ton) 7000 icwns - crites - export) (targets) acropped (ton) 7000 5.7 Fornance (argets) (targets) acropped (kind) Vesterables 6. Pesteharvest Handling (targets) (targets) acropped (kind) 3 (for or o	CO Madition from (2004-2008)	ŀ	000		(Marketing Prinspective)		
action program (ton) 7000 Sec Marking larger (demand (fresh - processed) (targersh) rerobped (ton) 7 Sec Marking larger (demand (fresh - processed) (targersh) rerobped (ton) 1 Sec Marking larger (demand (fresh - processed) (targersh) rerobped (ton) 1580 Period (targersh) (targersh) reropped (ton) 1380 Period (targersh) (targersh) reropped (no.) 1380 Period Period (targersh) (targersh) 0 (bood class II) (no.) 1380 Period (targersh) (ton) 0 (bood class II) (km) 2 Postenty of the processing facilities) (ton) 0 (bood class II) (km) 2 Copecing processing facilities) (ton) 0 (bood class II) (km) 2 Copecing processing facilities) (ton) 0 (bood class II) (km) 2 Copecing processing facilities) (ton) 10 (bood class II) (km) <td>ł</td> <td>1-</td> <td>1000</td> <td>-</td> <td></td> <td>(10w)</td> <td>Parmers - Parmers Uruphs - Constront - Parmers</td>	ł	1-	1000	-		(10w)	Parmers - Parmers Uruphs - Constront - Parmers
action program (1um)	Ì	T		1	towns - cities - export)		i Towns/ Citres + Inter-regions
(100) 7 7 7 7 7 recropped (kind) Vegetables • • • • recropped (kind) Vegetables • • • • recropped (kind) Vegetables • • • • • recropped (kind) 15800 • • • • • • recropped (kind) 15800 • • • • • • recropped (no.) 15800 • • • • • • recropped (no.) 15800 • • • • • • Road class II) (km) 40 • • • • • • • Road class II) (km) 2 • • • • • • • Road class II) (km) 2 • • • • • • • Road class II) (km) 2 • • • • • • • • Road class II) (km) 2 • <		Ţ		Т	1	(targets)	Export
recopped (varecy) Malino recopped (kind) Vegetables 0. recopped (kind) Vegetables 0. recopped (kind) Vegetables 0. recopped (no.) 1580 0. recopped (no.) 1580 0. recopped (no.) 1580 0. recopped (no.) 1580 0. record class 11) (km) 40 0. record class 11 (km) 40 0. record class 11 (km) 40 0.	Target productivity per hectare	- 1		Ī		(1212)	Processo
recropped (kind) Vegetables 0. Post-harvest Handling ners (no) 3 Processed products (kind) ners (no) 3 Processed products (kind) 0 (Road class I) (km) 40 (kind) (kind) 0 (Road class II) (km) 2 (kind) (kind) 0 (Roa	Vanery recommended	-	Malino	-	3-7 Form of future market demand (fresh = processed)		
Mer (no.) 1580 (Present Processing facilities) Mer (no.) 1580 (no.) (no.) (no.) (no.) (fload class1) (no.) 1580 (no.) (no.) (no.) (no.) Read class1) (no.) 40 (no.) (no.) (no.) (no.) Read class1) (no.) 40 (no.) (no.) (no.) (no.) Read class1) (no.) 2 (no.) (no.) (no.) (no.) (no.) Read class1) (no.) 2 (no.) (no.	i.		Vegetables	ۍ ا			
Mer (mo.) 1380 (mo.) (mo.) </td <td>Contraction of the Nite</td> <td></td> <td></td> <td></td> <td>(Present Processing Facilines)</td> <td></td> <td></td>	Contraction of the Nite				(Present Processing Facilines)		
No. of villages concerned (no.) 3 6.2 Processed products (kind) No. of villages concerned (no.) 40 (arrange processed products, etc.) (kind) Distance to the Provincial capital (Road class 1) (km) 40 (arrange processed products, etc.) (kind) Distance to the District capital (Road class 1) (km) 40 (arrange processed products, etc.) (kind) Distance to the District capital (Road class 1) (km) 2 (arrange processing facility (ton/dy) Distance to the District capital (Road class 1) (km) 2 (arrange processing facility (kind) Distance to the District capital (I,118, II) (km) 35 (arrange processed products, etc.) (kind) Road class of the road to Subdistrict capital (I,118, II) (km) 35 (arrange processing facility, processing facility, (kind) Road class of the road to Subdistrict capital (material) Associated products, etc.) (kind) Road class of the road to Subdistrict capital (material) 35 (kind) (kind) Road class of the road to Subdistrict capital (km) 35 (kind) (kind) Road class of the road to Subdistrict capital (kind) (kind) (kind) (kind) Road class of the road to Subdist	3 1 als of southers contribute formute	t	1580	-		(ivpe)	Juice / Syrup
No. of the processed products, ctc.) (km) 40 (drying, caning, borting, processed products, ctc.) (ion / day) Distance to the District capital (Road class II) (km) 40 6.3 Capacity of the processing facility (ion / day) Distance to the District capital (Road class II) (km) 2 6.3 Capacity of the processing facility (ion / day) Distance to the Subdistrict capital (Koad class III) (km) 2 6.4 Capacity of the processing facility (ion / day) Distance to the Subdistrict capital (Koad class III) (km) 2 6.4 Capacity of the processing facility (ion / day) Road class of the road to Subdistrict capital (i.118, III) (km) 35 (ind / day) (kind / day) Road class of the road to Subdistrict capital (i.118, III) (km) 35 (ind / day) (kind / day) Road class of the road to Subdistrict capital (i.118, III) (km) 35 (i.101, day) (kind / day) Road control the road to Subdistrict capital (i.118, III) (km) 35 (i.101, day) (kind / day) Source of drinking water (weil, spring, river, cite.) (wor no) Yes (i.101, day) (kind / day) (kind / day) Source of drinking water (weil, spring, river, cite.) (kind / Spring)		t		Г	L.	(kind)	Fruit jutce
Distance to the Provincial capacity of the processing facility (form / day) Distance to the District capital (Road class 11) (km) 2 Distance to the Subdistrict capital (Road class 11) (km) 2 Distance to the Subdistrict capital (Road class 11) (km) 2 Distance to the cool to Subdistrict capital (Road class 11) (km) 2 Distance to the cool to Subdistrict capital (Road class 11) (km) 2 Road class of the cool to Subdistrict capital (Road class 11) (km) 2 Road class of the cool to Subdistrict capital (Road class 11) (km) 3 Distance to the nearest subort attropt (km) 35 Distance of the road to Subdistrict capital (Road class 11) (km) 35 Nowree of dinking water (well, spring, river, cite) (kind) 35 Source of dinking water (well, spring, river, cite) (kind) 35		t	U.	1	(drving, canning, bottling, processed products, ctc.)		
Distance to the Unstance capital (read class 11) (km) 2 Distance to the Nublisteric copital (read class 11) (km) 2 Distance to the Nublisteric copital (read class 11) (km) 2 Road class of the Nublisteric copital (read class 11) (km) 2 Road condition of the road to Subfisteric cipital (if Ration content is a contract of the road to Subfisteric cipital (if Ration content is a contract of the road to Subfisteric cipital (km) Road condition of the road to Subfisteric cipital (if Ration content is a contract of the road to Subfisteric cipital (km) 3 Distance to the nearest sedout airpoint (km) 3 5 Expecting processed products (kind) Distance of the nearest sedout airpoint (with) Spring 3 5 Expecting fragmation content is the road of the project site (kind) Source of drinking water (well, spring, river, etc.) (kind) Spring 3 Source for watering (kind)	ł	Ţ	0	Г	1	(ton / day	4 ton Marguisa / hour
Distance to the Subdistrict capital (Road Class 11) (Km) (Km) (Kind) Coad colution of the road to Subdistrict capital (Kand) (Kind) Road colution of the road to Subdistrict capital (Table in the road to Subdistrict capital (Kind) Road colution of the road to Subdistrict capital (Table in the road to Subdistrict capital (Kind) Road colution of the road to Subdistrict capital (Kind) 35 Distance to the nearest sectory arryon (Kind) 35 Electrification (Kind) 35 Source of drinking water (well, spring, river, cic.) (Kind) 57 Source of drinking water (well, spring, river, cic.) (Kind) 35		t		Г	(Enhancement Plumning)		
Road class of the road to Subdistrict capital (, 11%, 11), (class) 11 class of the road to Subdistrict capital (, 1(%, 11), (class) 11 Road control the road to Subdistrict capital (, 1(%, 11), (class) 11 (road road road (class) 11 Road control the road to Subdistrict capital (, 1(%, 11), 1 Å) (class) 11 Road control the road to Subdistrict capital (, 1(%, 11), 1 Å) (class) 14 Distance of the road to Subdistrict capital (, 1(%, 11), 1 Å) (class) 14 Distance of the road to Subdistrict capital (, 1(%, 11), 1 Å) (class) 14 Subdistrict capital (, 10, 1 Å) (road) 14 Subdistrict capital (, 10, 1 Å) (road) 14 Subdistrict capital (, 10, 1 Å) (road) 14 Subdistrict capital (, 10, 1 Å) (road) 14 Subdistrict capital (, 10, 1 Å) (road) 14 Subdistrict capital (, 10, 1 Å) (road) 14 Subdistrict capital (, 10, 1 Å) (road) 14 Subdistrict capital (, 10, 1 Å) (road) 14 Subdistrict capital (, 10, 1 Å) (road) 14 Subdistrict capital (, 10, 1 Å) (road) 14 Subdistrict capital (, 10, 1 Å) (road) 14 Subdistrict capital (, 10, 1 Å) (road) 14 Subdistrict capital (, 10, 1 Å) (road) 14 Subdistrict capital (, 10, 1 Å) (road) 14 Subdistrict (, 10, 1 Å) (road) 14 <td></td> <td>-</td> <td></td> <td>Т</td> <td>C Antointerrierie a contraction beautier beautier a contraction</td> <td>(kind)</td> <td>Cleaning / Sorang / Processing</td>		-		Т	C Antointerrierie a contraction beautier beautier a contraction	(kind)	Cleaning / Sorang / Processing
Road condition of the road to Subdistrict capital (material) Asphalt (cleaning, processing, processing, processing, paragreg, etc.) (kind) Distance to the nearest seaport unport (xm) 35 7. Infrastructure and Pratinessing, processing, paragreg, etc.) (kind) Source of drinking water (well, sping, river, etc.) (kind) Spring 1. Infrastructure and Pratinessi for upland crops/fruits (kind) Source of drinking water (well, sping, river, etc.) (kind) Spring 1. in and around the project site (kind)		~		Т			
Distance to the nearest seapord airport (km) 35 6-5 Expecting processed products (kmd) Electrification (wind) Yes 7. Infrastructure and facilities (kind) (kind) Source of drinking water (well, spring, river, cic.) (kind) Spring 8.1 Existing regulation for project site (kind) Source of drinking water (well, spring, river, cic.) (kind) Spring 8.2 Possible water source for watering (kind)	Road condition of the road to Subdistrict capital		Asphalt	-1	-		
7. Infrastructure and Factures Electricitation (ves. or no) Yes Nource of drinking water (well, spring, river, cic.) (kind.) Source of drinking water (well, spring, river, cic.) (kind.) Source of drinking water (well, spring, river, cic.) (kind.)	Distance to the passace control aimort		15			(1903)	
Source of drinking water (well, spring, river, cic.) (kind.) Spring (kind.) (k		WALOF DO	Yes		Infrastructure and Facilities	_	
Source of drinking water twen, spring, reter, etc., returned in and around the project site (kind) 3x2. Possible water source for watering (kind)		t had a	Voring	Ī	8-1 Existing impation facilities for upland crops/ fruits	(kind)	Watering by use and spring water
Possible water source for watering (kind)	1	t		T	E		
				Г	1	(kind)	Spring
				T	Ł.	-	

Source : Provincial Agricultural Services Office and JICA Study Team

Table K-4 Profile of the Candidate Project Site for Orchard Development in South Sulawesi Province (11/15)

Code : SS(MA)-2 Target Fruit : Marquisa District : Tana Toraja

1	(Linit) Description		
i.cm		4. I Apro-ecology and Agro-climate	
Present Farm Management & Seedling Production	Î	- k -	(type) i Hilly to mountainous
-1 Cultivated crops	(kind) Grass land. Irees	L	(4) 15+35
1.2 Average landholding size of the farm-household	(ha) 0.6		(m) i K00-1.500
	(ha) 0.2	1	Ē
	(vanetv) Malino	- !	ľ
	(po 1 184103	4-5 Climate type (No. of wet and dry months)	
1.5 No. of plantod target thus uccs	1	(1) wet months	(Inc. Armony) & (Inc. Port)
1.6 Annual average production in last five years		(2) dry months	(no.&month); 1 (SCP)
-7 Harvest season of the target fruit		13	
1-8 Current farmeate price of the fruit	(Kp/ pieces: 100	L	(m) X(i (m)
	-†		(m) 20
1-10 Inter-cropping plant(s)	-1	Ľ	(type) Yellow red podzolic
	7		
1.12 No. of PPSs and PPLs specialized in horiculture dev.	(no.) PPS(2)/PPL(31)		
	(kind/no.) Kelompok Tani (442) /	(prevent market subartant)	(00.) 7
1	KUD (18) / Kiosk (11)	5-1 No. of local markets within 30 km succession	Anno Remark - Proceeding
	(kind/no.) BR! Unit (K)	5.2. Markenng channel (farmers - collector/ modicman -	
1-14 Available croalit services for high proving	ł-	towns - cities - export)	
Development Plan for the Target Fruit Growing	(bred) Marchica	5.3 Present destination of the crops (local, subdistricts.	(destruction); Local
2-1 Target (priority) thuit	Ĵ	dismost minunces towns. cities & export)	
2.2 Development land area	-1	4.4 Econ of markened multicle (fred - processed)	(state) Fresh and Processed
Ŀ	(ha) 3,000		
	(ha) 3000	(MURREING PRINCECIVE)	/ fow) Farmers - Farmers' Groups - Collectors' Wholesalers
1	(ha) 3000	1 5-5 Markeing channel (farmers - concourt internet)	E
	1_	towns - cities - export)	ł
-> Target production in short-term at their program	t	5-6 Markeing target (district, province, city and/or export)	
2-4 Target productivity per nectare	╘	5.7 Form of future market demand (fresh - processed)	
2.5 Vanety recommended	VALUES / LAGARDO	6. Post-harvest Handling	
2-6 Plant(s) recommended to be inter-cropped		ŧ	-t
Socio-economic Condition of the Site		6-1 Existing processing facilities of the target fruit	(type) Juice/Symp
3.1 No: of candidate participant farmers		1	(kind) : Fruit juice
3-2 No, of wilages concerned	-t		
3-3 Distance to the Provincial capital (Road class I)	1	K1 Canacity of the processing facility	(ton / day) 2 ton Marquisa per day
3.4 Distance to the District capital (Road class 11)		15	
3.5 Distance to the Subdistrict capital (Road class 11)	(Km)	A.4 Required most-harvest handling activities	(kind) Cleaning / Sorting / Processing
3.6 Road class of the road to Subdistrict capital (1, 1 & 111)	(class)		
1.7 Road condition of the road to Subdistrict capital	(material)		(kind) Drink product
1	· (km·) 20		
	(yes or no) i No	7. Intractructure and nacriticate for included fruits	i (kind.) [Ni]
1	(kind) [Spring	5-1 EXISTING ITTIGATION PACIFICATION UP TO THE TICKER TO	1-
			(triad) Consudurator (con doon)
		8-2 Possible water source for watering	
			-

Note : "Schimdt and Ferguson Method. Source : Provincial Agricultural Services Office and JICA Study Team Table K-4 Profile of the Candidate Project Site for Orchard Development in South Sulawesi Province (12/15)

Code: SS(RB)-1 Target Fruit: Rambutan District: Mamuju

NU-		4. Agroecology and Agro-climate	
Present Farm Management & Seedling Production	t	1	(type) Flat to rolling
1-1 Cultivated crops	(kind) Cacao and Junkie		(%) 10-20
1.2 Average landholding size of the farm-household	(ha) 11.25	1	(W) 5-500
	(ha) 0.07		(mm) 2.58]
	(vanery) Local, Binjai, Lebak Bulus, Aceh		ſ
	(no.) i 71X	4-5 Climate type (No. of wet and dry monuls)	
- E	(ton) 220		
1111	Ŀ	(2) dry months	I (DO.OCMOBID) I (AUK)
		4-6 Croundwater depth	
1-K Current farmpare price of the fruit		(1) wet months	· (m) 1
		Ł	(m) 4
1-10 Inter-cropping plant(s)	-	15	(type) Alluvial, Podzolic and Grumosol
	2		
1-12 No. of PPSs and PPLs specialized in horiculture dev.	-+	1.	
1-13 Existence of nucleus institution for grouping fruit	(kind/ no.) Nelompok Lani (049)/	C No of local markets within 50 km circle from the site	(10.) X
	(00) X(ID (60)		(flow) Farmers - Collectors - Lowns/ Cities
	i (kind/no.) BRI Unit (2)		1-
2. Development Plan for the Target Fruit Growing		2 2 0 00000 - 200000 20 0000 (2000) - 20000 (2000)	(destination) Local
J	(kind) Rambutan	2-2 LESSIN CONTRACTOR OF LIC VIDES (10-01, 2000-00-00-00-00-00-00-00-00-00-00-00-00	
Development land area	(ha) 6350		Constant Process
(1) - Chort terms (1) to 2003)	(ha) 2.350	9. 5-4 Form of marketed products (ITESN - processed)	
	t	(Marketing Prospective)	-ł
	t	5-5 Marketing channel (farmers - collector/ middleman -	(flow) rarmers - rarmers droup - Childrens -
(3) TONE SEEM (2009-2010)	t	towns - cities - export)	Towny Cines - Inter-regions
2-3 Target production in short-term action program	-†	1 5-6 Markeing target (district, province, city and/or export)	(targets) Ujung Pandang
2-4 Target productivity per hectare	-ł	1	(state) i firesh
) Binjai, Leoak buius,	Į,	
2-6 Plant(s) recommended to be inter-cropped	(kind) Sovbean and Lorn	-1-	
Socio-economic Canditian of the Site		ALT Existing anoreging favilities of the target fruit	(rvpe) No
3.) No. of candidate participant farmers			I (kind)
3-2 No. of villages concerned	(no.) 10	L	
ŧ	-	1	/ ron / dav) -
1 1-1 Distance to the District capital (Road class II)	(km) ; 45		
	(km)) 5	SI	Contraction / Contract / Packaging
	ľ	6-4 Required post-harvest handling achivities	
	I٠	(cleaning, sorting, grading, processing, packaging, cfc.)	1
1	t	6-5 Expecting processed products	(KING) PTCSD TTUIL TOT CAYANT
1	ta	7. Infrastructure and Facilities	I
		8-1 Existing impation facilities for upland crops/ fruits	· (kind) : Nil
3-10 Source of granting water (well, shaller in evidence	t	in and around the project site	
		8-2 Possible water source for watering	(kind) Croundwater

Note : "Schimdt and Ferguson Method Source : Provincial Agriculturul Services Office and JICA Study Team

Table K-4 Profile of the Candidate Project Site for Orchard Development in South Sulawesi Province (13/15)

SS(RB)-2 Rumbutan Enrekang Code : Target Pruit : District :

Irom	(Cart)	Description	No.		(100)	International
- 1				Agroecology and Agro-climate		
ξĮ		· Anna Alana Wash Buch			(ive)	i Undelating
1-1 Cultivated crops	- 	Cacao, CIOVE, W 000 /		Ì.	(35)	10-15
1.2 Average landholding size of the farm-household		-		1	2	165
1.3 Average cultivation area of the target fruit tree	unt tree (ha)	0.1	I		, mm	2.322
1	t trees	(vanery) Local, Binjai			(TVINE)	1 A 1
	(uo.)	0 5751		4-5 Climate type (No. of wet and any monus)-	1 2012	
		t		(1) wet months	(UNO CETTONIA)	
1		61:4	ſ	(2) dry months	(monoro) U	
	1 0 A D	/ Dis / Niece/ 1 000-2 000		4-6 Groundwater depth	_	
1-8 Current tarmgate price of the trust			T	(1) wet months	Ê	5
1-9 Production input utilization (manure & chemicals)		-1	Ī	Ł	jê	Q
1-10 Inter-cropping plant(s)	(KING) Com and Soybean	Ī	3	1.1.12	· Podzolic and Mediterranean
	r. PRAS, etc.) (source	e) i Seed	-	1 4-7 Soil type		
- P.		1-	<i></i>			
	t	Ŀ		(Prevent Market Situation)		
1-13 EXISTENCE OF NUCCEUS INSTITUTION TOT STOUPING ITUIL		101 1 101 102 1 102 101 102 102 102 102	Ī	4-1 No. of local markets within 50 km circle from the site	(10.)	4
prowing farmers (Kelompok Tant, KUD, etc.)		1001	T		(10w)	Farmers - Collectors - Towns/ Citros
1-14 Available credit services for fruit growing		(kind/ no.) j BRI Unit (3)	Ĩ	1		
Development Plan for the Target Fruit Growing	ving					
	(kind)) Rambutan		5.3 Present destination of the crops (local, subdistricts,	(OCSURADOR) LOUAL	1 LADER
		┝	-	districts, provinces, towns, cities & export)		
		t		5-4 Form of marketed products (fresh - processed)	(state)	Fresh
		t	T	(Murkeline Prosnective)		
	L PU	1	T	5-5 Markenne channel (farmers - collector/ middleman -	(Now)	Farmers - Farmers' Groups - Collectors/ Wholesalers -
(3) Long term (2009-2018)	(EG)		Ī			Crocs - Exports
2.3 Target production in short-term action program	program (ton)		Ī		(Isrown	- Ulture Pandane
2-4 Tareet productivity per hectare	(00))) %	Ì			Outer when is
2.5 Variary recommended	(vanety	v) Binja	-	5+7 Form of future market demand (rrean - processed)	Plate /	
2.6 Plants/ secondended to be inter-crooped	ed (kind)	Sovbean and Corn	ۀ	_		
				(Present Processing Facilities)		
	(92)) 78J		6-1 Existing processing facilities of the target fruit		0V
	(uo.)	t		6-2 Processed products	(kind)	
		5 250		(drying, canning, bottling, processed products, etc.)	_	
		t		6-3 Capacity of the processing facility	(ton/day)	
3.4 Distance to the Lutsurier capital (Node Class 1)		t	Ī	(Enhancement Planning)		
	111	t]	6-4 Required post-harvext handling activities	(kind)	Cleaning / Sorting / Grading / Packaging
	1	t	Ī	(cleaning, sorting, grading, processing, packaging, etc.)		
	T	-1-	Ī	6-5 Expecting processed products	(kind)	Fresh fruit for export
3-K Distance to the nearest seapory airpoin				1 10		
		100/ 100 V 10/All			()kind)	- Ni
3-10 Source of drinking water (well, sprink, river, etc.)	LIVET, CIC./ / NUML /		ľ	L		
				8-2 Possible water source for watering	(kind)	Spring and River
			Ī	L		
	-					

Note : *Schimdt and Ferguson Method Source : Provincial Agricultural Services Office and JICA Study Team

Table K-4 Profile of the Candidate Project Site for Orchard Development in South Sulawesi Province (14/15)

SS(RB)-3 Rambutao Pinrang Code : Target Fruit : District :

at Parm Management & Seeding Production (kind.) Bush and Fallow Cultivated crops (kind.) Bush and Fallow Average cultivation size of the farm-household (ha) 0.01 Average cultivation size of the target fruit trees (ha) 0.01 Prevailing cultivation suce of the target fruit trees (ha) 0.01 Prevailing cultivation suce of the target fruit trees (no.) 152:0 No. of planted target fruit trees (no.) 152:0 Annual average production finat tive years (no.) 152:0 Annual average production frantine & chemicals) (kind.) 2 Current fargase proc of the fruit (RA) price:0 - Inter-ecopping plant(s) (kind.) 2 Inter-ecopping plant(s) (kind.) 2 Inter-ecopping plant(s) (kind.) 2 Inter-ecopping plant(s) (kind.) 2 Inter-ecopping fruit (kind.) 2 Inter-ecopping fruit (kind.) 2 Inter-ecopping fruit (kind.) 2 On of the target fruit Growing (kind.) 2 Inter-ecopping fruit (kind.) 2 Inter-ecopping fruit (kind.) 2 No of plant(son term (up to 2003)) (kind.)<	2	(%) Undulating to rolling (%) 5-15 (m) 100-130 (m) 2.202 (m) 2.202 (modulating to rolling (m) 2.202 (m) 2.202 (modulating to rolling (no.kimonth) (no.kimonth) (no.j) (m) (m) (m) (m) (m) (m) (m) (m) (modulating (modulating (no.j) (no.) (no.)
d (kind.) Bash and Fallow d (ha.) 1.42 (tees (vancry) Local. Binjai, Lebak (ino.) 1.52.00 (no.) (ind.) 2 (no.) (ind.) 2 (no.) (ind.) 2 (no.) (ind.) 2 (no.) (int.) 1.52.00 (no.) (int.) 1.000 Secd (kind.) 2 (no.) (kind.) 2 (no.) (int.) NU(10(1)(3)) (no.) (kind.) 2 (no.) (kind.) 2 (no.) (kind.) 2 (no.) (kind.) 2 (no.) (kind.) 1 0000 (kind.) 1 1000 <td>4:1 Topography (configuration of the site) 4:2 Athude for elevation) 4:3 Athude for elevation) 4:4 Athude for elevation) 4:5 Chimate type (No. of wet and dry months)* (1) wet months (1) wet months (2) dry months (1) wet months (2) dry months (1) wet months (2) dry months (3) wet months (4) wet months (5) dry months (7) wet months (1) wet months (2) dry months (2) dry months (1) wet months (2) dry months (2) dry months (3) wet months (4) for months (2) dry months (3) wet months (4) wet months (5) dry months (6) wet months (7) wet months (8)</td> <td></td>	4:1 Topography (configuration of the site) 4:2 Athude for elevation) 4:3 Athude for elevation) 4:4 Athude for elevation) 4:5 Chimate type (No. of wet and dry months)* (1) wet months (1) wet months (2) dry months (1) wet months (2) dry months (1) wet months (2) dry months (3) wet months (4) wet months (5) dry months (7) wet months (1) wet months (2) dry months (2) dry months (1) wet months (2) dry months (2) dry months (3) wet months (4) for months (2) dry months (3) wet months (4) wet months (5) dry months (6) wet months (7) wet months (8)	
Old (Nmb) Dotsname ration cc (ha) 0.01 uttrees (varicy) Local. Binjai. Lebak uttrees (no.) 1.42 (monihs) 2 0.01 (kind) 0.01 2 (kind) 0.01 2 (kind) 0.00 0 (ha) 2 00 (ha) 1000 (ha) (ha) 1000 (ha)	4.2 Slope 4.3 Almode (or clevanon) 4.4 Annual ramfall 4.4 Annual ramfall 4.5 Almode receive (No. of wet and dry months) (1) wet months (1) wet months (2) dry months (2) dry months (2) dry months (3) dry months (4) Solitype (5) dry months (7) dry months (7) dry months (8) dry months (9) dry months (1) wet months (1) wet months (2) dry months (2) dry months (3) dry months (4) Solitype (7) dry months (8) dry for encircle from the site	
old (ha) 1.42; cc (ha) 0.01 uttrees (varce) 1.52.40 uttrees (ton) 1.52.40 (ton) 1.52.40 1.52.40 (ton) 1.2 0.02 (ton) 1.2 0.02 (ton) 1.1 0.02 (ton) 1.1 0.02 (kind) Com 0.02 AS. etc.) (source) Seed (thut) Com No.101 Iture dev. (no.) PR1 Umt(1) (kind) Rambutan (source) (am) 1.000 (ha) 1.000 (ha) 1.000 (ha) 1.000	A. Annual rainfall A. A Coundwater depth A. A Coundwater depth A. A Coundwater depth A. A Coundwater depth A. A Sol type A Sol type A Sol type A Sol type A So	
cc (1a) 0.01 uttrees (varrey) 152-00 (100) 152-00 152-00 (100) 152-00 152-00 (100) 152-00 152-00 (100) 1 152-00 (100) 1 152-00 (100) 1 2 (100) 2 1000 (100) 1 Com AS, crc.) (100) Com AS, crc.) (100) Scad (100) Com Nok(13) (100) (11) PEL (11) (100) (100) Kok(13) (100) (100) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) (11) <td>4.4 Annual rainfall 4.5 Climate type (No. of wet and dry months)* (1) wet menths (2) dry months (2) dry months (2) dry months (3) wet menths (4) Coundwater depth (1) wet months (2) dry months (2) dry months (3) dry months (4) Solitype (5) dry months (2) dry months (3) dry months (4) Solarized dry (5) dry months (7) No. of local markes within 50 km critcle from the site (2) Markets within 50 km critcle from the site (2) Markets within 50 km critcle from the site</td> <td></td>	4.4 Annual rainfall 4.5 Climate type (No. of wet and dry months)* (1) wet menths (2) dry months (2) dry months (2) dry months (3) wet menths (4) Coundwater depth (1) wet months (2) dry months (2) dry months (3) dry months (4) Solitype (5) dry months (2) dry months (3) dry months (4) Solarized dry (5) dry months (7) No. of local markes within 50 km critcle from the site (2) Markets within 50 km critcle from the site (2) Markets within 50 km critcle from the site	
uttrees (varicy) Local. Binjai. Lebak (no.) 15230 (no.) 15230 (no.) 15230 (no.) 15230 (no.) 15230 (no.) 15240 (no.) 15240 (no.) 15240 (no.) 15240 (no.) 2 (no.) 3 (no.) 4 (no.) 4 (no.) 4	4-4 Annual rammat 4-5 Annual rammat 4-6 (1) wet months (1) wet months (2) dry months (2) dry months (2) dry months (3) wet months (4) Groundwater depth (1) wet months (1) wet months (2) dry months (1) wet months (1) wet months (2) dry months (1) wet months (2) dry months (3) wet months (4) Groundwater depth (5) dry months (7) wet months (7) wet months (7) wet months (7) wet months (7) dry months (8) dry (7) dry (8) dry (9) dry (10) dry (11) dry (12) dry (13) dry (14) dry (15) dry (17) dry (18) dry (19) <td></td>	
(no.) (no.) (no.) (month) (month) (kind) (kind) (kind) (no.) (kind) (no.) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha	 4-5 Climate type (No. of wer and ury monumy (1), wer months (2) dry months (3) dry months (4) Cryundwater depth (1) wet months (2) dry months (2) dry months (3) dry months (4) Soli type (4) Soli type (3) dry months (7) dry months (7) dry months (7) dry months (7) dry months (8) dry for the state of the	
(100) (10) (1	 (1) wet montils (2) dry months (2) dry months (1) wet months (1) wet months (2) dry months (2) dry months (2) dry months (2) dry months (3) dry months (3) dry months (5) dry months (5) dry months (5) dry months (5) dry months (6) dry months (7) wet setter setting channel (tamers - collector/ modeleman - to wars - enter - export) 	
(months) (Rp./prece) (Rp./prece) (Kind) AS. etc.) (kind) AS. etc.) (source) (tout (no.) (kind/no.) (kind/no.) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha	 (2) dry montris 4-6 Cryundwarer depth 4-7 Cryundwarer depth (2) dry montris (2) dry montris 4-7 Soil type 4-7 Soil type 4-7 Soil type Marketing Marketing 5-2 Market ghannel (farmers - collector/ middleman - provident ghannel (farmers - collector) 	
(Rp/ Inccr) vcals) (kind) (kind) (kind) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha)	46 47 47 51 5-1 5-2	(m) 10 (m) 20 (type) Podzolie (mo.) 11 (flow) Farmers - Collocions - Towned Cittes (flow) Local, Ujung Pandang
Mcals) (kind) AS, cic.) (kind) AS, cic.) (source) Ibure dev. (no.) Ibure dev. (no.) (f.und) (kind) (f.und) (kind) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha) (ha)	4-7 Marke (Presen 5-2	(m) 10 (type) 20 (type) Podzolic (mo,) 11 (mo,) 11 (fowners - Collectors - Towner Cites (destination) Local, Ujung Pardang
AS, citc.) (kind.) (ki	4-7 Marke (Presen 5-2	(type) 200 (type) Podzolic (no.) 11 (no.) Earmers - Collectors - Yowned Cites (destination) Local, Ujung Pardang
AS, ctc.) (<u>source</u>) liture dev. (no.) liture dev. (kind/ no.) (kind/ no.) (kind/ no.) (ha) (ha	4-7 Marke (Prexen 5-2 5-2	 (type) - Pootzone (no.) 11 (no.) 10 (no.) Local, Ujung Pandang
A3, crc/ (nume dev. (no.) (nume dev. (no.) (kind) (kind) (kind) (ha) (ha) (ha) (ha) (no.)	Marke (Presen 5-2 5-2	(no.) 11 (flow) Farmers - Collectors - Towned Cittes (destination) Local, Ujung Pardang
(kind' no.) (kind' no.) (kind' no.) (kind') (ha) (ha) (ha) (ha) (ha)	(Prevent Marker Situation) 5-1 No. of local markets within 50 km circle from the site 5-2 Marketing channel (farmers - collector/ middleman - towns - cittes - export)	(no.) 11 (flow) Farmers - Collectors - Towned Cittes (destination) Local, Ujung Pardang
() () () () () () () () () ()	 5.1 No. of local markets within 50 km circle from the site 5.2 Marketing channel (farmers - collector/ middleman - towns - cintes - export) 	(no.) 11 (no.) Farmers - Collectors - Yownd Cittes (destination) Local, Ujung Pardang
(kind/ no.) (kind/ no.) (kind) (ki) (ki) (ki) (ki) (ki) (ki) (ki) (ki		(flow) Farmers - Collectors - Towner Crites (destination) Local, Ujung Pandang
(kind) (kind) (ha) (ha) (ha) (ha) (ha) (ha)		(desthatton) Local, Ujung Pandang
((nd) ((nd) ((nd) (((nd) (((((((((((((((((((destination) Local, Ujung Pandang
Target (prionity) fruit (kind.) Development land area (1) Medium term (2004-2008) (2) Long term (2004-2008) (3) Long term (2009-2018) Target production in short-term action program (100.)	5.3 Burner daring and the church subdistricts	
Development land area (%) (1) Short term (up to 2003) (%) (2) Medium term (2002-2008) (%) (3) Long term (2005-2008) (%) (3) Long term (2005-2008) (%) (3) Long term (2005-2018) (%)	-	
(1) Short term (up to 2003) (ha) (2) Medium term (2004-2008) (ha) (3) Long term (2003-2018) (ha) (3) Long term (2003-2018) (ha) Target production in short-term action program (10n)	ł	i (state) Fresh
(2) Medium term (2004-2008) (ha) (3) Long term (2009-2018) (ha) Target production in short-term action program (100)	- 3-4 Form or marketed products (iresti - processor)	1-
(3) Long term (2009-2018) (4a) (4a) (3argest production in short-term action program (100)	ς.	Control Control Control Control Wholesalers -
Target production in short-term action program (100)	5.5 Markenng channel (farmers - collector) moducinan -	+
	rowns - citics - export)	-t
		~
Uncertainty on invante Variate incommended	5.7 Form of future market demand (fresh - processed)	(state) i Présh
ro he roter-cronned (kind)	¢	
right(s) recommended to be well and the	(Presen	- 1
1. No. of contraction formers. (50.) 543	6-1 Existing processing facilities of the target fruit	(ithe) 1 No
(00.)	6-2 Processed products	(kind) 1 -
TOUCH THEAD SUBJECT AND ADDRESS OF ADDRESS O	(drying, canning, bottling, processed products, etc.)	
Distance to the District Antiception (12000 View View View (Km.)	6-3 Capacity of the processing facility	; (ton / day) -
	(Enhuncement Plunning)	-
	6-4 Kequired post-harvest handling activities	(kind) Clean / Sorting / Grading / Packaging
Koad class of the road to Subdistrict suppliate (1, 11, 5, 11, 1, 11, 11, 11, 11, 11, 11,	(cleaning, sorting, grading, processing, packaging, etc.)	
	6-5 Expecting processed products	i (kind) Fresh fruit for export
Distance to the nearest seaport auport	7. Infrastructure and Facilities	
Electritication	L_	(kind) (Nil
t	L	
	4.2 Possible where source for watering	(kind) Groundwater
		┢

Note : "Schimdt and Ferguson Method Source : Provincial Agricultural Scrvices Office and IICA Study Team

Table K-4 Profile of the Candidate Project Site for Orchard Development in South Sulawesi Province (15/15)

SS(RB)-4 Rambutan Barru Code : Target Fruit : District :

	in the second second	f.vo.	(100)	Description
 Present Farm Management & Seedling Production 		4. Agro-cology and Agro-climate		
1-1 Cultivated crops 1-1 Cultivated crops	Fallow land	4-t Topography (configuration of the site)	(jocki)	Flat, Undulating, Rolling to hilly
1-2 Average landholding size of the farm-household [(ha) [0.89	80	4-2 Slope	(*)	5-20
(µa)		4-3 Altitude (or elevation)	(a)	100-600
1-4 Prevailing cultivated varieties of the target fruit trees (vanety) i Loco	Local, Binjai, Lebak Butus	4-4 Annual rainfall	(uuu)	2,502
1-5 No. of planted target fruit trees		4-5 Chimate type (No. of wet and dry months)	(adv() {	82
1-6 Annual average production in last five years ((ton) .		(1) wet months	(no.&month)	(Vev-May) 7 (
		(2) dry months	(no.&month	(no.&month) 3 (Jul-Sep)
1-8 Current farmgate price of the fruit (Rp/ picce) .		4-6 Groundwater depth		
1-9 Production input utilization (manure & chemicals) (kind) -		(1) wet months	Ê	
1-10 Inter-cropping plant(s) Com	Ec	(2) dry months	(w)	1 60
Procurement of seedings (seed, nursery, PRAS, etc.) (source)	ed	4-7 Soil type	(((()))	Kegosol, Lathosols and Mediterranean
1-12 No. of PPNs and PPLs specialized in horticulture dev (no.) PPN	5PS(2)/PPL(58)	5. Marketing		
1-1.3 Existence of nucleus institution for grouping fruit (kind/ no.) Kelo	(kind/ no.) Kelompok Tani (225) /	(Present Market Situation)		
growing farmers (Kelompok Tan, KUD, etc.)	KUD (17) / Kiosk (225)	5-1 No. of local markers within 50 km eitcle from the site	(vo.)	×
(kind/no.)	BRI Unit (5)	5-2 Marketing channel (farmers - collector/ middleman -	(flow)	Farmers - Collectors - Towns/ Citics
Development Plan for the Target Fruit Growing		towns - citics - export)		
Target (priority) fruit (kind)	Rambutan	5-3 Present destination of the crops (local, subdistricts.	(destination) Local	Local
2-2 Development land area 2200	8	districts, provinces, towns, cities & export)	.~	
o 2003) (ha)	0	5-4 Form of marketed products (fresh - processed)	(state)	Fresh
0K) (ha)	Q	(Marketing Prospective)		
(ha)	00	4 5-5 Marketing channel (farmers - collector/ middleman -	(Uow)	Farmers - Farmers' Groups - Collectors/Wholesaler-
2-3 Target production in short-term action program (ton) 5600	8	towns - cities - export)		Towns' Crites - Exports
(ton)		5-6 Markeing target (district, province, city and/or export)	(targets)	Ujung Pandang
Vanery recommended (vanery)	Binjai and Lebak Bulus	5-7 Form of future market demand (fresh - processed)	(state)	Fresh
-cropped (kind)	Banana and secondary crops	6. Post-harvest Mandling		
Socio-economic Condition of the Site		(Present Processing Facilities)		
3-1 No. of candidate participant farmers (no.) 1228	28	6-1 Existing processing facilities of the target fruit	(type)	No
		6-2 Processed products	(kund)	-
(km.)	0	(drying, canning, botting, processed products, etc.)		
3.4 Distance to the District capital (Road class II) (km) 30		6-3 Capacity of the processing facility	- (ton / day) -	
3-5 Distance to the Subdistrict capital (Road class III) (km) (4		(Enhuncement Plunning)		
		6-4 Required post-harvest handling activities	(kind)	Cleaning / Sorting / Grading / Packaging
3-7 Road condition of the road to Subdistrict capital (material) Asphall	phalt	(cleaning, sorting, grading, processing, packaging, etc.)		
3-X Distance to the nearest seaport airport (km) 10		6-5 Expecting processed products	(kind)	Fresh fruit for export
(yes or no)	5	7. Infrastructure and Facilities		
3-10 Source of draking water (well, spring, river, etc.) (kind) i Well	16	N-1 Existing impation facilities for upland crops/ fruits	(KING)	Nit
		in and around the project site	i	
		8-2 Possible water source for watering	(kind)	Groundwater

Note : "Schindt and Ferguson Method Source : Provincial Agricultural Services Office and JICA Study Team

.

.

JICA

٦

,

.

,