

THE REPUBLIC OF INDONESIA

Study on Urban Renewal Housing Project

FINAL REPORT EXECUTIVE SUMMARY

DECEMBER, 1983

JAPAN INTERNATIONAL COOPERATION AGENCY





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THE REPUBLIC OF INDONESIA

Study on Urban Renewal Housing Project in Jakarta

FINAL REPORT

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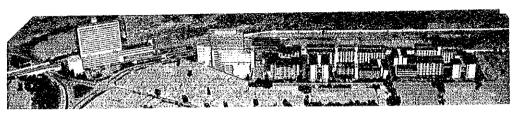
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BEFORE RENEWAL

A EXISTING MODEL OF SITE AREA

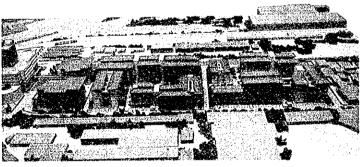
AFTER RENEWAL

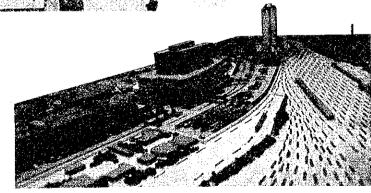


A PLANNING MODEL OF TOTAL SITE AREA



▲ PHOTO OF EXISTING CONDITION



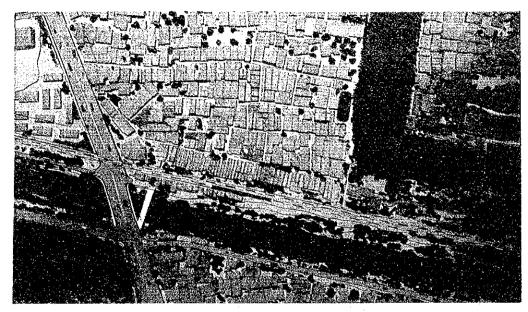


A MODEL OF COMMERCIAL/BUSINESS BLOCK

MODEL OF BEFORE & AFTER RENEWAL - MANGGARAI

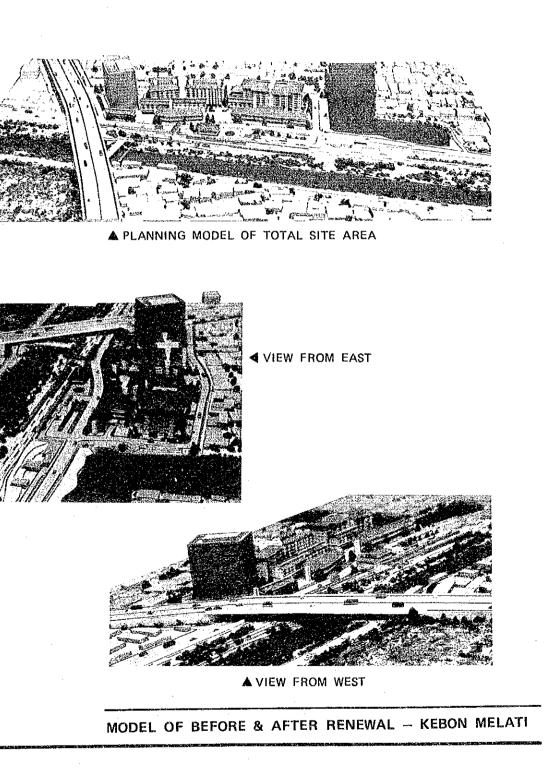
◀ MODEL OF HOUSING BLOCK

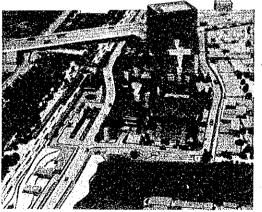
BEFORE RENEWAL



A EXISTING MODEL OF SITE AREA

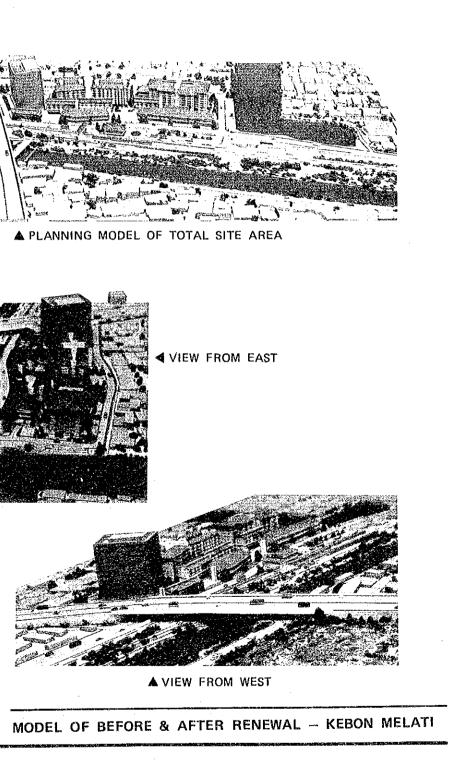
AFTER RENEWAL







A PHOTO OF EXISTING CONDITION



STUDY ON URBAN RENEWAL HOUSING PROJECT IN JAKARTA

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FINAL REPORT

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PREFACE

It is with great pleasure that I present to the Government of the Republic of Indonesia this report entitled "STUDY ON URBAN RENEWAL HOUSING PROJECT IN JAKARTA".

This report embodies the result of the study which was carried out in the Kebon Melati and Manggarai areas of JAKARTA from July 1982 to February 1983 (Stage I) and from June to September 1983 (Stage II) by the Japanese study team commissioned by the Japan International Cooperation Agency following the request of the Government of the Republic of Indonesia to the Government of Japan.

The study team, headed by Mr. Itaru MAE, Pacific Consultants International, had a series of discussions on the Project with the officials concerned of the Government of Indonesia and conducted a wide scope of field survey and data analyses.

I hope that this report will be useful as a basic reference for development of the Project and contribute to the promotion of friendly relations between our two countries.

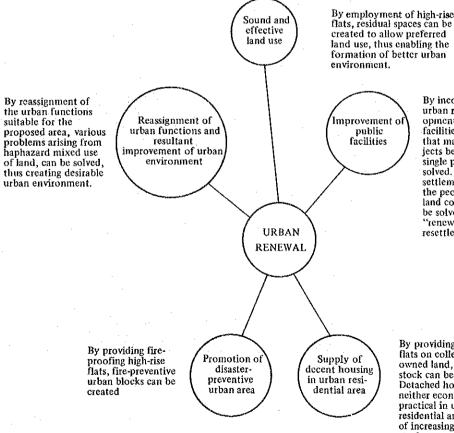
I wish to express my deep appreciation to the officials concerned of the Government of the Republic of Indonesia for their close cooperation extended to the Japanese team.

December, 1983

Keisuke Arita President Japan International Cooperation Agency

AIMS AND EFFECTS OF URBAN RENEWAL

- Urban renewal must be comprehensively planned and intensively implemented with inclusion of the following projects, to achieve maximum "multiple effects" of the project.
 - (a) Improvement of poor standard housing and living environment chiefly from the standpoint of social welfare;
- (b) Development or improvement of urban infrastructures; and
- (c) Improvement and reassignment of urban functions to reflect the city planning in terms of preferred land use.
- Following the government's guidelines, urban renewal must be oriented to cater for the low-income group constituting the majority of urban population, and at the same time be in principle self-financing or financially independent from the government development funding.
- The sites that necessitate urban renewal in Jakarta, may have different "faces", but in general, the aims and effects of the urban renewal in Jakarta can be summarised as shown below.



By incorporating into the urban renewal the development projects for public facilities, various problems that may arise if such projects be dealt with as a single project, can be solved. For example, resettlement problem of the people affected by land condemnation, can be solved by providing "renewal housing" for resettlers.

By providing high-rise flats on collectivelyowned land, more housing stock can be produced. Detached housing is neither economical nor practical in urban residential areas in terms of increasing housing stock.

OBJECTIVES OF THE STUDY

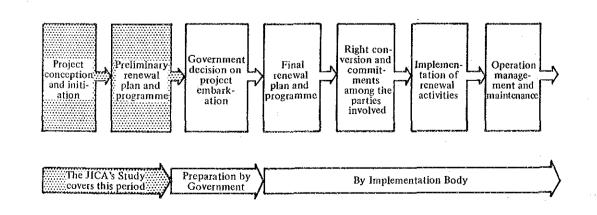
LOCATION MAP OF THE PROJECT SITES

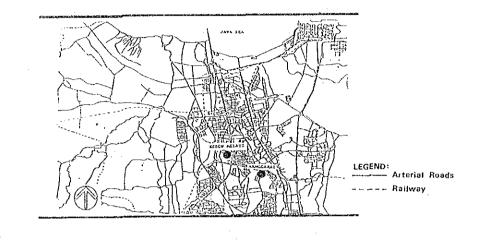
- The scope of work agreed upon on February 27, 1982 between the Directorate General Cipta Karya, Ministry of Public Works, Indonesia and JICA, stipulates the objectives of the Study as follows:
 - (a) To propose basic concepts for implementing urban renewal projects in Jakarta, in general, and in particular, selected study areas in Jakarta (Kebon Melati and Manggarai) in Stage I;
 - (b) To perform feasibility studies for the urban renewal projects to be initiated at the project sites selected in the study areas in Stage II; and
 - (c) To perform technology transfer to Indonesian counterpart personnel in the course of the Study.

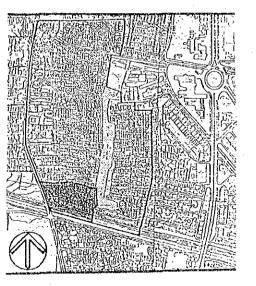
More specifically, the ultimate objective of the Study is to provide a "Preliminary Urban Renewal Plan" to the selected project sites which may serve as the sound basis for the Governmental decision making process prior to embarking the urban renewal projects.

The Preliminary Urban Renewal Plan shall include fairly accurate plans and programmes on land acquisition system, right conversion system, cash-flow analysis, physical planning, project scheduling, project organization, etc., yet it still needs to be elaborated through more accurate physical inventory survey (e.g. real estate measurements) and marketing research (e.g. feasibility of commercial developments). This is also true when considering the circumstantial changes of the sites which may occur by the time of actualization of the project.

The following is a work flow which may be followed by the project and the position of the Study relative to the series of works.





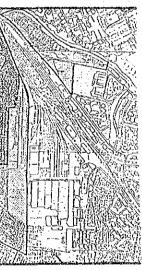


PROJECT SITE IN KEBON MELATI (3.6 ha.)

PROJECT SITE IN MANGGARAI (7.6 ha.)



LEGEND



- The urban renewal is a project that belongs to the city planning pursuing civil benefits, and in this context the government's non-involvement in financial terms appears to be neither realistic nor reasonable. The point is how the government can effectively and efficiently support the projects at the least possible cost. and the subsidy and financial defrayment should be considered along this line.
- Legal, institutional and organizational adjustments are needed. However, the commencement of the proposed project could not wait until everything becomes ready. Nor could it be wise in that such adjustments would become more realistic and substantial through experiencing real problems in implementing the project which may be regarded as a "pilot" project.
- B Organizations for urban renewal can be structured in various ways, e.g. local or central government, or public corporations or civil associations. However, urban renewal projects in Jakarta need to include intensive development of infrastructures, and most of these developments are financially and technically controlled by the central government agencies. Under the circumstances, particularly in consideration of the character of the project as the pilot one with fairly large scale, it is recommended that Cipta Karya will be best suited as the implementation agency and the actual execution assumed by PERUM PERUMNAS.
- A concept of "cross-subsidization" is essential to comply with the government's guidelines on project financing. The cross-subsidization appears to be synonymous with the "redistribution of income" between the socio-economical "dual structure" which predominantly exists in Indonesia. More specifically, the cross-subsidization becomes more substantial if urbane, modern (westernized) and wealthy structure be incorporated in the urban renewal in the form of "revenue-producing projects". Furthermore, to allow this, sites need to be advantageously located to assure the marketabilities of such revenue-producing projects.
- Because of the existence of Kampungs that characterise the city of Jakarta in both qualitative and quantitative terms, the urban renewal should be primarily focussed on the improvement of Kampungs to attain sound and effective land use in a way consistent with the city planning. The improvement, however, always creates a serious problem as to how the socially weak and economically poor people can be safeguarded without being exploited by the project. Planning policy should be directed to rehouse as many inhabitants as possible, providing with decent houses in their original place of living. To allow this, considerable help of the Government may be inevitable in light of their low economical capabilities.
- The urban renewal should be oriented to induce the people's efforts to acquire better life with reasonable financial obligations for purchasing new houses or maintaining their own community facilities. The citizen have to learn that the city life costs them not only moral but also economical accountability.

- Han urban renewal project should be comprehensively planned and intensively implemented to achieve maximum multiple effects and equitable distribution of development benefits accrued by the project.
- The urban renewal can be implemented by civic associations (housing cooperative) in the future when the urban renewal has become more familiar to the citizen and convincible of its merits. The government's support and guide are essential to foster the urban renewal projects by civic associations.
- Unlike infrastructure developments, economical appraisal of urban renewal projects may face the difficulty that effects and benefits are by and large of the nature not quantifiable in money terms and have "intangible" merits which will defy quantification. However, it should be borne in mind that this would never lessen the feasibility of the projects.
- The urban renewal per se will never present a definite panacea against the city problems which are largely attributable to many other "fundamentals", but will be an effective and versatile tool to improve existing urban structures which are outmoded to cope with current problems and needs.
- In place of the conventional purchase-of-land method, the right conversion method should be encouraged to minimise initial investment and to maximise resettlement rate, thus mitigating project cash flow and achieving the objective to improve the living environments of the people.
- In financial terms, the financial burden to be borne by the Government is for the subsidy applicable to the selected cost items and the defrayed costs for improvements to the public facilities involved, which accounts for about 30 percent of the total implementation cost. This is a very important character inherent to urban renewal projects, distinct from ordinary infrastructure development projects. In other words, the Government or the implementation body can initiate an urban renewal project with arrangement of the budget of about 30 percent of the total cost plus operational funds which will be normally recoverable from revenue-producing projects.

RECOMMENDATIONS 3

IMPLEMENTATION METHODS 4

Three Alternative Methods of Urban Renewal Project

(a) Purchase-of-land method

This is the conventional method to acquire the necessary land for public projects. In a built-up urban area, particularly where densely populated, over-crowded urban residential areas like Kampungs, this method appears to be less workable due to difficulties in evaluating the piecemeal rights of the people on the fragmentary land ownership before renewal.

(b) Right conversion method

To avoid the disadvantages of the purchase-of-land method as above mentioned, this method was developed originally from the method of "land readiustment" (KUKAKU-SEIRI). In this method, the rights to the land and buildings before renewal are converted to the new rights after renewal. The supreme objective of this method is to make the best possible effort to form an agreement on the urban renewal project amongst the inhabitants involved, thus aiming at maximising the resettlement rate.

(c) Reserved right-conversion method

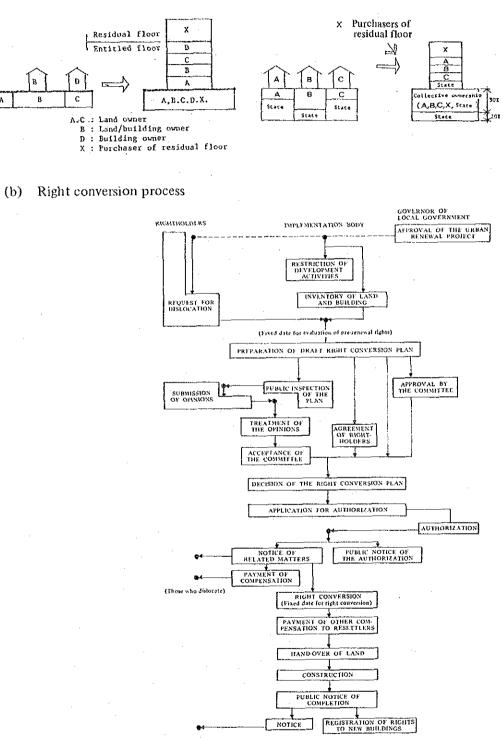
This is a variation of the right conversion method by introducing the merits of the purchase-of-land method. In this method, the rights before renewal are once purchased and the payments are deposited until requested by the rightholders to withdraw the amount for dislocation. For those who request to be resettled in new houses, the rights after renewal will be provided in the same manner as the ordinary right conversion method.

In this report, the right conversion method (b) is recommended as best suited for the proposed projects in that the method would maximise the resettlement rate and thus minimise the financial burden of the implementation body.

Right Conversion Method

(a) Principle of the method

In accordance with the right conversion system, the rights before renewal will be converted to the rights after renewal as shown below. According to this method, the land ownership of the State can also be converted to the part of the entitled floor in proportion to its rights before renewal. This Government's entitled floor can be allocated for use of public facilities or for supply of housing to the low-income people to serve as social welfare.

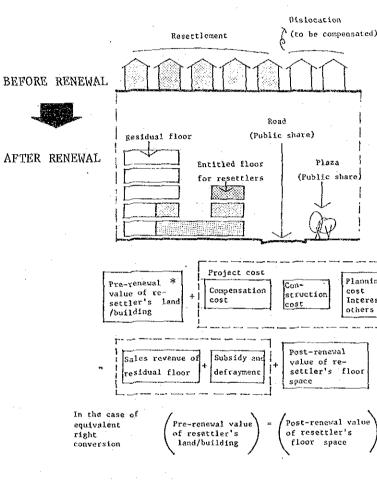




OUTLINE OF PROJECT FINANCE 5

- The expenses to be incurred by the implementation body are as follows:
 - (a) Compensation for the land and buildings, to be paid to the rightholders who will dislocate to other places without being resettled.
 - (b) Compensation for any loss or damage incurred by the rightholders during the course of construction, such as compensation for suspension of trading, temporary housing, etc.
 - (c) Implementation expenses for planning and design, construction of public facilities and housing/buildings, interests against loan, etc.
- The revenues that shall be recovered by the implementation body, are as follows:
 - (a) Revenue from lease or sales of the residual floor or land which are normally developed for commercial or business use in expectation of higher productivity.
 - (b) Susbidy^{*} from the government which covers part of the compensations of the first two above, and part of the implementation expenses of the above.
 - (c) Defrayments from the management agencies responsible for public facilities, the maximum amount of which is estimated on the assumption that the improvement would be done as an independent project by the "purchase-ofland" method.

Relation between "project" and "finance"



- * The Government's subsidy may be granted for the following reasons.
- Encouragement of urban renewal projects.
- Compensation for the loss or damage suffered by the people due to the projects (suspension of trading, temporary housing, etc.).
- Compensation for extra costs needed to develop built-up area (planning and design of the right conversion, land preparation, etc.)
- Financial share for the costs paid for the construction of the facilities for public use (open space, corridor, elevator, staircase, utilities, public hall, etc.).

* Relief to poor rightholders

In planning the right conversion, the following countermeasures should be considered to the persons who cannot obtain reasonably adequate floor area.

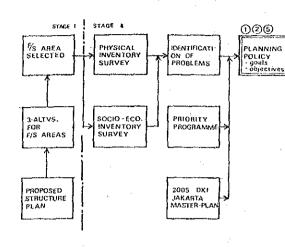
- Sell or rent the necessary additional floor to such inhabitants by reallocating the state's entitled floor at a subsidized price or rent according to the Government policy. In the Study, financial analysis does not include the possible repayment for the added floor as the revenue of the implementation body.
- To those who wish to dislocate, the implementation body should help them to find their new home such as other low-income housing,

Planning Interest

FLOW CHART OF THE CHOICE OF ALTERNATIVES : PRELIMINARY URBAN RENEWAL PLAN (P.U.R.P)

CONCEPT PLAN

"Macro-setting" (3)



As urban renewal has the nature of improving existing urban structures in a selected limited area in pursuance of the local redevelopment plan (structure plan), choice of alternative planning concepts is normaly narrowed because of the limitations of existing demographic, geographic, socio-economic, planologic, methodologic features and constraints attached to the site.

The above flow chart shows the choice of alternatives, linked to the flow of the Stage-II Study starting from inventory surveys through to the establishment of a preliminary urban renewal plan. Before arriving at the ultimate plan, plans are examined for desirability through the two processes as shown in the figure, one is "macro-setting" for the concept plan and the other is "micro-setting" for the preliminary urban renewal plan.

The table shows the alternatives on the major items chosen in the study process.

| | | 1 A | | | |
|---|---|--|---|--|--|
| | | | | | |
| . · · · | | ALTERNATIVES CHO | SEN IN THE STUDY PROCESS | C |]: Chosen alternatives |
| 1 REGIONAL SETTING | 2 CHARACTERISTICS OF URBAN RENEWAL | 3 HEIGHT OF BUILDING | 4 HOUSING LOT 4 PLANNING | S IMPLEMENTATION METHOD | 6 RESETTLEMENT RATE |
| a. City centre or sub-centre type b. District centre type c. Other functional assignments | a. Predominantly linked with infrastructure improvements b. Aimed at improving housing and build- ing | a. High-rise bldg. b. Mid-rise bldg. c. Low-rise bldg. | a. Open-gallery typeb. Single-corridor typec. Staircase typed. Twin-corridor typee. Inner corridor typef. Court type | a. Porchase-of-land b. Right conversion c. Reserved right conversion | a. 100% [b. 75%] e. 50% |
| Manggarai is character- ized as a city sub- centre, whilst Kobon Nelati as an urban residential area | Both project sites need incorporation of infrastructure improve- ments into the proposed urban renewal projects | To realise sound and effective land use, it is essential to exploy high-rise buildings from economic and physical aspects | Open-gallery type is chosen in that it enables dense layout of buildings, preserv- ing existing neigh- bourhood atmosphere | Right conversion mathod is chosen in that it lessens initial investment, raises resortlement rate and enables equitable dis- tribution of develop- ment benefits | Referring to the socio- economic survey data, 75% is employed as a reasonable maximum rate that may likely happen |
| 7 REVENUE-PRODUCING 7 BUILDINGS | 8 ECONOMIC FEASIBILITY | 9 SUBSIDY SYSTEM | 10 DEFRAYMENT | 11 RIGHT CONVERSION | 12 IMPLEMENTATION ORGANIZATION |
| a. No b. Yes <u>Commercial</u> <u>Office</u> <u>Hotel</u> Nousing Others | Regarding tangible benefit a. Development benefits by effective land use b. Benefits from infra improvement c. Other benefits | a. Selective subsidy b. Lump sum c. Deficit-pay | a. Yes b. No | Regarding public land a. Converted as a right before renewal b. Not converted | a. PERUSCIAS b. DKI Jakarta c. Quasi-public corporation d. Civil association |
| Project in Manggaral includes commercial, office and hotel facil- itles to satisfy sub- centre functions. Whilst, project in Kebon Melati includes neighbourhood shops and office buildings | The above two benefits are quantified in monetary terms and other benefits are dealt with as intangi- ble benefits that defy quantification | Subsidy must be selec- tively applied to the items which are parti- cularly required for urban renewal projects, taking into consider- ation the public bene- fits that may be accured by the projects | One of the important aims of the urban re- neval is to improve related Infrastructure simultaneously. This may justify the financial defrayed costs of the respective agencies responsible for the public facility | The value on land before renewal are converted to the right on floor after renewal. The value on land is to be shared by the state against its right, thus the entitled floor after renewal is proporsion- ally shared by the state | a. or b. is preferred in consideration of public purpose. Of a. and b., a. is re- commended because of its experiences in housing development and accountability for urban development |

STAGE U

PRELIMINARY URBAN RENEWAL PLAN

"Micro-setting"(46)(8900)

GOVERNMENT

DECISION

SUMMARY-MANGGARAI 7

Environments of the Area

- (a) 2005 Master Plan of DKI Jakarta designates the area as a city subcentre.
- (b) JABOTABEK railway improvement programmes indicate betterment of the Manggarai station.
- (c) The area presents poor living environment with extremely high population density and lacks public facilities.
- (d) About 140 home industries manufacturing "kompor" located in the area are scheduled to move out to the new small industrial complex in Pulo Gadung.

Renewal Plan

The project includes:

- (a) Improvement of public facilities such as station-front plaza, major roads, bus terminals, public utilities, community facilities.
- (b) Realization of effective land use around the station to assign a subcentre function.
- (c) Improvement of living environment such as decent flats, parts, etc.

The implementation is divided into two sections in consideration of the execution scale and priority, and each section can be financially independent.

Implementation Cost and Schedule

| The implementat | ion cost | Unit; | Million Rp. |
|--|--------------------|---------------------|----------------|
| Childreith Anna An Canna Maria an Anna Anna Anna Anna Anna Anna Anna | Section-I (Rp.) | Section-II (Rp.) | Total (Rp.) |
| Implementa- tion cost | 32,500 (100%) | 34,300 | 66,800 (100%) |
| Subsidy | 3,600 (11%) | 3,100 | 6,700 (10%) |
| Defrayment | 5,000 (15%) | 2,700 | 7,700 (12%) |
| Sales revenue of residual floor | 23,900 (74%) | 28,500 | 52,400 (78%) |

(b) Floor unit cost

| F21 | 93,300 Rp./m ² | |
|---------------|----------------------------|--|
| F26, F36, F54 | 115,000 Rp./m ² | |

(c) Right-convension rate on land and floor area : approximately 1.0

- (d) Added floor against the extremely poor rightholders should be reallocated from the state's entitled floor obtained by the right conversion method.
- (e) Implementation schedule is planned to be,

Section-I : 5 years including urban renewal planning Section I+II : 8 years including urban renewal planning

Financial Analysis

FIRR (Financial Internal Rate of Return): Section I : 7.9% Section II : 9.4%

Financial analysis shows that should the loan with the following conditions be available, the project could produce surplus (profit) at the end of the amortization period and the surplus could offset the financial burden of the Government.

- Foreign soft loan for the portion of : 20-year amortization including 5foreign currenty
- Local loan for the portion of local currency

B Economic Analysis

As a result of economic analysis, the project is feasible and greatly contributes to the national economy.

| IRR | (Internal Rate of Return) | : 18% |
|-----|---------------------------|------------------|
| NPV | (Net Present Value) | : Rp. 7,366 mill |

year grace at 5-percent interest

: 20-year amortization including 5year grace at 12-percent interest.

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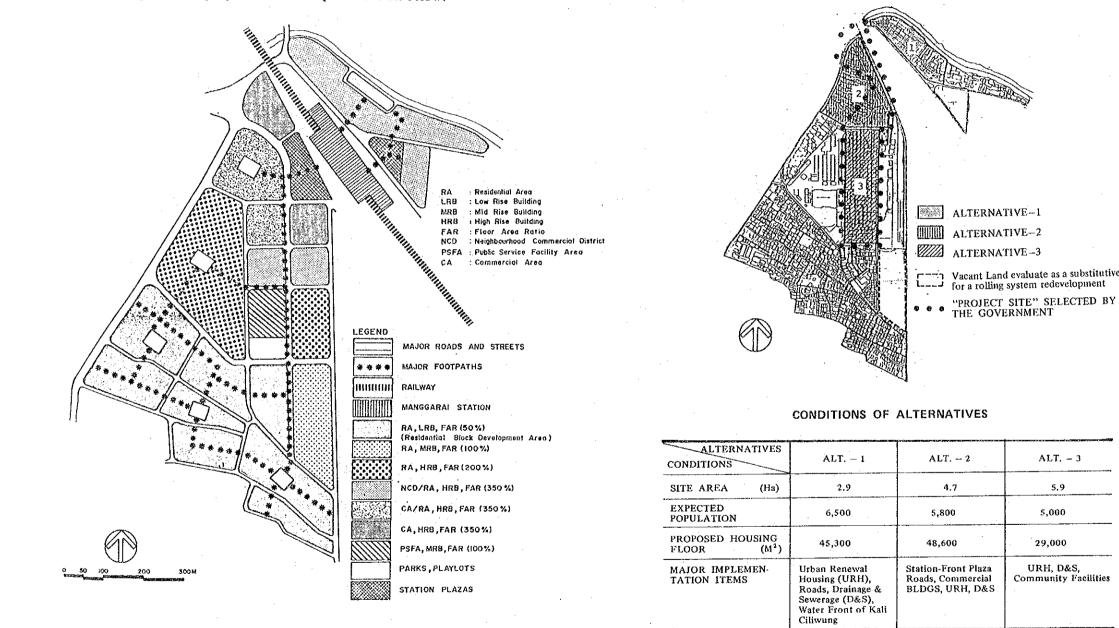
STRUCTURE PLAN & SELECTED PROJECT SITE -MANGGARAI 8

STRUCTURE PLAN

Accoording to the Preliminary DKI Master Plan for the year 2005, Manggarai will be redeveloped in the future as mixed commercial, business and residential areas with sub-centre functions, linked with railway improvement programmes involving a station-front plaza. The proposed structure plan is shown below.

PROJECT SITE SELECTED

Three alternative sites for feasibility studies were recommended, of which the site marked as "Project Site" was ultimately selected by the Government.



PROPOSED STRUCTURE PLAN IN MANGGARAI

Vacant Land evaluate as a substitutive land for a rolling system redevelopment

ALT. - 3

5.9

5,000

29,000

URH, D&S, Community Facilities

DESIGN CONCEPT & LAYOUT PLAN - MANGGARAI 9

Supply of low-cost housing and adequate community facilities

- In general, 8-storey flats are designated.
- In every flat, open galleries are designed to provide community spaces.
- Public open areas are provided for playground, garden and sports field, etc.
- Manggarai mall (a pedestrian road connecting residential area to the Manggarai station) is designated to provide a multi-functional open space.
- Development of station-front plaze
 - Relocation of existing bus terminals to the station-front plaza
 - -- Elevated pedestrian deck which separates the pedestrians from the road services.
- Development of commercial and business facilities in front of the station-front plaza
 - A block

A middle-class hotel of 20 storeys with 300 rooms. The hotel will become a land-mark of the Manggarai area.

-- B block

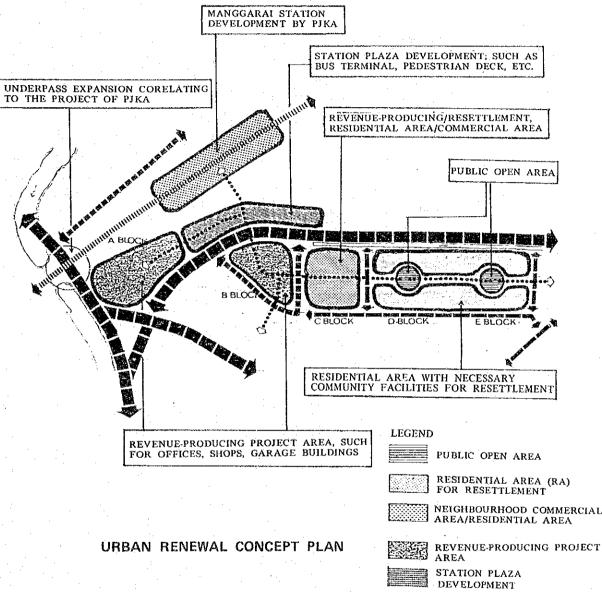
A shopping centre (from 1st floor to 6th flloor) and a office (from 7th floor to 12th floor)

- A and B blocks are connected to the station-front plaza with the elevated pedestrian deck.

25 m wide road

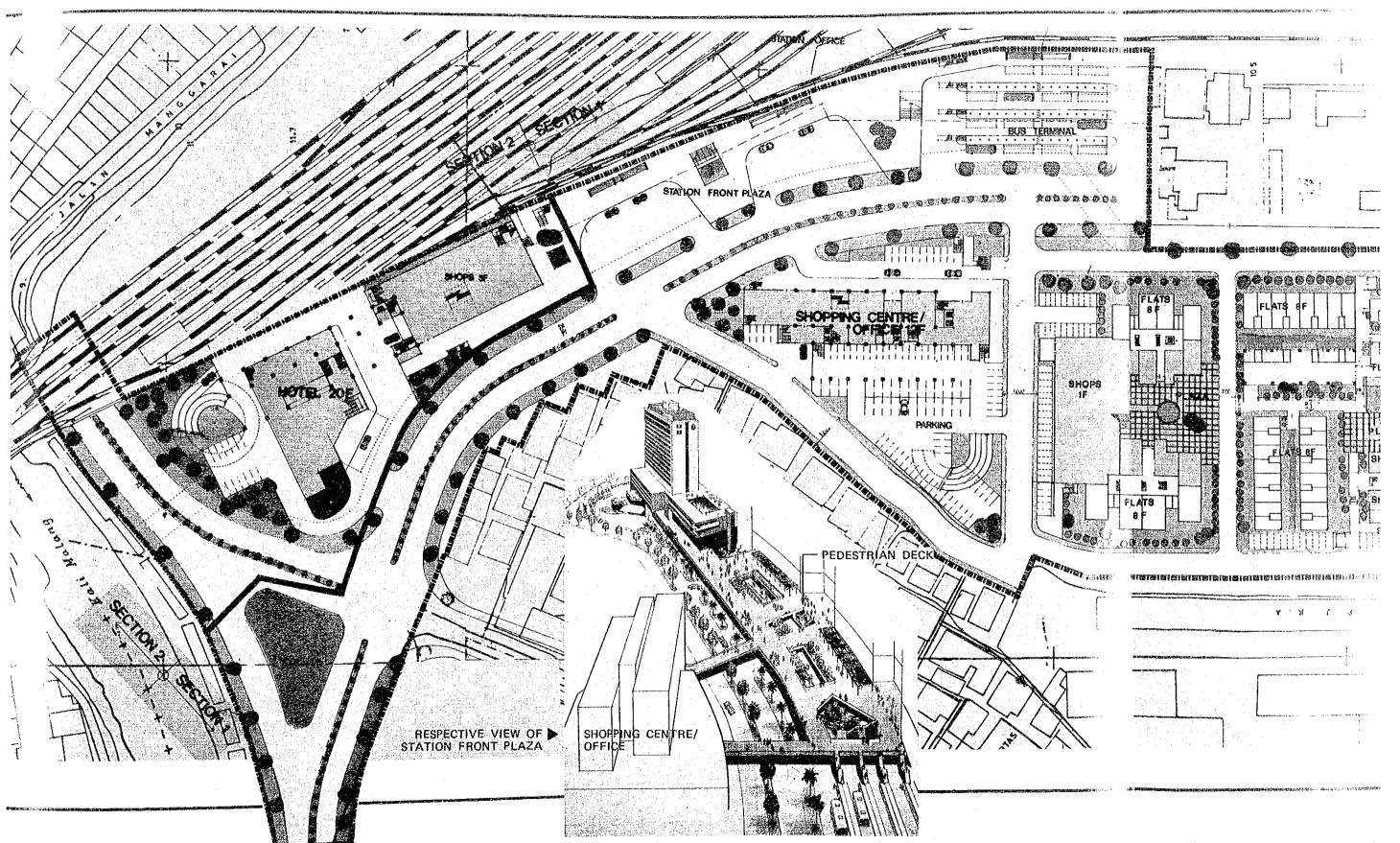
25 m wide road (R.O.W.) is designated for access to the station-front plaza.

25 m wide road will serve as a future main road connecting the north and the south areas of the Manggarai district.

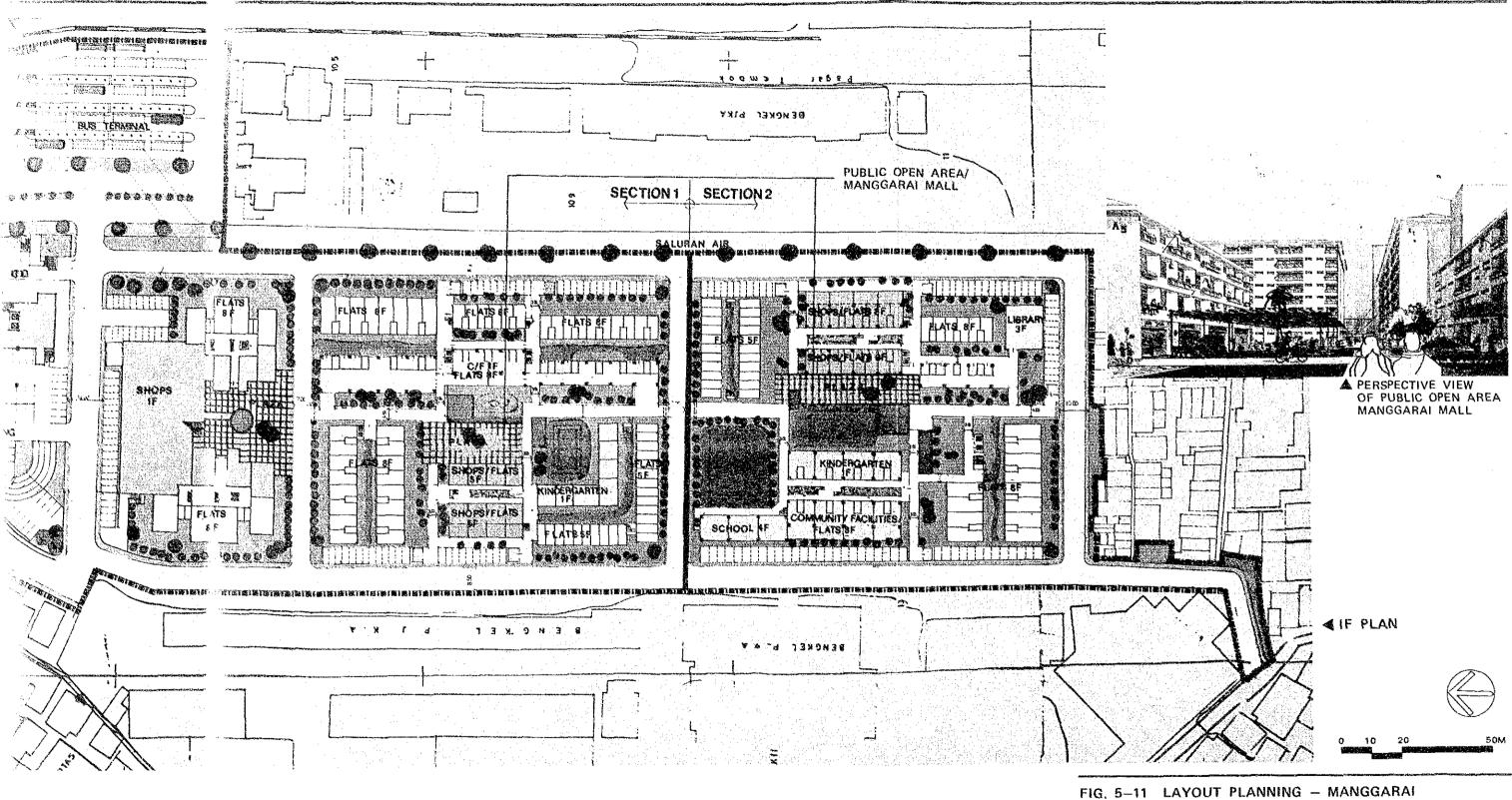


- NEIGHBOURHOOD COMMERCIAL AREA/RESIDENTIAL AREA

- MANGGARAI STATION DEVELOPMENT
- MAJOR ROADS
- ■顧編課 SECOUNDARY ROADS
- NEIGHBOURHOOD ROADS
- **AGGGO MAJOR FOOTPATHS**
- DHIIII RAIL WAY



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MANGGARAI

Section 1

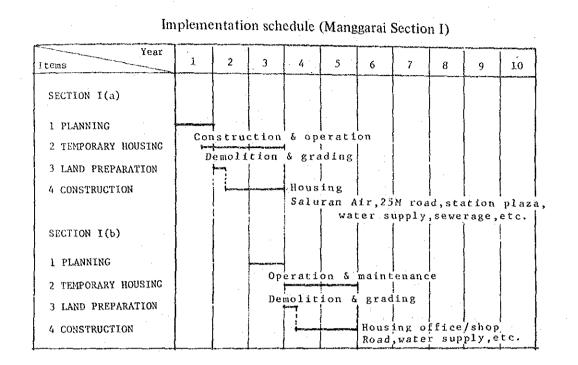
| | 1 | | | | | P | esent | | | | | • | م | |
|-------------------------|-----------|---------------------|--------------------|---|------------|------------------------|----------------|---------|----------|---------------|---------------------------|------------|------------|----------------------------|
| General | 1 | | Majot r | oad. | | 1,900 | | | 1.6% | 1 12 | 900m ² | 4n 24.6 | ~ | Remarks |
| Condition of Plan | | ľ | Neighbo Road | | 00đ | 5,400 | ~~~~~ | |).8% | | 600 | 15.2 | | |
| | Land Area | | Station plazs | fron | ıt | Bus tern 1,800 | ninal | | 3.6% | 6, | 900 | 13.0 | <u>r</u> , | |
| | tr ç | P ab | River | | | 1,600 | 1 | 3 | 3.2% | | 0 | 0 | 76 | |
| | 1 | | Others | | | (|) | | 0% | | 0 | 0 | % | |
| | | | Sub-tat | 8l | | 10,600 | | 21 | .2% | 26, | 800 | 53.5 | 76 | |
| | | Bui | ilding lo | t are | а | 39,450 | | 78 | 8.8% | 23, | 250 | 46.5 | % | |
| | | Pto | oject are | э | | 50,050 | k | 2 | 00% | 50, | 050 | 100 | χ. | |
| | | Ho | use | | - | 31,900 |) | | | 40, | 610 | | | Private Floor 32,330 |
| | ÷ | Sho | <u> </u> | | | 1,000 | | | | | 740 | | | 9,370 |
| | 1 51 | 0(| | | | . (| | | | 13, | 000 | | | 8,220 |
| | 2 | Ro | | | | C | | | | l | 0 | | | 0 |
| | Flor | · | rkshop | | | 4,100 | | | | ļ | 0 | | | 0 |
| | | | park | | | C | | • | | | 450 | · · · | | 10,450 |
| | | | blic buil | ding | s | 400 | | | | | 570 | | | 570 |
| | Ľ | To | | | | 37 400 | | | <u> </u> | 79. | 370 | - 74 | | 60,940 |
| | <u>+</u> | | area tati | | | i | | 5% | | | | <u>5%</u> | | |
| | <u> </u> | | ige ratio | | | <u>-</u> | | 55 | | | | 9% > | - | |
| | <u> </u> | | er of ho stion | u 5381 | | | 6.0 | 50 | | | 84 6.05 | | | |
| | [10] | | | | | | | · · · · | T | L., | 0.05 | | _ | L |
| ype of housing | Ту | | Private Floor a | realo | ······· | s lype | Priva Floor | area | of | | | | | |
| | F2 | -+ | 21.0 | n² | 235 | F54 | | .7m * | 12 | | | | |] |
| | F2. | · | 27.4 | _ | 240 | F70 | 76. | .5 | | 50 | { | | | |
| | F3 | 6 | 38.6 | <u> </u> | 128 | F100 | 105 | | 1. | 50 | | | | t in the state |
| fommunity acilities | Kir | nder | rgarten | | . 1 | Morse | ue | l | · | 1 | | | ł | |
| number) | Me | etin | g hall | | 1 | - | | + | | | | | 1. | |
| inancial plan | Ì | | Reve | กมะ | | | Expe | ndit | ure | | J | tem o | f Su | bsidy |
| | Sul | osid | | | ,589 | Plann | | T | 1,74 | 1 | Plannin | | Ť | 1,161 |
| * (Rp.J.000.000) | | ~ | ment | 4 | ,998 | Land Prepa | ration | | 43 | | Land Prepar | ation | | 1,073 |
| | | resid | Revenue dual | 23 | ,939 | Сотр | ensatio | on | 62 | 6 | Constr | uction | | 1,184 |
| | | ~ | | <u>ا </u> | | Const | ruction | 1 2 | 3,48 | 1. | Over h | ead, e | tc. | 171 |
| | 1 | | | ł | | | enance | -+- | 53 | | ltem o | f Defr | ayn | nent |
| | | | | 1 | | Overh | ead et | c. | 1.52 | 6 | Land C | ost | T | 2,916 |
| | 1 | | | Į | | Conti | ngeney | | 2,34 | 8 | Constr | uction | | 1,395 |
| | L | | | | | Intere | st | | 1,83 | 0. | Сотре | nsatio | m | 449 |
| | To | tal | | 32 | ,526 | Total | | 3 | 12,52 | 6 | Overhe | ad, et | c.] | 238 |
| 'nit floor ost | Ho (F: | use 21) | | louse 25-F | (2) 54) | Hous. (F70,F1 | (3) 00) S | hop | (1) | Com facili | munity ity | off | ice | Shop (2) |
| Rp. 1000/m ¹ | [| 93. | .3 | 11 | \$ | 159.2 | | 207. | 3 | 20 | 7.3 | 1,16 | 1.0 | 1,672.2 |
| Right-conversion | for | or a rigi der | | 9 23 | 7m² | Conve rate (lend | [| | | 1.0 | Conver rate (land a | - 1 | | 1.0 |

.

| | | | | | Se | ctic | 'n | 11 | | | | | | |
|-------------------------|--|-----------------------|------------------|----------|----------------|----------|------------|---------------------|--------------|-------------|-----------------|-------|-------------------------------|------------------------------|
| | | | | | | | Pr | esent | | T | | | Plan | Remarks |
| Seneral . | | _ | Major r | road | i | 1 | - | 0m² | - | 5.1% | | 400 | | |
| Condition of | | Use | Neighb Road | our | hood | 2 | ,901 | 0 | , | J.3% | <u> </u> | ,300 | n ³ 13.3% 16.8% | |
| | and Area | Public U | Station plaza | fre | ont | 0 | | | 0% | | 0 | 0% | | |
| | and | Pu | River | | | 1 | .400 | 0 | | 5.5% | | 0 | 0% | 1 |
| | " | | Others | | | | 500 | 0 | | 1.9% | | . 0 | 0% | 1 |
| | | | Sub-to | tal | | .6 | .100 | 0 | 2 | 3.8% | 7 | ,700 | 30.1 | |
| | <u>۲</u> | | ilding lo | | ea | 19 | ,500 | D | 7 | 6.2% | 17 | ,900 | 69.9% | • |
| | \square | Project area | | | 25 | .600 | 0 | 10 | 0 % | 25 | 600 | 100% | | |
| | | House | | | | 12 | ,090 | 0 | |] | 21 | ,650 | | private floor n 17,230 |
| | | Sha | | | | ı | ,300 | D | | | 7 | ,900 | | 5,140 |
| | Vie V | <u>Ol</u> | ice | | | | (| 0 | | | | 0 | | 0 |
| | _ | Ho | tel | | | | (| 0 | | | 23 | 1,530 | | 16,010 |
| | FUO | Wo | rkshop | | | | 200 | D | | | | 0 | | C |
| | | _ | park | | | | | 0 | | | | ,330 | | 11,330 |
| | ł . F | | lic buil | din | <u>gs</u> | | 566 | | | | | 1,640 | | 2,640 |
| | –…ւ | Tot | | | | 14 | .090 | | | | 67 | ,050 | 311% | 52,345 |
| | J | | area rati | | | | | | 727 | | | | _ _ | |
| | <u> </u> | _ | ge ratio | | | | | | 55? | ć. | | | 49% | · · |
| · · · | | Number of housing uni | | | | | | | | | | | \$20 | · |
| | Pop | Population | | | | | | 2.7 | 50 | لمحج | | | 2,750 | |
| ype of housing | Тур | vne Private Numbe | | | | | pe | Private Floor ar | | | mber | | | |
| | F21 | + | Floor a 21.00 | | of unit 110 | <u> </u> | | F100F | | | 6 | | | |
| | F25 | | 27.4 | | 202 | | -+ | | - | | · | | | |
| : | F36 | - | 38.6 | | 115 | _1 | -† | <u> </u> | | | | | | |
| ommunity cilities | Fler | mer | ltary | <u> </u> | | Me | etin | g hall | Γ | | 1 | Libra | it. | . 1 |
| umber) | <u> </u> | - | garten | | 1 | | squ | | | | 1 | | | |
| | | | | | | | | <u>ا</u> | | | | | | |
| nancial plan | <u> </u> | | Reve | · ~ ~ | 3,118 | | nsii | Expe | na t | 1,85 | - | Flanı | Item of S | 1,258 |
| | Sub | 110 | <u>y</u> | | · · · · · | La | | | -+ | | | Land | | |
| (Rp.1,000,000) | Defi | ray | ment | | 2.657 | | | ation | | 16 | 2 | | aration | 505 |
| | Sale of r floo | esic | levenue Iusi | 2 | 8,495 | Co | npe | nsətid | n | 35 | 3 | Cons | truction | 1,207 |
| | | <u>.</u> | | | | Co | astr | uction | , | 25,45 | 4 | Over | head, etc. | 148 |
| | | | | | | <u>}</u> | | nance | + | 24 | | · | of Defray | L |
| | | | ļ | | · . | | | ad etc | -+ | 1,65 | | | Cost | 288 |
| | | | | | | | | gency | | 2,54 | | | truction | 2,200 |
| | ÷., | | . | [| | · | eres | _ | | 1,97 |) | Com | pensation | 42 |
| | Tot | 81 | | ļ | | To | al | | | 34,27 | 5 | Over | head, etc. | 127 |
| it floor | Hov | se | | | e (2) | Shop | (I) (I) | | oni scili | munit iv | M | etal. | Shop (2) | Car parkin |
| Rp. 1000/m ² | (F2 92 | 1) 1.7 | | | -F54) | 15- | - | | 208 | | $\frac{1}{1}$ | 87.0 | 1.750.3 | 43.3 |
| ight-conversion | 92.7 114.0 Floor area for right 13,358m ² | | | rate | | rea) | | 0.9 | | rate | ersion area) | 1.3 | | |

Section I + II

| | TT | | | T | P | esent | | | | PI | ian | Rer | narks |
|---------------------------------|-----------|-------------------------|--------------------|--------------------|----------------|------------------|-------------|----------------|--------------|----------------|-----------|----------------|-------------|
| General | ĺĺ | Majo | TOA | 1 | 3,100 |)n1 ¹ | | 4.1% | 1 | 5,700m | 120.8% | | |
| Condition of plan | | Neigh | | rhoud | 8,30 |) | 1 | 1.0% | י | 1,910 | 15.7% | ļ | |
| | and Area | Stati plaza River | | ont | 1,80 |) | | 2.4% | | 6,900 | 9.1% | | |
| | P | River | | | 3,008 | <u> </u> | | 4.0% | 1 | 0 | 0% | | |
| | 13 | Othe | | | 50 | | | 0.7% | | 0 | 0% | | |
| | | Sub- | otal | | 16,70 |) | 2 | 2.1% | 3 | 4,500 | 45.6% | | |
| | | Building | lot a | rea | 58,95 | , | 7 | 7.9% | 4 | 1,150 | 54.4% | | |
| | 10 | Project | ires | | 76,60 |) | | 100% | 7 | 5,600 | 100% | | |
| | Π | House | | | 43,99 | 3 | | | 6 | 2,260 | .• | Prival | e floo |
| | | Shop | | | 2,300 |) | | | 2 | 2.640 | | | |
| 1 | Arca | Office | | | (|) | | | } | 3,000 | | <u> </u> | |
| | | Hotel | | · . | (| | | | 2 | 9,530 | | 5 of | 5 |
| | 1501 | Worksho | <u> </u> |] | 4,300 | | | | ļ | 0 | | Ref. Tables of | section |
| | 1 6 | Car park | | | | | | | L | 1,780 | | Ë | ž.— |
| | 4 F | Public b | uildir | 1gs | 900 | <u> </u> | | | <u>i – i</u> | 3,210 | | - Rei | cach |
| | <u>-1</u> | Total | | | 51,490 | | 7% | | 14 | 5,420 | <i>a</i> | | |
| | | or area r | | | | | 0% | | | 302 | | | |
| | · | erage ra nber of | | na voit | | | 078 | | <u> </u> | 1,363 | | | |
| | - | ulation | | | | 8,800 | | | | 8,800 | | | |
| | 1 | | | <u></u> | ~~~ | | | <u>Ty</u> | <u></u> | | | <u></u> | |
| Type of housing | Typ | Priva Floo | | Number of units | Type | Priva Floo | | Num a of ur | | | | | |
| | F 21 | | | 345 | F54 | 52 | .7m | 2 21 | 6 | | | | |
| | F25 | | 1 | 442 | F70 | 76 | .5 | 6 | 0 | | | | |
| | F36 | 38. | ; | 240 | F100 | 105 | | 6 | 0 | | | _ | |
| Community facilities | Eler | mentary | | 1 | Meeti | ng hali | | | 2 | Librar | у | | 1 |
| (number) | <u> </u> | dergarte | n | 2 | Mosa | ue | 1 | | 2 | | | | |
| Financial plan | ╉┈╍ | <u>р</u> . | <u>. L</u> venu | | + | Exp | <u>ihne</u> | ture | | 1 | item of S | ubsidy | |
| r manotal pton | Sub | sidy | T | 6,707 | Plann | | - T | 3,67 | 8 | Pianni | | | ,419 |
| | h | rayment | | 7,655 | Land | ration | | 60 | - 1 | Land Prepar | | | ,578 |
| * (Rp.1,000,000) | | esidual | ue | 52.343 | Comp | ensati | on | 97 | 9 | Constr | uction | 2 | ,392 |
| | 1 | | -+- | <u>.</u> | Const | ructio | n | 48,93 | 5 | Over h | ead, etc. | | 320 |
| | 1 | | | | Maint | enanc | e | 78 | 0 | Item o | of Defray | ment | |
| | 1 | | 1 | | Overb | ead et | c. | 3,18 | 1 | Land | Cost | 3 | ,204 |
| | 1 | | | | Conti | ngene | y [| 4,89 | 3 | Const | ruction | _ : | 1,595 |
| | L | | | | Intere | st | Ì | 3,80 | 0 | Comp | ensation | 1 | 491 |
| | Tot | al | | 66,796 | Fotal | | l. | 66,79 | 16 | Overh | ead, etc. | | 365 |
| Unit floor | 1 | | | | | | | | _ | | | | |
| Cost Rp. 1000/m ¹ | | | | . } | | -1 | | | | | 1 | | · |
| Right-conversion | | or area | | | | ersion | Ī | | | Conve | rsion | | |
| • | for | right der | 1 | | rate (land | | Į | | | rate {land. | | | |



Financial Schedule in Manggarai - Section I

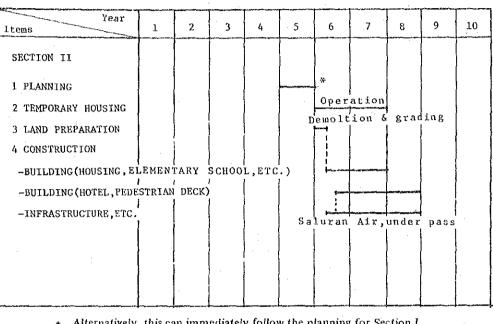
| ~ | Year | Ţ | COL | NSTRUCT | ION | | 1 | ĺ. | 1 | 1 |
|-------|--|-------|-------|---------|-------|--------|----------|-------|----------|--------|
| | | 1 | į 2 | 3 | 4 | 5 | 6-24 | | | Total |
| ĺ | Equity | 0 | U | 0 | 0 | 0 | 0 | | | ر ا |
| | Share Defrayment | 1,325 | 0 | 341 | 2,650 | 0. | 682 | 1 | | 4,998 |
| pur l | Subsidy | 895 | 709 | 1,160 | 490 | 336 | 0 | | | 3,590 |
| 0.0 | Revenue from Rental Floor | 0 | 0 | 0 | 135 | 135 | 65,493 | | <u> </u> | 65,763 |
| Sour | Foreign Loan | 611 | 1,643 | 2,086 | 3,510 | 4,589 | 0 | | | 12,439 |
| 50 | Domestic Loan | 0 | 689 | 1,344 | 3,142 | 8,924 | 0 | | | 14,09 |
| | Total | 2,831 | 3,041 | 4,931 | 9,927 | 13,984 | 66,175 | { | | 100,88 |
| | Implementation Cost | 1,610 | 4,035 | 4,470 | 8,913 | 11,670 | 0 | | Τ | 30,69 |
| | Interest of Foreign Loan ¹¹) | 31 | 113 | 217 | 393 | 622 | 7,291 | | | 8.64 |
| - 190 | Interest of Domestic Loan **) | 0 | 83 | 244 | 621 | 1,692 | 22,768 | | T | 25,40 |
| 5 | Repayment of Foreign Loan | 0 | 0 | 0 | 0 | 0 | 12,439 | | T | 12,43 |
| ŝ | Repayment of Domestic Loan | 0 | 0 | 0 | 0 | 0 | 14,099 | 1 | T | 14,09 |
| | Total | 1,641 | 4,231 | 4,931 | 9,927 | 13,984 | 56,577 | | | 91,29 |

> 8,588 = 4,998 + 3,590 ÷ 9,598

Share Defrayment + Subsidy -

*1) : 5% *1) : 12%

Implementation schedule (Manggarai Section II)



* Alternatively, this can immediately follow the planning for Section I.

Financial Schedule in Manggarai – Section II

| Year | | | - 1 | | | CONSTR | IDCHON | _ |
|-------------------------------|--|--|--|---|--|---|---|---|
| Items | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Equity | 0 | ` 0 ' | 0 | 0 | • 0 | 0 | 0 | |
| Share Defrayment | 0 | 0 | 0 | 0 | 886 | 0 | 0 | |
| Subsidy | <u>o</u> | 0 | 0 | 0 | 1,543 | 788 | 788 | |
| Revenue from Rental Floor | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Foreign Loan | 0 | 0 | 0 | 0 | 1,533 | 3,086 | 5,359 | 3,6 |
| Domestic Loan | 0 | 0 | 0 | 0 | 0 | 2,956 | 8,815 | 8,3 |
| Total | 0 | 0 | 0 | Ů | 3,962 | 6,830 | 14,962 | 12,2 |
| Implementation Cost | D | 0 | 0 | 0 | 2,575 | 7,554 | 13,050 | 9,1 |
| Interest of Foreign Loan *1 } | 0 | 0 | 0 | 0 | 11 | 231 | 499 | 6 |
| Interest of Domestic Loan *2) | 0 | 0 | 0 | 0 | .0 | 355 | 1,413 | 2,4 |
| Repayment of Foreign Loan | 0 | . 0 | 0 | 0 | 0 | 0 | 0 | |
| Repayment of Domestic Loan | 0 | 0 | 0 | 0 | . 0 | 0 . I | 0 | |
| Total | 0 | 0 | 0 | 0 | 2,652 | 8,140 | 14,962 | 12,2 |
| = 5,806 | 111,897 | 5,776 | ., | | nt + Subsi | dy | | |
| | Equity Share Defrayment Subsidy Revenue from Rental Floor Foreign Loan Domestic Loan Total Interest of Foreign Loan *1) Interest of Domestic Loan *2) Repayment of Foreign Loan Repayment of Domestic Loan Total Final Cash Balance = 117,703 - = 5,806 *1) : 5% | Share Defrayment 0 Subsidy 0 Subsidy 0 Revenue from Rental Floor 0 Foreign Loan 0 Domestic Loan 0 Total 0 Interest of Foreign Loan 0 Interest of Foreign Loan 0 Repayment of Foreign Loan 0 Repayment of Foreign Loan 0 Final Cash Balance 117,703 - 111,897 = 5,806 | Share Defrayment 0 0 Share Defrayment 0 0 Subsidy 0 0 Subsidy 0 0 Revenue from Rental Floor 0 0 Foreign Loan 0 0 Domestic Loan 0 0 Interest of Foreign Loan *1) 0 0 Interest of Foreign Loan *1) 0 0 Repayment of Foreign Loan 0 0 Repayment of Domestic Loan 0 0 Total 0 0 Final Cash Balance = 117,703 - 111.897 = 5,806 > 5,776 | Share Defrayment00Share Defrayment00Subsidy00Subsidy00Revenue from Rental Floor00Foreign Loan00Domestic Loan00Domestic Loan00Total00Interest of Foreign Loan00Interest of Foreign Loan00Repayment of Foreign Loan00Repayment of Domestic Loan00Total00Final Cash Balance117,703 - 111.897 = $5,806$ $5,776$ $= 2,657$ = Share | Share Defrayment 0 0 0 0 Share Defrayment 0 0 0 0 0 Subsidy 0 0 0 0 0 0 Subsidy 0 0 0 0 0 0 0 Revenue from Rental Floor 0 0 0 0 0 0 0 Foreign Loan 0 0 0 0 0 0 0 Domestic Loan 0 0 0 0 0 0 0 Interest of Foreign Loan *1 0 0 0 0 0 0 Interest of Domestic Loan *2 0 0 0 0 0 0 Repayment of Foreign Loan 0 0 0 0 0 0 0 Repayment of Domestic Loan 0 0 0 0 0 0 0 Total 0 0 0 0 0 0 0 0 = 5,806 > 5,776 = | Share Defrayment 0 0 0 0 886 Subsidy 0 0 0 0 1,543 Revenue from Rental Floor 0 0 0 0 0 0 Foreign Loan 0 0 0 0 0 1,533 Domestic Loan 0 0 0 0 0 0 0 Total 0 0 0 0 0 3,962 Interest of Foreign Loan *1) 0 0 0 0 0 2,575 Interest of Foreign Loan *1) 0 0 0 0 77 Interest of Domestic Loan *2) 0 0 0 0 0 0 Repayment of Foreign Loan 0 0 0 0 0 0 Total 0 0 0 0 0 0 0 Repayment of Domestic Loan 0 0 0 0 0 0 Total 0 0 0 0 0 0 0 0 | Share Defrayment 0 0 0 0 0 886 0 Subsidy 0 0 0 0 0 0 0 1,543 788 Revenue from Rental Floor 0 0 0 0 0 0 0 0 0 0 Foreign Loan 0 | Share Defrayment 0 0 0 0 886 0 Share Defrayment 0 0 0 0 0 886 0 0 Subsidy 0 0 0 0 0 0 1,543 788 788 Revenue from Rental Floor 0 <t< td=""></t<> |

| Unit: Rp.1.000.000 | | | | | |
|--------------------|--------|---------|--|--|--|
| | 9-27 | Total | | | |
| 0 | 0 | 0 | | | |
| 0 | 1,771 | 2,657 | | | |
| 0 | 0 | 3,119 | | | |
| 62 | 77,957 | 78,119 | | | |
| 97 | 0 | 13,675 | | | |
| 62 | 0 | 20,133 | | | |
| 21 | 79,728 | 117,703 | | | |
| 21 | 0 | 32,300 | | | |
| 84 | 8,020 | 9,511 | | | |
| 16 | 32,112 | 36,296 | | | |
| 0 | 13,657 | 13,657 | | | |
| 0 | 20,133 | 20,133 | | | |
| 21 | 73,922 | 111,897 | | | |
| | | | | | |

A sensitivity analysis was made to the financial schedule which will be greatly affected by fluctuations of the foreign portion and interest rates of domestic loan. The analysis was made to the entire project (Section I + Section II) and the cases analysed are as shown below.

| Interest rate of domes- tic loan Foreign Portion | 12% | 14% | 16% | 18% |
|--|------------------------|--------|--------|--------|
| 40% | Case 1 (Basic Case) | Case 2 | Case 3 | Case 4 |
| 50% | Case 5 | Case 6 | Case 7 | Case 8 |

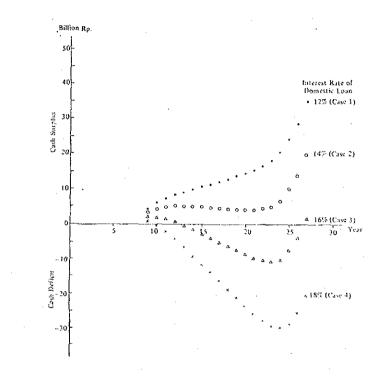
The following table shows the amount of the foreign portion respective to the foreign cost component involved in the building construction being 40% and 50%.

| • | | (Million Rp.) |
|---|--------|---------------|
| Foreign Portion | 40% | 50% |
| l st year | 611 | 611 |
| 2nd year | 1,643 | 2,095 |
| 3rd year | 2,086 | 2,456 |
| 4th year | 3,510 | 4,408 |
| 5th year | 6,122 | 7,318 |
| 6th year | 3,086 | 3,818 |
| 7th year | 5,359 | 6,627 |
| 8th year | 3,697 | 4,568 |
| Total | 26,114 | 31,901 |
| مربع بن المربع من ال مربع المربع المربع من | | |

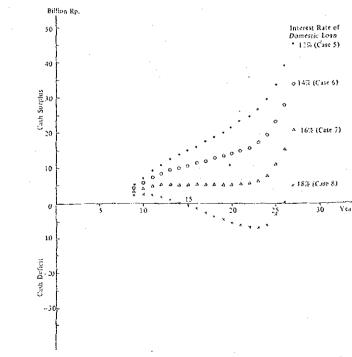
The amount of cumulative cash surplus or deficit is shown each for the cases of 40% and 50%. In the case of 40%, cash flow becomes deficit at the interest rate of 16% per annum, in the 5th year after completion of the construction. Whereas, in the case of 50%, cash flow becomes deficit at the interest rate of 18% per annum, in the 6th year after completion of the construction.

In order to assure the sound financial status of the project, it is very much essential that the implementation body makes efforts to arrange as low-interest loan as possible and to raise an occupancy rate of the residual floor.

FINANCIAL SENSITIVITY ANALYSIS-MANGGARAI 12



CUMULATIVE CASH SURPLUS AND DEFICIT - FOREIGN PORTION: 40%



CUMULATIVE CASH SURPLUS AND DEFICIT - FOREIGN PORTION: 50%

SUMMARY-KEBON MELATI 13

Environments of the Area

- (a) The Master Plan describes the area as urban residential area in need of environmental improvement.
- (b) The area presents poor living environment with high population density and lacks public facilities.
- (c) JABOTABEK railway improvement programmes indicate the betterment of the Western Line including the New Karet station project in the south of the area.

Renewal Plan

The project includes:

- (a) Improvement of public facilities such as major roads, station-front plaza, public utilities, community facilities, etc.
- (b) Improvement of living environment such as decent flats, water-front park in the Melati Pond, etc.
- (c) Development of neighbourhood commercial function along the major roads.

Implementation Cost and Schedule

| The implementation cost | Unit: | Million Rp |
|------------------------------------|-----------|------------|
| The implementation cost | Rp.20,500 | (100%) |
| The subsidy , | Rp. 2,100 | (10%) |
| The defrayment | Rp. 3,400 | (17%) |
| Sales revenue of residual floor | Rp,15,000 | (73%) |

- (b) Floor unit cost: F21, 25, 36, 54 112,300 Rp./m²
- (c) Right-conversion rate and added floor : Same as Manggarai
- (d) Implementation schedule is planned to be 3.5 years including the urban renewal planning.

Financial Analysis

FIRR: 7.6%

Fiancial analysis shows that should the loan with the same conditions as in Manggarai be available, the project could produce surplus (profit) at the end of the amortization period, and the surplus could offset 97 percent of the financial burden of the Government.

Economic Analysis

As a result of economic analysis, the project is less feasible. However, as discussed previously, the result merely based on the quantifiable benefits should not defy the importance of the project.

IRR : 11.7%

NPV: yRp.4,106 Million (negative NPV)

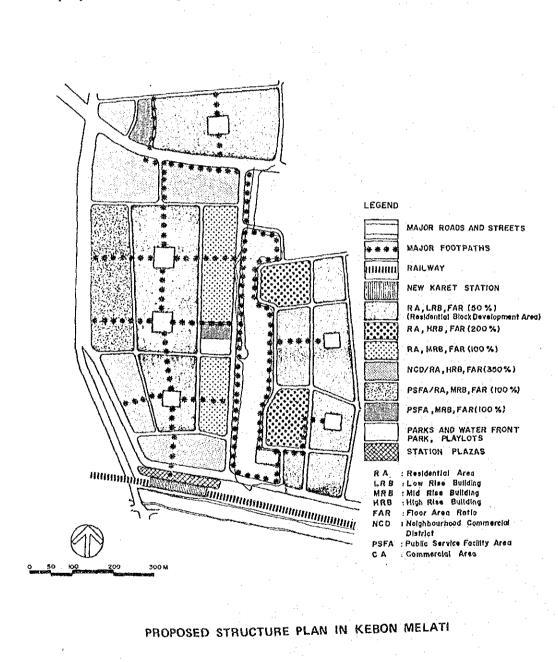
The project may be implemented by a housing cooperative. To foster the urban renewal projects by cooperative, legal and institutional adjustments concerning the Government's subsidy and defrayment should be made. Furthermore, it should be controlled that cooperatives may carry out urban renewal projects only at sites designated by the city planning.

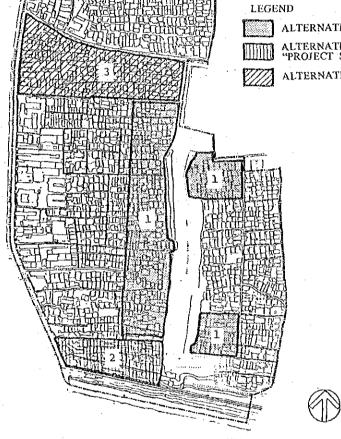
STRUCTURE PLAN

According to the Preliminary DKI Master Plan for the year 2005, Kebon Melati will be developed in the future as an attractive urban residential area together with neighbourhood commercial functions, linked with improvements of infrastructure. The proposed structure plan is shown below.

PROJECT SITE SELECTED

Three alternative sites for feasibility studies were recommended, and Alternative -2was ultimately selected as "Project Site" by the Government.





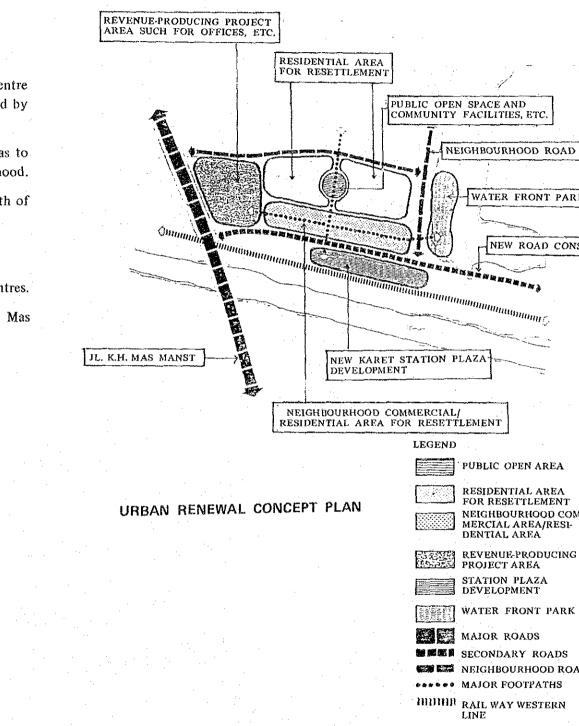
CONDITIONS OF ALTERNATIVES

| 1 | | | |
|---|---|--|------------------------|
| ALTERNATIVES | ALT 1 | ALT 2 | ALT. – 3 |
| SITE AREA (Ha) | 9.2 | 2.2 | 5.1 |
| EXPECTED POPULATION | 6,300 | 2,200 | 14,000 |
| PROPOSED HOUSING FLOOR (M ²) | 66,000 | 25,400 | 92,500 |
| MAJOR IMPLEMEN- TATION ITEMS | Urban Renewai Housing (URH), Roads, Drainage & Sewerage (D&S); Water Front Park | URH, Roads, Station-Front Plaza, Neighbourhood Commercial District (NCD) | URH, Roads D&S, NCD |

14

| LEGEND | | | | | |
|--------|---------------------------------|--|--|--|--|
| | ALTERNATIVE-1 | | | | |
| | ALTERNATIVE-2 "PROJECT SITE" | | | | |
| | ALTERNATIVE-3 | | | | |

DESIGN CONCEPT & LAYOUT PLAN-KEBON MELATI 15



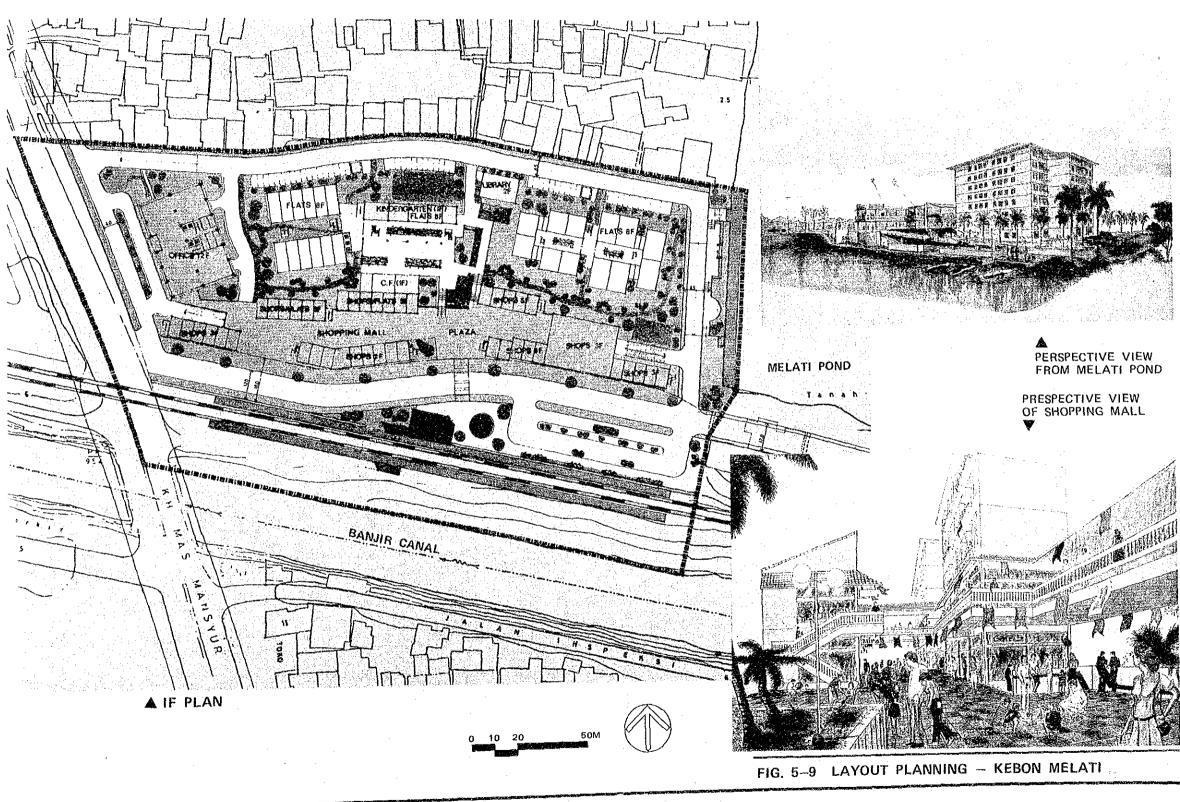
Supply of low-cost housing and adequate community facilities

- Together with low-cost housing, a public open space is designed in the centre of the project site, taking into consideration the existing roads improved by KIP.
- Around the public open space, community facilities are allocated so as to serve for the inhabitants living in the site as well as in the neighbourhood.
- The public open space is also planned so that the inhabitants living north of the site can be easily accessible to the station.
- Development of commercial and business facilities
- 2-storey shopping malls are designed as neighbourhood shopping centres.
- A 12-storey office building is designed in the lot adjacent to Jl. H.H. Mas Mansyur (Main road).
- Development of a station-front plaza at the proposed Karet railway station
- New connection road between JI, K.H.Mas Mansyur and JI. Jend. Sudirman
- Improvement of the water front of the Meltari Pond
 - Water-front park is designed to provide the amenity for the inhabitants.

NEIGHBOURHOOD ROAD WATER FRONT PARK NEW ROAD CONSTRUCTION *********

RESIDENTIAL AREA FOR RESETTLEMENT NEIGHBOURHOOD COM-MERCIAL AREA/RESI-DENTIAL AREA

NEIGHBOURHOOD ROADS



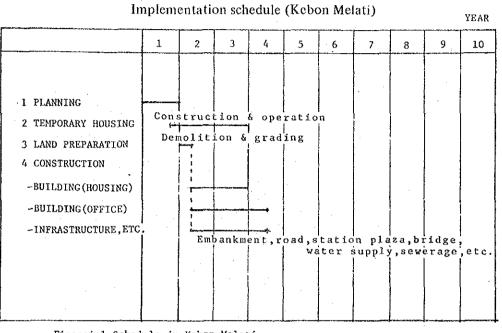
1

KEBON MELATI

PROJECT DATA, IMPLEMENTATION SCHEDULE & FINANCIAL PLAN-KEBON MELATI 16

| <u>I har ya 1997 ya</u> ku Martin ku Martin Yangi ya ku ya Y | | | | | | Pi | ese | nt | | T | P | зл | Remarks |
|---|--|----------------|-----------------------|--------------|---------------------|------------------------|----------|------------|-------------|--------------|---------------------------|------------|------------------------|
| General | ĺĺ | | Major . | roa | đ | 1,700 |) m | <u>،</u> ۱ | 4.4% | 7 | ,100 m ³ | 18.7% | |
| Condition of plan | and Area | ÿ | Neighbourhood Road | | rhood | 2,080 |) | | 5.4% | T | 100 | 10.6% | |
| | | Public Use | Station plaza | s fi | ont | : (|) | | 0% | 2 | ,000 | 5.2% | |
| | put | Put | Park | | | . (|) | | 0% | 1, | ,700 | 4.4% | |
| | | | Others | | | 8,650 |) | 2 | 2.4% | | ,000 | 20.7% | |
| | | | Sub-to | tal | | 12,47 |) | 3 | 2.3% | 22 | 900 | 59.3% | |
| | | Bui | ilding l | ot a | srea | 26,130 | • | 6 | 7.7% | 15 | ,700 | 40.7% | |
| | | Pro | ject are | a | | 38,600 |) | 10 | 0% | | ,600 | 100% | : 1 |
| | | ilo | use | | | 17,930 | } | | | 23 | .880 | | private floo 18,830 |
| | | She | op | | | 600 |). | | | 3 | 310 | | 2,300 |
| | Area | 0ľ | fice . | | | . (|) | | | 14 | ,350 | | 10,720 |
| | 5 | Ho | | | | |) | | | | 0 | | Q |
| | 1.5 | | rkshop | | | 1.200 |) | | | | 0.1 | | 0 |
| | | | park | | | |) | | | 4 | 800 | | 4,800 |
| | | | die bui | ldi | ngs | 400 | | | | | 900 | | 900 |
| | | To | | | ···· } | 20,130 | | | | 47 | 238 | | 37,550. |
| - | Number area | | | | | 77% | | | 270% | | | | |
| | h | Coverage satio | | | 70% | | - | 42% | | | | | |
| | <u> </u> | | tion | housing unit | | 1.850 | | 1 | 368 | | ļ | | |
| ······································ | rot | TTT | ution | | | | <u> </u> | · | <u>منام</u> | <u>i</u> | 1,85 | <u> </u> | |
| Type of housing | Type Private Numb Floor area of uni | | Numbe a of units | | | | | | | | | | |
| | F21 | | 21.0 | m | 2 56 | F54 | 1 | 53.8 1 | n² · | 96 | } | | |
| | F25 | 5 | 28.0 | | 56 | F70 | | 76.5 | | 48 | | | |
| | F3(| 5 | 39.2 | 1 | 28 | F100 | 10 | 5 | | 48 | | | |
| Community facilities | Kin | der | garten | | 1 | Morse | ve. | | 1 | | | | |
| (number) | Mee | etin | g hall | _ | 1 | Libra | Y | | 1 | : | | | |
| Financial plan | | | Rev | enเ | je - | | E | cpend | iture | | 1 | tern of Su | ibsidy |
| | Sut | osid | | T | 2,097 | Plann | | | | 065 | Flanni | ng | 724 |
| * (Rp.1,000,000) | | - | ment | Ť | 3,420 | Land Prepa | | on . | | 235 | Land Prepar | ation | 504 |
| (40.1,000,000) | Sales R | | | | 14,953 | Comp | éns | ation | . . | 744 | Constr | uction | 752 |
| | | | | 1- | | Const | ruci | ion | 14. | 639 | Over h | ead, etc. | 99 |
| | | | | | | Maint | ena | nce | | 172 . | Item o | f Defrayr | nent |
| | | | | | | Overh | ead | etc. | | 952 | Land (| Jost | 2,086 |
| | | | | Í | | Conti | ngei | ncy . | 1, | 464 | Constr | uction | 870 |
| | | | | | | Intere | št | | 1, | 162 | | nsation | 301 |
| | Tot | al | | 1 | 20,452 | Total | | | 20 | 452 | August 100 - 2017 | ad, etc. | 163 |
| Unit Roor cost | | | | | use (2) 10,F100) | House (F368) | (3) | Sho | p (1) | Con facil | nnunity ity | Office | Shop (2) |
| Rp. 1000/m ² | | 112 | .3 | . 1 | 147.4 | 135. | 7 | 21 | 5.3 | 2 | 15.3 | 1,123.9 | 1,636.5 |
| Right-conversion | Flo for hol | rig | | 19 | .501 m ¹ | Conve rate (land | | ÷ | . 1.0 |) | Conver rate (land a | · | 1.3 |

Project Summary (Kebon Melati)



Financial Schedule in Kebon Melati

Financial Schedule in Kebon Melati

| | Year | | CONSTR | UCTION | | | | |
|-------------|-------------------------------|-------|--------|--------|-------|--------|---|--|
| | Items | 1 | 2 | 3 | 4 | 5-23 | | |
| | Équity | 0 | 0 | 0 | 0 | 0 | | |
| | Share Defrayment | 1,140 | 0 | Ð | 2,281 | 0 | | |
| of Fund | Subsidy | 1,175 | 456 | 462 | 0 | 0 | | |
| c of 1 | Revenue from Rental Floor | 0 | .0 | 0 | 330 | 40,907 | | |
| Source | Foreign Loan | 951 | 2,549 | 3,400 | 818 | 0 | | |
| •1 | Domestic Loan | 0 | 3,119 | 6,065 | 90 | . 0 | | |
| 1 | Total | 3,265 | 6,124 | 9,927 | 3,519 | 40,907 | | |
| | Implementation Cost | 2,259 | 6,534 | 8,480 | 2,020 | 0 | | |
| _ | Interest of Foreign Loan *1) | 48 | 175 | 345 | 386 | 4,414 | | |
| Func | Interest of Domestic Loan *3) | .0 | . 374 | 1,102 | 1,113 | 14,132 | | |
| Use of Fund | Repayment of Foreign Loan | 0 | 0 | 0 | 0 | 7,718 | - | |
| 2 | Repayment of Domestic Loan | 0 | · · 0 | . 0 | 0 | 9,274 | | |
| | Total | 2,307 | 7,083 | 9,927 | 3,519 | 35,538 | | |

Final Cash Balance = 63,743 - 58,374= 5,369 = $0.97 \times (3,421 + 2,093)$

| | Unit: Rp. | 1,000,000 |
|-------|-----------|-----------|
| | | Total |
| | | 0 |
| | | 3,421 |
| | | 2,093 |
| | | 41,237 |
| | | 7,718 |
| | | 9,274 |
| | | 63,743 |
| | | 19,293 |
| | · | 5,368 |
| | | 16,721 |
| - | | 7,718 |
| | | 9,274 |
| | | 58,374 |

^{•1) ; 5%} •1) ; 5% •1) : 12%

FINANCIAL SENSITIVITY ANALYSIS-KEBON MELATI 17

A sensitivity analysis was made to the financial schedule which will be greatly affected by fluctuations of the foreign portion and interest rates of domestic loan. The analysis was made to the cases as shown below.

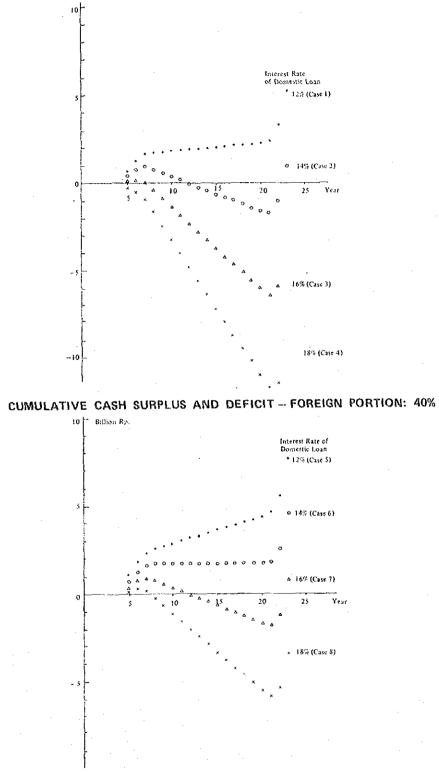
| Interest rate of domestic Foreign portion loan | 12% | 14% | 16% | 18% |
|--|------------------------|--------|--------|--------|
| 40% | Case 1 (Basic Case) | Case 2 | Case 3 | Case 4 |
| 50% | Case 5 | Case 6 | Case 7 | Case 8 |

The following table shows the amount of the foreign portion respective to the forign cost component involved in the building construction being 40% and 50%.

| | • · · · · · · · · · · · · · · · · · · · | (Million Rp.) |
|-----------------|---|---------------------------------------|
| Foreign Portion | 40% | 50% |
| lst year | 951 | 951 |
| 2nd year | 2,549 | 3,255 |
| 3rd year | 3,400 | 4,340 |
| 4th year | 818 | 982 |
| Total | 7,718 | 9,528 |
| | | · · · · · · · · · · · · · · · · · · · |

The amount of cumulative cash surplus or deficit is shown each for the cases of 40% and 50%. In the case of 40%, cash flow becomes deficit at the interest rate of 16% per annum, in the 5th year after completion of the construction. Whereas, in the case of 50%, cash flow becomes deficit at the interest rate of 18% per annum, in the 6th year after completion of the construction.

In order to assure the sound financial status of the project, it is very much essential that the implementation body makes efforts to arrange as low-interest loan as possible and to raise an occupancy rate of the residual floor.



CUMULATIVE CASH SURPLUS AND DEFICIT - FOREIGN PORTION: 50%

