

## 9-8 財務分析・経済評価

### 9-8-1 財務分析

ここでは、PERUMTELがFeasibility Studyを全国で展開していく上で必要な財務的内部収益率(F.I.R.R.)の算出を簡便的に行う方法を述べる。

F.I.R.R.は、収入と費用に依存しており、この関係を図9-8-1に示す。横軸は加入者あたりのコスト(工事費)で、縦軸は加入者あたりの通話料収入である。その他の収入および費用については、「第8章 財務分析」で仮定した条件に基づいている。

図9-8-1から、ある県のフィージビリティを検証する場合、想定されるコストと収入を求めF.I.R.R.を算出することができる。あるいは、要求されるF.I.R.R.があれば、収入に見合ったコストが算出できる。

F.I.R.R.とコスト収入の関係は、次式で示される。

$$F.I.R.R. = 2,143.63 - 0.0021625C + 0.01579Re$$

(-19.675)                      (7.52298)

$$(R = 0.97)$$

ここで、 C : 一加入者あたりの建設費  
Re : 一加入者あたり通話料収入  
R : 相関係数

( )内の数字は、検定値を示している。

財務分析には、F.I.R.R.の他に、以下の指標がある。

- 投資額・自己資本比率 (self-financing ratio)

これは事業体の毎年の新規投資の内、どの程度自己資金で調達できるか調べるものである。この比率が高ければそれだけ財務面でも安定性がある。一般に25~40%程度を目安にしている。式化すれば下記のようなになる。

$$\frac{\text{総収益} - (\text{運転費用} + \text{従来からの借入金の支払い利息及び元本返済額})}{\text{新規投資額} + \text{その投資に係る借入金支払利息}}$$

- 内部留保率 (internal cash ratio)

これは総操業資本の何%程度毎年資金が内部留保として手元に残るかをみるものである。将来投資を行なう場合の内部調達の可能性を調べるものである。3~4%が標準といわれている。式化すれば下記のようなになる。

$$\frac{\text{総収益} - (\text{運転費用} + \text{借入金元利支払額})}{\text{総操業資本}}$$

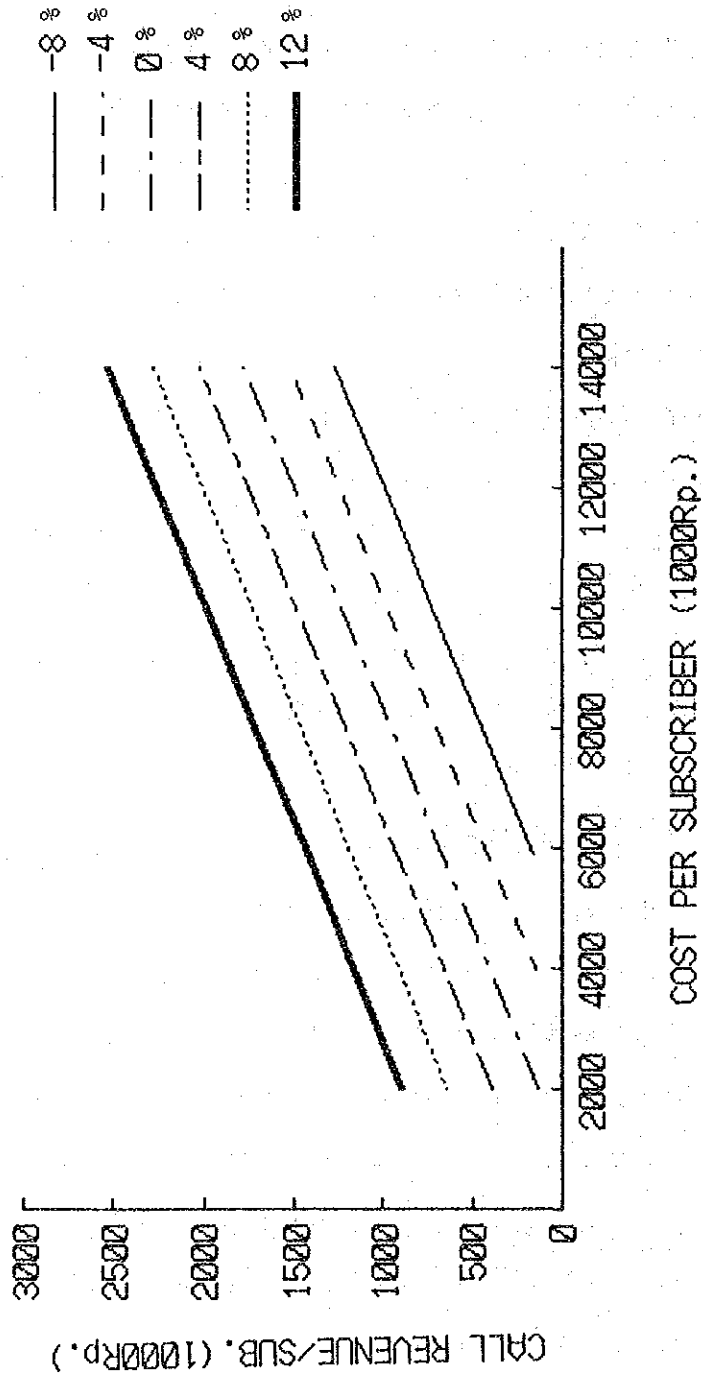


図9-8-1 内部収益率のチャート

- 内部留保・元利金支払比率 (debt-service ratio)

これは毎年の元利金の支払能力をみるものであって、最低 1.3 以上必要とされている。式化すれば下記の通り。

$$\frac{\text{総収益} - \text{運転費用}}{\text{元利金支払額}}$$

### 9-8-2 経済評価

経済便益として考えられるのは、次の拡大効果と代替効果である。

	拡大効果	代替効果
使用者	・消費者余剰 (実現された余剰)	・消費者余剰 メディアのコスト比較
地域社会	・消費者余剰 (実現されない余剰) ・クロス・インパクト	・消費者余剰

#### (1) 消費者余剰

消費者余剰は、設置料と通話料に対して発生するが、今回はデータの制約の為、設置料についてのみ計算している。

通話料について、以下のような関係式を推定できれば、消費者余剰を計算することができる。

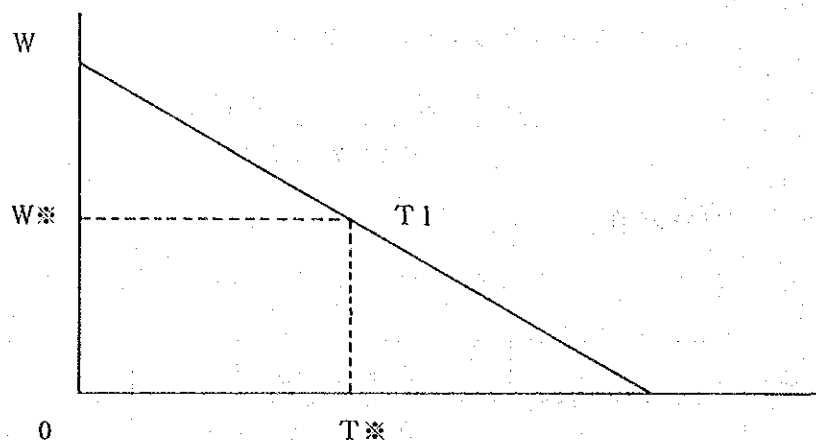
$$T = f(W, Inc, Pop, S, X) \dots\dots\dots (1)$$

- ここで、
- T : トラフィック
  - W : 通話料金
  - Inc : 所得
  - Pop : 人口
  - S : 加入者数
  - X : 上記以外の社会経済変数

(1)式をWを目的変数として変形する。

$$W = f(T, Inc, Pop, S, X) \dots\dots\dots (2)$$

(2)式をWとTの関係を図で示す次のようになる。

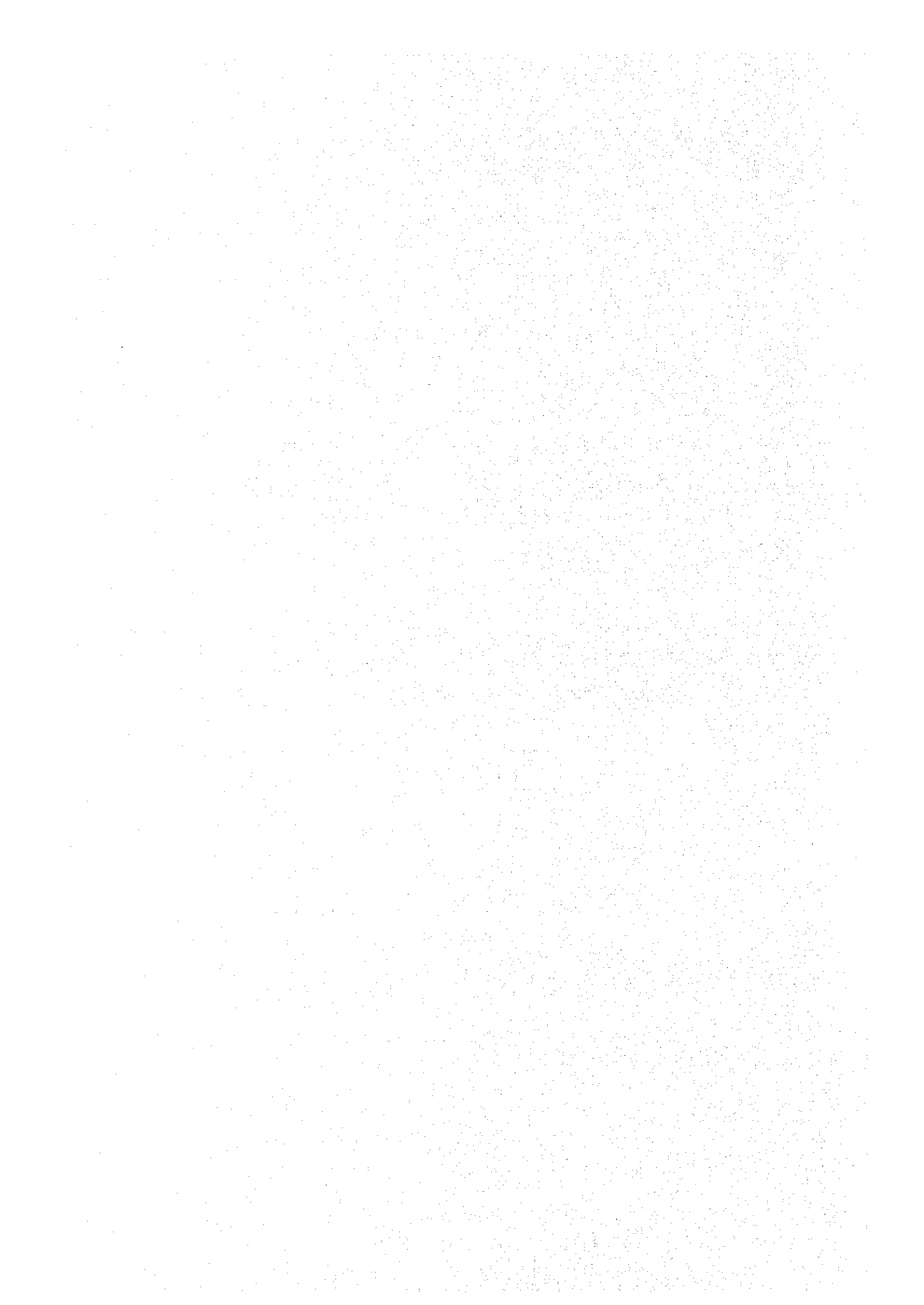


通話料金がW\*のときのトラフィック量をT\*とすると、消費者余剰は、三角形W - T1 - W\*で示され、加入者がPERUMTELに支払う通話料金は、四角形W\* - T1 - T\* - 0で示される。

(2) メディアのコスト比較

メディアのコスト比較の算出式は、「第8章 経済評価」に述べているとおりであり、各地域へFesibility Studyを展開していくときに実施されるべきである。

附 属 资 料



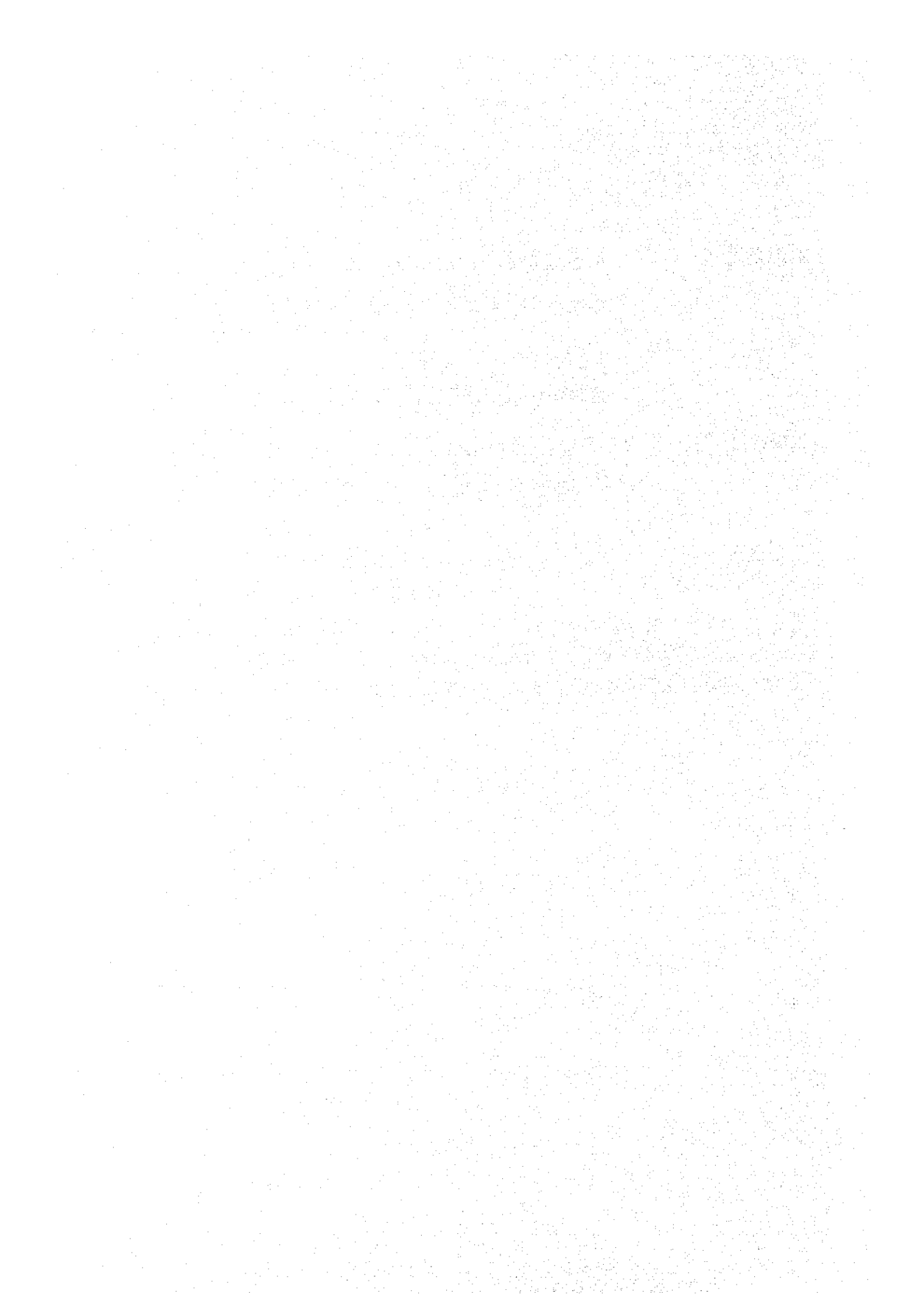
ANNEX 2-2-1 手動局Kecamatan人口比率による  
Kabupaten数の分布 (1980年)

ANNEX 2-2-2 自動局Kecamatan人口比率による  
Kabupaten数の分布 (1980年)

ANNEX 2-2-3 無電話Kecamatan人口比率による  
Kabupaten数の分布 (1980年)

#### 表の見方

(例) ANNEX 2-2-1についてD.I Aceh州ではKabupaten数は8ヶで、そのうち手動局のあるKecamatan人口のKabupaten人口に対する割合が10%以下のKabupatenが1ヶ、10~20%が4ヶ、20~30%のKabupatenが3ヶあることを示す。





表AN2-2-1 手動局Kecamatan人口比率によるKabupaten数の分布(1980年)

Province	Less than 10%	20	30	40	50	60	70	80	90	100(%)
D.I. Aceh	1	4	3							
S. Utara	1	6	3	1						
S. Barat	3	1	1	3						
Riau	1	2		1	1					
Jambi	2	3								
S. Selatan	2	2		2	2					
Bengkulu		1		2						
Lampung	2		1							
J. Barat	4	9	7							
J. Tengah	13	8	6	1	1					
D.I.	2	2								
Yogyakarta										
J. Timur	14	6	6	2	1					
Bali	4	2	1							
N. Teng	1	2	2							
Barat										
N.T. Timur	5	5	1			1				
Timor Timur	6	1	2	2	2					
K. Barat	3	1	2							
K. Tengah	3	3	2	1						
K. Selatan	2	4	1	1	1					
K. Timur		3	1							
Sul Utara	2	1	1							
Sul Tengah	2		2							
Sul Selatan	5	4	7	3	1			1		
Sul Tenggara	1	1	1	1						
Maluku	1	2		1						
Irian Jaya	5	1	2	1						

表 AN2-2-2 自動局 Kecamatan の人口比率による Kabupaten 数の分布 (1980年)

Province	10	20	30	40	50	60	70	80	90	100(%)
D.I. Aceh	6		1	1						
S. Utara	6	1	4							
S. Barat	7	1								
Riau	4			1						
Jambi	3	1		1						
S. Selatan	4	4								
Bengkulu	2			1						
Lampung	3									
J. Barat	13	3	4							
J. Tengah	19	9	1							
D.I. Yogyakarta	4									
J. Timur	26	3								
Bali	4	2	1	1						
N. Teng Barat	4	1	1							
N.T. Timur	11	1								
Timor Timur	8		1	2		1	1			
K. Barat	4	2								
K. Tengah	7	1		1						
K. Selatan	9									
K. Timur	3			1						
Sul Utara	4									
Sul Tengah	3	1								
Sul Selatan	19		1	1						
Sul Tenggara	2	1	1							
Maluku	2	1	1							
Irian Jaya	4	2		1	2					

表AN2-2-3 無電話Kecamatanの人口比率によるKabupaten数の分布(1980年)

Province	10	20	30	40	50	60	70	80	90	100(%)
D.I. Aceh					1	1	3	3		
S. Utara				1	2	1	4	2	1	
S. Barat						3	1	2	2	
Riau				2		1		2		
Jambi						2		2	1	
S. Selatan				1	2	1	2	2		
Bengkulu	1					1		1		
Lampung						1		1	1	
Dki Jakarta										
J. Barat					1	4	8	5	2	
J. Tengah				1		3	9	10	6	
D.I. Yogyakarta								2	2	
J. Timur					2	3	5	12	7	
Bali					1	1	2	4		
N. Teng Barat 1				1	1		2	2		
N.T. Timur						1	1	6	4	
Timor Timur			1	1	2	4	3	1	1	
K. Barat								2	2	
K. Tengah						2	3	2	2	
K. Selatan					1	1	1	4	2	
K. Timur				1			1	2		
Sul Utara							1	1	2	
Sul Tengah							2	1	1	
Sul Selatan			1		1	4	8	4	3	
Sul Tenggara						1	1	1	1	
Maluku				1			1	1	1	
Irian Jaya		1		1	1		3	2	1	



## ANNEX 2-4-1 主成分分析に使用した統計値

各指標のデータは次の通りである。

### (1) 人的資源の質指標

1. 高校教育以上の教育経験を有する者の数/100人
2. 管理及び専門職に従事している者の数/就業人口100人
3. 第三次産業に従事している者の数/就業人

### (2) 生活水準指標

4. 病院の数/10,000人
5. ラジオ保有台数/100人
6. テレビ保有台数/100人
7. 自動車又はオートバイ保有台数/100人
8. 映画館の数/10,000人

### (3) 経済活動水準指標

9. 政府開発投資額/人 ( $\times 10^4$  RP.)
10. 政府一般歳出額/人 ( $\times 10^4$  RP.)
11. 道路舗装率 (%)
12. 都市人口/人口 (%)
13. 銀行貸し付け額/人 ( $\times 10^4$  RP.)
14. 地域内総生産額 (GRDP) の第2次産業のシェア (%)
15. " 第3次産業のシェア (%)

### (4) コミュニケーション指標

16. 電話加入者数/100人
17. 郵便局数/1000人
18. 手紙通数/人
19. 電話の登算度数/人 ( $\times 10$  Pulse)
20. 電報通数/100人

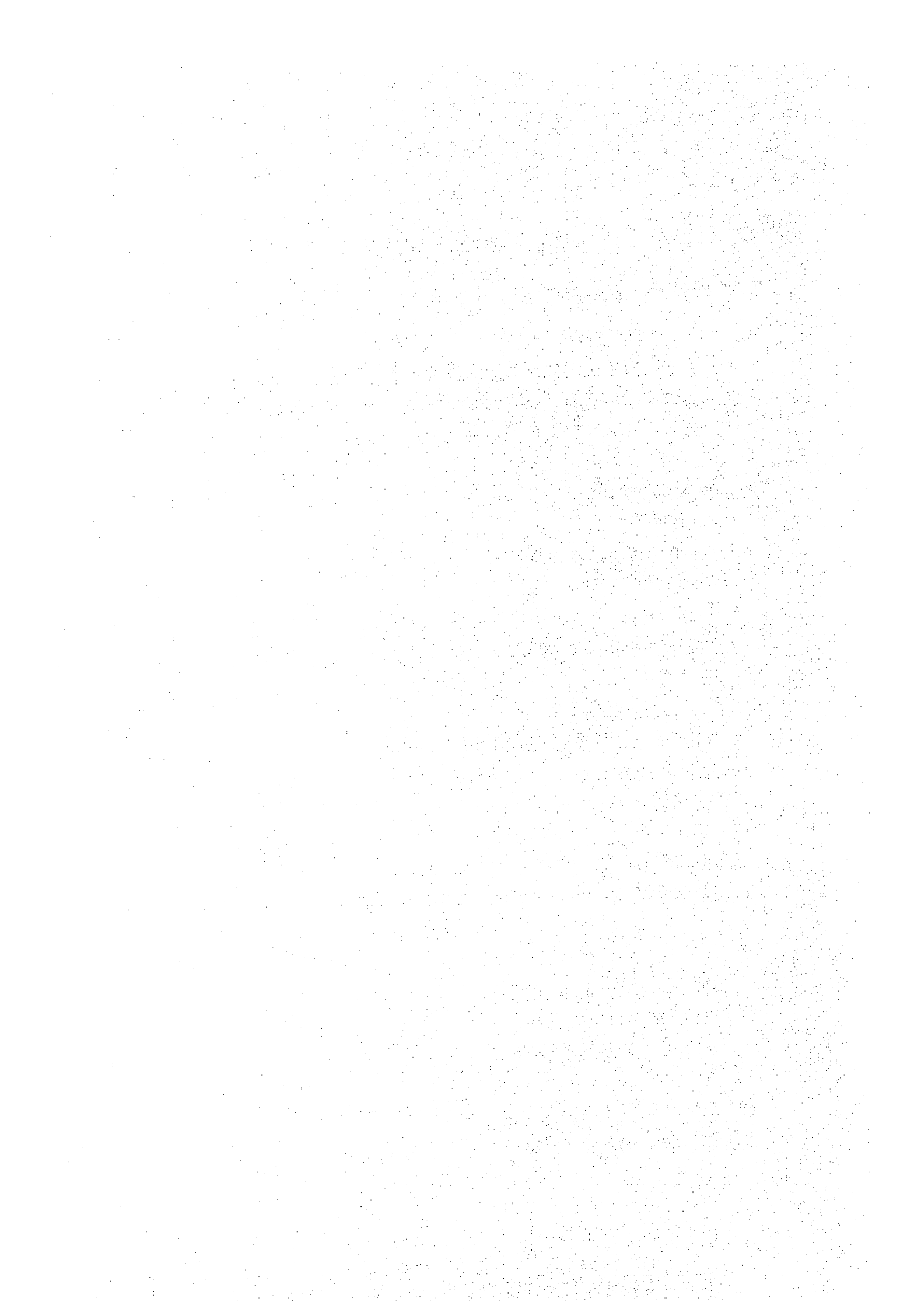


表 AN2-4-1 (1/2)

主成分分析に使用した統計値 (1980年)

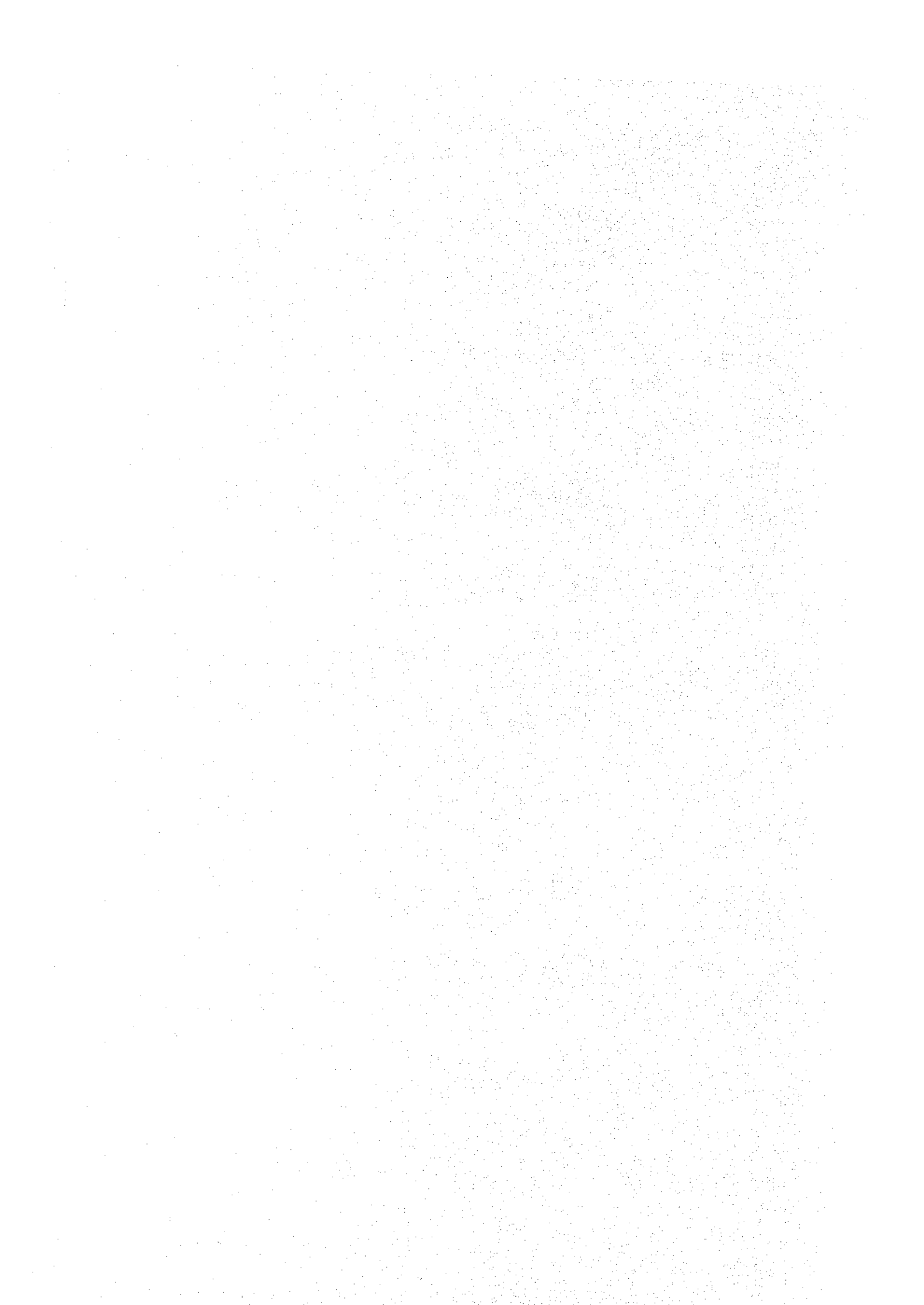
Code	Province	QUALITY OF MANPOWER				STANDARD OF LIVING			
		1	2	3	4	5	6	7	8
11	D.I. Aceh	3.25	3.09	0.22	0.44	0.34	0.78	2.97	0.11
12	Sumatra Utara	4	3.2	0.24	1.35	2.32	1.1	3.79	0.19
13	Sumatra Barat	3.71	3.62	0.28	0.8	1.41	0.93	2.31	0.09
14	Riau	3.7	3.64	0.27	0.49	2.29	2.04	2.12	0.16
15	Jambi	2.57	2.84	0.2	0.34	2.39	0.72	2.71	0.09
16	Sumatra Selatan	3.27	2.85	0.24	0.83	2.45	1.42	5.12	0.15
17	Bengkulu	2.71	2.2	0.14	0.3	2.69	0.7	2.58	0.13
18	Lampung	2.11	2.04	0.17	0.34	2.44	0.64	1.54	0.07
31	Dki Jakarta	12.79	7.53	0.74	1.95	4.55	8.01	11.6	0.22
32	Jawa Barat	2.82	3.07	0.36	0.39	0.78	1.18	2.02	0.07
33	Jawa Tengah	2.6	2.55	0.29	0.53	0.03	0.8	2.11	0.05
34	D.I. Yogyakarta	7.16	3.87	0.3	0.95	6.55	1.08	3.67	0.05
35	Jawa Timur	2.71	2.39	0.3	0.52	0.03	1.19	2.15	0.05
51	Bali	3.17	4.24	0.33	0.67	6.66	1.17	3.4	0.1
52	Nusa Tenggara Barat	2.09	2.8	0.29	0.26	2.11	0.36	0.86	0.08
53	Nusa Tenggara Timur	2.36	2.75	0.12	0.54	0.38	0.21	0.57	0.04
61	Kalimantan Barat	1.78	1.81	0.14	0.68	2.04	1.01	1.49	0.18
62	Kalimantan Tengah	2.9	2.85	0.18	0.44	0.79	0.91	1.61	0.2
63	Kalimantan Selatan	3.09	3.35	0.29	0.76	0.55	2.17	3.69	0.11
64	Kalimantan Timur	4.78	3.76	0.37	1.35	0.68	3.21	4.6	0.29
71	Sulawesi Utara	4.91	4.9	0.31	1.42	0.24	1.43	1.6	0.12
72	Sulawesi Tengah	3.16	3.45	0.19	0.44	1.58	0.32	1.79	0.17
73	Sulawesi Selatan	3.45	3.76	0.28	0.86	0.16	0.82	2.6	0.07
74	Sulawesi Tenggara	2.94	3.2	0.2	0.51	3.2	0.52	1.57	0.07
81	Maluku	4.12	4.49	0.24	0.92	0.05	0.53	1.02	0.11
82	Irian Jaya	2.65	3.67	0.18	1.28	0.05	0.61	1.8	0.2

表AN2-4-1 (2/2) 主成分分析に使用した統計値 (1980年)

Code	Province	LEVEL OF ECONOMIC ACTIVITY					COMMUNICATION DEVELOPMENT					GRDP/N		
		9	10	11	12	13	14	15	16	17	18		19	20
11	D.I. Aceh	0.32	1.16	12.39	8.9	1.85	71.47	10.35	0.17	0.06	0.64	0.52	4.49	256.03
12	Sumatra Utara	0.26	1.05	26.8	25.4	3.39	27.96	36.24	0.31	0.07	1.4	2.92	2.43	129.64
13	Sumatra Barat	0.19	1.07	17.07	12.7	1.43	16.27	48.3	0.24	0.06	1.67	1.5	4.8	82.14
14	Riau	0.39	1.18	3.22	27.1	2.05	14.25	56.5	0.19	0.06	0.87	0.97	14.55	106.86
15	Jambi	0.41	1.39	13	12.6	1.69	14.13	33.81	0.21	0.05	1	1.84	3.85	92.04
16	Sumatra Selatan	0.3	0.91	15.63	27.4	2.3	32.78	37.47	0.15	0.06	0.83	1.78	3.65	151.3
17	Bengkulu	0.6	1.53	12.56	9.4	1.36	11.86	41.34	0.19	0.08	1.86	0.09	5.6	90.39
18	Lampung	0.17	0.68	12.55	12.5	1.53	9.83	43.86	0.12	0.05	1.12	0.91	1.57	77.67
31	Dkl Jakarta	1.2	2.41	223.2	93.4	33.88	21.59	76.82	1.89	0.08	14.92	23.11	13.89	259.31
32	Jawa Barat	0.08	0.68	45.79	21	1.79	26.22	44.51	0.15	0.04	0.9	1.12	1.49	96.14
33	Jawa Tengah	0.08	0.72	56.68	18.7	1.68	14.41	45.21	0.14	0.05	1.06	0.86	2.23	67.66
34	D.I. Yogyakarta	0.18	1.18	21.55	22.1	1.71	17.05	43.65	0.13	0.06	2.45	1.51	7.04	68.61
35	Jawa Timur	0.09	0.64	50.32	19.6	2.32	17.27	46.09	0.21	0.04	1.21	1.72	3	88.75
51	Bali	0.16	1.06	27.24	14.7	2.06	14.02	44.03	0.26	0.05	1.29	2.07	4.6	111.53
52	Nusa Tenggara Barat	0.14	0.83	11.22	14.1	0.97	11.08	37.13	0.14	0.03	0.37	0.23	4.3	52.82
53	Nusa Tenggara Timur	0.19	1.07	10.53	7.5	0.44	5.26	34.35	0.08	0.04	0.79	0.57	7.59	56.4
61	Kalimantan Barat	0.23	1.2	2.91	16.8	3.07	18.14	40.96	0.11	0.04	1.23	0.85	3.43	105.59
62	Kalimantan Tengah	0.93	2.59	0.86	10.3	1.77	29.03	28.54	0.13	0.07	0.71	0.07	2.13	131.97
63	Kalimantan Selatan	0.37	1.35	9.5	21.4	3.36	5.86	62.61	0.19	0.09	1.97	2.02	9.42	119.89
64	Kalimantan Timur	2.06	3.53	2.02	39.8	4.84	6.45	72.86	0.25	0.09	1.16	0.11	16.85	290.01
71	Sulawesi Utara	0.36	1.73	14.04	16.8	3.13	7.49	46.24	0.26	0.05	0.62	2.2	10.29	114.21
72	Sulawesi Tengah	0.44	2.05	5.82	9	1.91	10.68	37.83	0.12	0.03	0.7	0.05	17.1	70.15
73	Sulawesi Selatan	0.16	1.04	16.07	20	2.1	7.41	43.84	0.18	0.04	0.71	1.34	5.23	90.5
74	Sulawesi Tenggara	0.46	1.6	7.87	9.3	1.18	13.65	49.84	0.07	0.04	0.48	0.02	7.78	74.26
81	Maluku	0.4	1.63	3.94	8.9	0.72	15.41	36.86	0.18	0.06	0.87	1.62	23.38	119.41
82	Irian Jaya	0.64	3.33	1.66	20.2	0.9	8.26	40.38	0.33	0.09	1.86	1.09	20.89	122.28



## ANNEX 2-5-1 衛星の主要システム・パラメータ



	MCS (Master Control St.)	SBB	SBS	SBK
1. Ant. Diameter	10.0 m $\phi$	10.0	10.0	4.5
2. Ant. Gain [Tx] [Rx]	53.5 dB 50.5 dB	53.5 50.5	53.5 50.5	46.5 43.5
3. Beam width [Tx] [Rx]	0.35 $^{\circ}$ 0.5 $^{\circ}$	0.35 $^{\circ}$ 0.5 $^{\circ}$	0.35 $^{\circ}$ 0.5 $^{\circ}$	1.0 $^{\circ}$ 0.8 $^{\circ}$
4. G/T	>29.0 dB/k	29.0	25.0	18.6
5. HPA Output (MAX.)	3 kW	400 W	400 W	10 W 7.5 W (SOLID)
6. E/G	500 KVA x 3	80 KVA x 2 250 KVA x 2 (SURABAYA)	40 KVA x 2	15 KVA x 2 (Manual Ex.) 25 KVA x 2 (Auto. Ex.)

表AN2-5-1 (2/3) 衛星の主要システム・パラメータ

1. STANDARD STATIONS (SBB / SBS)

CARRIER SIZE	MIN	MAX
600 FDM	20.8 dB $\bar{W}$	24.7 dB $\bar{W}$
12 FDM	6.7	12.0
SCPC	-4.4	2.7

2. SMALL EARTH STATION (SBK)

SCPC	0.4 dB $\bar{W}$	9.7 dB $\bar{W}$
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NOTE : The maximum e.i.r.p. toward the orbital position of 74°E long. for earth stations located within the operating INSAT - 1A 10 dB-down contour. shall not exceed 25 dB $\bar{W}$  in any contiguous 30 KHz in the band 6,265 MHz to 6,340 MHz.

表AN2-5-1 (3/3)

## 衛星の主要システム・パラメータ

	PALAPA A	PALAPA B	
		For Indonesia	For ASEAN
1. Ant. Gain [Tx]	29.0 (25.0) dB	28.0	24.0
2. Ant. Gain [Rx]	28.0 (24.0) dB	28.0	24.0
3. G/T	- 7.5 dB/k	- 5.0	- 7.0
4. e.i.r.p. ( ) : Beam Edge	34.0 (30.0) dBW	36.0	32.5

	<u>Positions in Orbit</u>	<u>Launch</u>
PALAPA A 1	83°E	Aug. 1976
PALAPA A 2 †)	77°E	Aug. 1976
PALAPA B 1 †)	108°E	June. 1983
PALAPA B 2	113°E	
PALAPA B 3	118°E	July. 1986 (Scheduled)
PALAPA C	141°E	

†) In Service. As of Dec. 1984.



- ANNEX 2-6-1 ルーラル通信システムにおける  
地球局の要求条件と技術標準
- ANNEX 2-6-2 SCPC地上局一覧表(第4次計画を含む)
- ANNEX 2-6-3 国内衛星通信システムの地上局位置  
(第4次計画を含む)
- ANNEX 2-6-4 各県の電話アクセスビリティ





## ANNEX 2-6-1 ルーラル通信システムにおける地球局の要求条件と技術標準

### (1) ルーラル通信システムにおける地球局の要求条件

ルーラル地域に設置される地球局に要求される条件は、

#### 1) 低コストであること。

このためには地球局の小形化（特に空中線系）が必須であるが、システム技術基準の項で述べるように現状（アンテナ直径 4.5 m）でも、伝送路品質基準ぎりぎりのところであり、これ以上直径を小さくすることは、得策ではない。

#### 2) 保守運用が容易なこと。

熟練した運用保守員をルーラル地域で確保することは非常に困難である。従ってシステムの運用制御は中央局に集中し、地球局側の機能を出来るかぎり、簡素化することが重要である。

他に太陽電池システムの積極的使用を考えることが必要である。ルーラル地域に設置される SCPC 局の周辺は一般に商用電源へのアクセシビリティが悪い。

#### 3) TRANSPORTABILITY が良いこと。

地球局の設置されるルーラルコミュニティへのアクセスは、通常あまり良くない。即ち、これらのルーラルコミュニティは、地理的に都市部から疎外されている場合が多く、内陸輸送の際の TRANSPORTABILITY は、地球局の創設費に大きな影響を与える。

機器をシェルター収容方式とするかして、TRANSPORTABILITY を上げる努力が必要である。後年、移設の必要が生じた場合、シェルター方式としておけば移設費用の低減に役立つ。

また、地球局を小形化する方策としては、下記のことを考えられる。

#### a) 使用周波数帯を上げる。ただし、10 GHz 以上になると降雨減衰量（rainfall

attenuation）および降雨による交差偏波識別度（cross polarization discrimination）の劣化等が無視できない。特にインドネシアの気象条件（多雨）を考えると、降雨マージンを大きくとらないといけないため、アンテナ径を下げることは難しい。

#### b) 衛星の e.i.r.p. (Equivalent Isotropically Radiated Power) を上げる、

このためには、

- スポット・ビーム方式とする。

- トランスポンダ自体の出力を上げる。

上記2通りの方法があるが、いずれにしても衛星の大型化、即ちスピニング衛星 (Spin-Stabilized Satellite) から三軸 (Three-axis Stabilized Satellite) への転換は避けられないと思われる。

## (2) 衛星通信システム技術基準

ルーラル通信システムに適用される衛星通信システムの技術基準のレベルが地上系システムと比較して低くて良いという理由は何もないし、仮にレベルダウンしても、コストダウンは余り期待できない。

現用のSCPCシステムの回線品質規格は、CCIR Rec. 353-4に準拠しており表5-4-1 (1/3 ~ 3/3) に回線設計例を示す。

これによれば、SBKのアンテナ径は4.5 m  $\phi$ が最低限度であり、これ以上小形化することは、衛星自体のe. i. r. p.を上げない限り、好ましくない。

表AN 2-6-1 (1/2) System Design of SCPC Link (Overall Link)

1)	C/No (Up-Link)	60.9 ~ 75.0 dBHz
2)	C/No (Down-Link)	50.2 ~ 55.2 dBHz
3)	C/I (assumed)	65.0 dBHz
4)	C/No (Overall)	49.7 ~ 54.7 dBHz
5)	Channel Noise Bandwidth (25 kHz : 30 kHz spacing)	44.0 dB
6)	Received C/N	5.7 ~ 10.7 dB
7)	Margin to Required C/N	-3.5 ~ 1.5 dB

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Required S/N	50.0 dB
Companding Improvement	17.0
Emphasis / Weighting	8.5
FM Improvement	15.3

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Required C/N 9.2 dB

表AN 2-6-1 (2/2) System Design of SCPC Link (Up/Down Link)

(Up-Link)

1)	Earth Station Transmit Power	-7.4 - 6.7	dBW/CH
2)	Antenna Gain (4.5 m $\phi$ )	46.5	dBi
3)	Feed Line Loss	1.0	dB
4)	Earth station e.i.r.p.	38.1 - 52.2	dBW/CH
5)	Spreading Factor (38,600 km)	-162.7	dB
6)	In-orbit Flux Density/CH	-116.8	dBW/m <sup>2</sup>
7)	Path Loss (38,600 km)	200.0	dB
8)	Rain Attenuation	0	dB
9)	Pointing Error Loss	0.8	dB
10)	Satellite Antenna Gain	28.0	dBi
11)	Satellite Receiver Noise Temp	33.0	dB
12)	Satellite G/T	-5.0	dB/K
13)	C/No , Up-Link (Note 1)	60.9 - 75.0	dBHz

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(Note 1)  $\textcircled{13} = \textcircled{4} - (\textcircled{7} + \textcircled{8} + \textcircled{9}) + \textcircled{12} - (-228.6)$

-228.6 : Boltzman's constant in dB/Hz.K

(Down-Link)

1)	Satellite e.i.r.p. saturated	36.0	dBW
2)	Output Back-off	5.4	dB
3)	Power sharing	26.0	dB
	Capacity : 1,000 CH/Tr.		
	Activity Factor : 0.4		
4)	Available e.i.r.p.	-0.4 - 4.6	dBW
5)	Pointing Loss	0.4	dB
6)	Path Loss (38,600 km)	196.2	dB
7)	Rain Attenuation	0	dB
8)	Earth Satation G/T (4.5 m $\phi$ )	18.6	dB/K
9)	C/No , Down-Link (Note 2)	50.2 - 55.2	dBHz

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(Note 2)  $\textcircled{9} = \textcircled{4} - (\textcircled{5} + \textcircled{6} + \textcircled{7}) + \textcircled{8} - (-228.6)$

-228.6 : Boltzman's Constasnt in dB/Hz.K

表 AN2-6-2 (1/23) 国内衛星通信システムの地上局一覽表 (第4次計画含む)

NO.	PROPINSI	KABUPATEN	SITE		MODEM	NOTES	1984/ 1989
			EXISTING (1984)	PLANNED (PELITA IV)			
1100	DAERAH ISTIMEWA ACEH	01 ACEH SELATAN	TAPAK TUAN		3/9	IKK	3/3
			SINGKIL		3/9		
			BLANGPIDI		3/9		
			KUTAKANE	BLANGKEJEREN	3/9	IKK	1/2
			-	-	5		0
			TAKENGON		2/9	IKK	1/0
			MEULABOH		3/9	IKK	2/3
			SINBANG	CALANG	3/9	P. SIMEULUE	
1200	SUMATERA UTARA	06 ACEH BESAR	SEILIMUN		5		0/1 (1/2)
			MEUREUDU		5		0/1
			-				0/0
			BANDA ACHE	JANTHOI	51/73	SBR	
			G. SITOLI		5		
			01 NIAS		3/6	IKK/P. NIAS	1/1
			02 TAPANULI SELATAN	PANYABUNGAN	5		0/1
			03 TAPANULI TENGAH	-			0
04 TAPANULI UTARA	BALIGE	5	IKK	0/2			
			P. SAMOSIR (INLAND)				
			PANGURURAN	5			

表 AN2-6-2 (2/23) 国内衛星通信システムの地上局一覽表 (第4次計画含む)

NO.	PROPINSI	KABUPATEN	SITE		MODEM	NOTES	1984/ 1989	
			EXISTING (1984)	PLANNED (PELITA IV)				
(SUMATERA UTARA)		05 LABUHAN BATU	-	LABUHAN BILIK KOTA PINANG	5 5		0/2	
		06 ASAHAN	-	-			0 (1/1)	
		07 SIMALUNGUN	-	-			0	
		08 DAIRI	-	-			0	
		09 KARO	-	-			0	
		10 DELI SERDANG	-	-			0 (1/1)	
		11 LANGKAT	-	-			0	
		(10) 75 KODYA/IBUKOTA PROP. 72 KOTAMADYA (06)	MEDAN MEDAN 1 TANJUNG BALAI			76/96 3/10	SBB	
				BAGANSIAPAPI STABAT DOLOG MARANGIR KUALA MEMBANG MODA PULAU RAKYAT		5 5 5 5 5 5		
				BALAI SELASA		3/9 5	IKK	1/2 (2/3)
		1300 SUMATERA BARAT	01 PESISIR SELATAN 02 SOLOK		PAINAN			0/2 (0/3)

表AN2-6-2 (3/23) 国内衛星通信システムの地上局一覽表 (第4次計画含む)

NO.	PROPINSI	KABUPATEN	SITE		MODEM	NOTES	1984/ 1989
			EXISTING (1984)	PLANNED (PELITA IV)			
1400	RIAU	(SUMATERA BARAT)	03 SAWAHLUNJO/ SIJUNJUNG	SIJUNJUNG	5	IKK	0/1
			04 TANAH DATAR	-			0
			05 PADANG PARIAMAN	MUARA SIBERUT	1/9	P. SIBERUT	1/0
			06 AGAM	-			0
			07 LIMA PULUH KOTO	-			0
			08 PASMAN	LUBUKSIKAPING AIR BANGIS	5 5	IKK	0/2
			(01) (71) 73 (02)	KODYA/IBUKOTA PROP. KOTAMADYA	32/35 5	SBB	
				PADANG			
				RENGAT			
				TEMBILAHAN			
	01 INDRAGIRI HULU	AIR MOLEK TELUK KUANTAN	3/10 5 5	IKK	1/3		
	02 INDRAGIRI HILIR	PULAU BATAM DABO SINGKEP TANJUNG BATU RANAI	4/9	IKK	1/1		
	03 KEPULAUAN RIAU	BANKINANG PASIR PANGARAIAN	57/57 3/9 2/9 3/10 5 5	SBS/P. BATAM P. SINGKEP P. KUNDUR P. BUNGURAN IKK	4/4		
	04 KAMPAR				0/2 (1/3)		

表AN2-6-2 (4/23) 国内衛星通信システムの地上局一覧表 (第4次計画含む)

NO.	PROPINSI	KABUPATEN	SITE		MODEM	NOTES	1984/ 1989
			EXISTING (1984)	PLANNED (PELITA IV)			
1500	(RIAU)	05 BENGKALIS	BENGKALIS		2/9	IKK/P. BENGKALIS	1/1
		71 KODYA/IBUKOTA PROP.	DUMAI	(04) TAREMPA	25/28	SBB	(2/2)
		01 KERINCI	-	-			0
		02 SARKO	-	BANGKO	5	IKK	0/1
		03 BATANGHARI	-	-			0 (1)
1600	SUMATERA SELATAN	04 TANJUNG JABUNG	KUALA TUNGKAL		4/22	IKK	1/1
		05 BUNGO TEBO	MUARA BUNGO		4/9	IKK	1/1
		71 KODYA/IBUKOTA PROP.	JAMBEI (03) SEKAYU		23/39	SBB	
		01 OGAN KOMERING ULU	-	MUARA TEBO	1/9 5		
		02 OGAN KOMERING ILIR	-	BELITANG MUARA DUA	5 5		0/2
		03 LEMATANG ILIROGAN TENGAH (LIOT)	-	PENDAPO LINTANG	5		0 0/1



表AN2-6-2 (5/23) 国内衛星通信システムの地上局一覽表 (第4次計画含む)

NO.	PROPINSI	KABUPATEN	SITE		MODEM	NOTES	1984/ 1989
			EXISTING (1984)	PLANNED (PELITA IV)			
1700	(SUMATERA SELATAN)	04 LAHAT		TEBING TINGGI	5		0/1
		05 MUSI RAWAS		MUARA RUPIT	5		0/1
		06 MUSI BANYU ASIN	-	-			0 (1)
		07 BANGKA	PANGKAL PINANG	MUNTOK TOBOALI	65/65 5 5	SBS, P. BANGKA P. BANGKA P. BANGKA	1/3
		08 BELITUNG	TANJUNG PANDAN	MANGGAR	4/9	P. BELITUNG	1/2
		71 KODYA/IBUKOTA PROP.	PALEMBANG (06)		52/131	SBB	
		01 BENGKULU SELATAN	BINTUHAN MANA		3/9 3/9	IKK	2/2
		02 REJANG LEBONG		MUARA AMAN	5		0/1
		03 BENGKULU UTARA	ARGAMAMUR		3/9	IKK	1/1 (2/2)
		71 KODYA/IBUKOTA PROP.	BENGKULU (03)		46/53	SBS	

表AN2-6-2 (6/23) 国内衛星通信システムの地上局一覽表 (第4次計画含む)

NO.	PROPINSI	KABUPATEN	SITE		MODEM	NOTES	1984/ 1989
			EXISTING (1984)	PLANNED (PELITA IV)			
1800	LAMPUNG	01 LAMPUNG SELATAN		KALIANDA KOTA AGUNG	5 5		0/2 (1/3)
		02 LAMPUNG TENGAH	-	-			0
		03 LAMPUNG UTARA	KRUI	MANGGARA	1/9 5		1/2
		71 KODYA/IBUKOTA PROP.	TANJUNG KARANG (01)	PRING SEWU BANDAR JAYA WAY JEPARA	29/25 5 5 5		

表 AN2-6-2 (7/23) 国内衛星通信システムの地上局一覧表 (第4次計画含む)

NO.	PROPINSI	KABUPATEN	SITE		MODEM	NOTES	1984/ 1989	
			EXISTING (1984)	PLANNED (PELITA IV)				
3100	D.K.I. JAKARTA		JAKARTA/GAMBIR		257/ 429	SB/SBK	1/1	
3200	JAWA BARAT	01	PANDEGLANG	-	-		0	
		02	LEBAK	-	-		0	
		03	BOGOR	TEST CIBINONG CIBINONG		4/4 77/77	CIBINONG MASTER CONTROL St.	1/1
		04	SUKABUMI		PELABUHAN RATU	5		0/1
		05	CIANJUR		-			
		06	BANDUNG	GEGERKALONG		2/2	BANDUNG TRAIN- ING CENTER	(1/1)
		07	GARUT		PAMENGPEUK	5		0/1
		08	TASIKMALAYA		-			0
		09	CIAMIS		-			0
		10	KUNINGAN		-			0
		11	CIREBON		-			0
		12	MAJALENGKA		-			0
		13	SUMEDANG		-			0
		14	INDRAMAU		-			0
		15	SUBANG		-			0

表AN2-6-2 (8/23) 国内衛星通信システムの地上局一覽表 (第4次計画含む)

NO.	PROPINSI	KABUPATEN	SITE		MODEM	NOTES	1984/ 1989	
			EXISTING (1984)	PLANNED (PELITA IV)				
3300	JAWA BARAT	16	PURWAKARTA	-	-		0	
		17	KARAWANG	-	-		0	
		18	BEKASI	-	-		0	
		19	TANGGEPANG	-	-		0	
		20	SERANG	-	-		0	
		73	KODYA/IBUKOTA PROP. BANDUNG (06)	BANDUNG	-	31/78		0
		01	CILACAP	CILACAP	-	3/29	IKK, SBS	1/0
		02	BANYUMAS	-	-			0
		03	PURBALINGGA	-	-			0
		04	BANJARNEGARA	-	-			0
		05	KEBUMEN	-	-			0
06	PURWOREJO	-	-			0		
07	WONOSOBO	-	-			0		
08	MAGELANG	-	-			0		
09	BOYOLALI	-	-			0		
10	KLATEN	-	-			0		
11	SUKOHARJO	-	-			0		

表AN2-6-2 (9/23) 国内衛星通信システムの地上局一覽表 (第4次計画含む)

NO.	PROPINSI (JAWA TENGAH)	KABUPATEN	SITE		MODEM	NOTES	1984/ 1989
			EXISTING (1984)	PLANNED (PELITA IV)			
		12 WONOGIRI	-	-			0
		13 KARANGANYAR	-	-			0
		14 SRAGEN	-	-			0
		15 GROBOGAN	-	-			0
		16 BLORA	-	-			0
		17 REMBANG	-	-			0
		18 PATI	-	-			0
		19 KUDUS	-	-			0
		20 JEPARA	-	KARIMUN JAWA	5	P. KARIMUN JAWA	0
		21 DEMAK	-	-			0
		22 SEMARANG	-	-			0 (1/1)
		23 TEMANGGUNG	-	-			0
		24 KENDAL	-	-			0
		25 BATANG	-	-			0
		26 PEKALONGAN	-	-			0
		27 PEMALANG	-	-			0
		28 TEGAL	-	-			0

表AN2-6-2 (10/23) 国内衛星通信システムの地上局一覧表 (第4次計画含む)

NO.	PROPINSI	KABUPATEN	SITE		MODEM	NOTES	1984/ 1989
			EXISTING (1984)	PLANNED (PELITA IV)			
	(JAWA TENGAH)	29 BREBES	-	-			0
		74 KODYA/IBUKOTA PROP. SEMARANG (22)	-	-	9/89	SBB	0
3400	DAERAH ISIMENWA YOGYAKARTA	01 KULON PROGO	-	-			0
		02 BANTUL	-	-			0
		03 GUNUNG KIDUL	-	-			0
		04 SLEMAN	-	-			0 (1/1)
		71 KODYA/IBUKOTA PROP. YOGYAKARTA (04)	-	-	3/107	SBB	0

表AN2-6-2 (1.1/23) 国内衛星通管システムの地上局の一覧表 (第4次計画含む)

NO.	PROPINSI	KABUPATEN	SITE		MODERN	NOTES	1984/ 1989
			EXISTING (1984)	PLANNED (PELITA IV)			
3500	JAWA TIMUR	01 PACITAN	-	PACITAN	5	IKK	1/1
		02 PONOROGO	-	-			0
		03 TRENGGALEK	-	-			0
		04 TULUNGAGUNG	-	-			0
		05 BLITAR	-	-			0
		06 KENDIRI	-	-			0
		07 MALANG	-	-			0
		08 LUMAJANG	-	-			0
		09 JEMBER	-	-			0
		10 BANYUWANGI	-	-			0
		11 BONDOWOSO	-	-			0
		12 SITUBONDO	-	-			0
		13 PROBOLINGGO	-	-			0
		14 PASURUAN	-	-			0
		15 SIDOARJO	-	-			0
		16 MOJOKERTO	-	-			0
		17 JOMBANG	-	-			0

表 AN2-6-2 (12/23) 国内衛星通信システムの地上局一覽表 (第4次計画含む)

NO.	PROPINSI	KABUPATEN	SITE		MODEM	NOTES	1984/ 1989
			EXISTING (1984)	PLANNED (PELITA IV)			
	(JAWA TIMUR)	18 NGANJUK	-	-			0
		19 MADIUN	-	-			0
		20 MAGETAN	-	-			0
		21 NGAWI	-	-			0
		22 BOJONEGORO	-	-			0
		23 TUBAN	-	-			0
		24 LAMONGAN	-	-			0
		25 GRESIK	-	-			0
		26 BANGKALAN	-	-			(1/1) 0
		27 SAMPANG	-	-			0
		28 PAMEKASAN	-	-			0
		29 SUMENEP	-	-			0
		78 KODYA/IBUKOTA PROP. SURABAYA (25)			120/ 216 5	SBB SURABAYA 1 SURABAYA 2	
				KANGEAN			



表AN2-6-2 (13/23) 国内衛星通信システムの地上局一覽表 (第4次計画含む)

NO.	PROPINSI	KABUPATEN	SITE		MODERN	NOTES	1984/ 1989
			EXISTING (1984)	PLANNED (PELITA IV)			
5100	BALI	01 JEMBRANA	-	-			0
		02 TABANAN	-	-			0
		03 BADUNG	-	-			0 (1/1)
		04 GIANYAR	-	-			0
		05 KLUNGKUNG	-	-			0
		06 BAWGLI	-	BAWGLI	5	IKK/P. BALI	0/1
		07 KARANGSEM	-	-			0
		08 BULELENG	-	-			0
5200	NUSA TENGGARA BARAT	KOTA ADM.	DENPASAR (03)		12/149	SBB, P. BALI	1/1
		01 LOMBOK BARAT	-	-			0 (1/1)
		02 LOMBOK TENGAH		PRAYA	5	IKK/P. LOMBOK	0/1
		03 LOMBOK TIMUR		SELONG	5	IKK/P. LOMBOK	0/1
		04 SUMBAWA		ALAS	5	P. SUMBAWA	0/1
		05 DOMPU	-	-			0
06 BIMA	-	-			0		
		KOTA ADMINISTRASI IBUKOTA PROPINSI	MATARAM (01)		4/49	P. LOMBOK	

表AN2-6-2 (14/23) 国内衛星通信システムの地上局一覽表 (第4次計画含む)

NO.	PROPINSI	KABUPATEN	SITE		MODEM	NOTES	1984/ 1989
			EXISTING (1984)	PLANNED (PELITA IV)			
5300	NUSA TENGGARA TIMUR	01 SUMBA BARAT	WAIKABUEAK		3/9	IKK/P. SUMBA	1/1
		02 SUMBA TIMUR	WAINGAPU		2/2	SBS/P. SUMBA	1/1
		03 KUPANG	KUPANG	BAA	5 70/70	P. ROTI SBS/P. TIMOR	0/1 (1/2)
		04 TIMOR TENGAH SELATAN		SOE	5	IKK/P. TIMOR	0/1
		05 TIMOR TENGAH UTARA		KEFAMENANU	5	IKK/P. TIMOR	0/1
		06 BELU	ATANBUA		3/9	P. ALOR	1/1
		07 ALOR	KALABAHI		1/9	P. ALOR	1/1
		08 FLORES TIMUR	LARANTUKA		3/9	IKK/P. FLORES	1/1
		09 SIKKA	MAUMERE		2/9	IKK/P. FLORES	1/1
		10 ENDE	ENDE		3/25	IKK/P. FLORES	1/1
		11 NGADA		BAJAWA	5	IKK/P. FLORES	1/1
		12 MANGGARAI		-			0

表AN2-6-2 (15/23) 国内衛星通信システムの地上局一覧表 (第4次計画含む)

NO.	PROVINSI	KABUPATEN	SITE		MODEM	NOTES	1984/ 1989
			EXISTING (1984)	PLANNED (PELITA IV)			
5400	TIMOR TIMOR	01 COVA LIMA		SUAI	5	IKK/P. TIMOR	0/1
		02 AINARO		AINARO	5	IKK/P. TIMOR	0/1
		03 MANUFARI		SAME	5	IKK/P. TIMOR	0/1
		04 VIKERE		VIKERE	5	IKK/P. TIMOR	0/1
		05 LAUTEM		LOS PALOS	5	IKK/P. TIMOR	0/1
		06 BAUCAU		BAUCAU	5	IKK/P. TIMOR	0/1
		07 MANATUTO		MANATUTO	5	IKK/P. TIMOR	0/1
		08 DILLI		DILLI	5/41	IBUKOTA P. TIMOR PROPINSI	1/1
		09 AILIU		AILIU	5	IKK/P. TIMOR	0/1
		10 LIQUICA		LIQUICA	5	IKK/P. TIMOR	0/1
		11 ERMERA		ERMERA	5	IKK/P. TIMOR	0/1
		12 BOBONARO		MALIANA	5	IKK/P. TIMOR	0/1
		13 AMBENO		PANTEMKASAR	5	IKK/P. TIMOR	0/1

表AN2-6-2 (16/23) 国内衛星通信システムの地上局一覧表 (第4次計画含む)

NO.	PROPINSI	KABUPATEN	SITE		MODEM	NOTES	1984/ 1989
			EXISTING (1984)	PLANNED (PELITA IV)			
6100	KALIMANTAN BARAT	01 SAMBAS	SINGKAWANG SAMBAS	BENGKAYANG	3/9 3/10 5	IKK	2/3
				NGABANG	5		0/1 (1/2)
				ANGGAU	2/9 5	IKK	1/2 3/3
				KETAPANG PADANG KARIMATA KENDAWANGAN	3/9 3/3 3/9	IKK P. KARIMATA	
				SINTANG	2/24 5	IKK	1/2
				PUTU SIRAU	3/9	IKK	1/1
				PONTIANAK (02)	56/100	SEB	1/1
6200	KALIMANTAN TENGAH	01 KOTA WARINGIN BARAT	NGABANG SUKAMARA	5 5			
			PANGKALAN BUN	2/22	IKK	1/1	
			SAMPIT	4/31 5	IKK	1/2	
			02 KOTA WARINGIN TIMUR	5			
			03 KATINGAN	5			
			04 KAPUAS	5	IKK	0/1 (1/2)	
			KUALA PEMBUANG KASONGAN KUALA KAPUAS				

表 AN2-6-2 (17/23) 国内衛星通信システムの地上局一覧表 (第4次計画含む)

NO.	PROPINSI	KABUPATEN	SITE		MODEM	NOTES	1984/ 1989	
			EXISTING (1984)	PLANNED (PELITA IV)				
6300	(KALIMANTAN TENGAH)	05	BARITO SELATAN	BUNYOK		2/22	IKK	1/1
		06	BARITO TIMUR		TEMIANG LAYANG	5	IKK	0/1
		07	BARITO UTARA	MUARA TAWEH		3/9	IKK	1/1
		08	GUNUNG MAS	KUALA KURUN		3/9	IKK	1/1
		09	MURUNG RAYA	-	-			0
		71	KODYA/IBUKOTA PROP.	PALANGKA RAYA (04)		44/39	SBS	
		01	TANAH LAUT		PLEIHARI	5	IKK	0/1
		02	KOTA BARU	KOTA BARU		4/9	IKK/P. LAUH	1/2
		03	BANJAR	-	-	5		0
		04	BARITO KUALA	-	-			0
05	TAPIN	-	-			0		
06	HULU SEI SALATAN	-	-			0		
07	HULU SEI TENGAH	-	-			0		
08	HULU SEI UTARA	-	-			0		

表AN2-6-2 (18/23) 国内衛星通信システムの地上局一覽表 (第4次計画含む)

NO.	PROPINSI	KABUPATEN	SITE		MODEM	NOTES	1984/ 1989	
			EXISTING (1984)	PLANNED (PELITA IV)				
6400	(KALIMANTAN SELATAN)	09 TABALONG	-	-	52/123	SBB	0	
			71	KODYA/IBUKOTA PROP.	BANJARMASIN			
			01 PASIR		-			0
			02 KUTAI		-			0
			03 BERAU		TANJUNG REDEP		2/10	IKK
6400	KALIMANTAN TIMUR	04 BULONGAN	TARAKAN		32/39	P. TARAKAN	3/3	
			NUNUKAN		3/13	SBS		
			TANJUNG SELOR		2/10	P. NUNUKAN IKK		
6400	(KALIMANTAN SELATAN)	72	KODYA/IBUKOTA PROP.	SAMARINDA	76/113	SBB		
					KUALA KUAYAN	2/9		
				MELAK	5			

表 A N 2 - 6 - 2 ( 1 9 / 2 3 ) 国内衛星通信システムの地上局一覧表 ( 第 4 次計画含む )

NO.	PROPINSI	KABUPATEN	SITE		MODEM	NOTES	1984/ 1989	
			EXISTING (1984)	PLANNED (PELITA IV)				
7100	SULAWESI UTARA	01 GORONTALO	-	-			0 (1/1)	
		02 BOLAANG MANGONDOW	KOTA MOBAGO		3/7	IKK		
		03 MINAHSA		AMURANG	5			0/1 (1/2)
		04 SANGIHE TALAUD	TARUNA		4/7	IKK/P. SANGIR	1/1	
		72 KODYA/IBUKOTA PROP.	MANDADO (03)		47/152	SBB		
		71 KOTAMADYA	GORONTALO (01)		3/18			
7200	SULAWESI TENGAH	01 LUWUK/BANGGAI	LUWUK	BANGGAI	3/45 5	IKK P. BANGGAI	1/2	
		02 POSO	POSO		3/9	IBUKOTA PROPINSI	1/2	
		03 DONGGALA	PALU	AMPANA	5			1/2
		04 BUOL TOLI-TOLI	TOLI TOLI	PARIGI	53/68 5	KOTA ADMINISTRASI SBS		1/1
					2/9	IKK		

表 AN2-6-2 (20/23) 国内衛星通信システムの地上局一覧表 (第4次計画含む)

NO.	PROPINSI	KABUPATEN	SITE		MODEM	NOTES	1984/ 1989
			EXISTING (1984)	PLANNED (PELITA IV)			
7300	SULAWESI SELATAN	01 SELAYAR	-	-			0
		02 BULUKUMBA	-	-			0
		03 BANTAENG	-	-			0
		04 JENEPONTO		JENEPONTO	5		0/1
		05 TAKALAR		TAKALAR	5	IKK	0/1
		06 GOWA	-	-			0
		07 SINJAI	SINJAI		1/10	IKK	1/1
		08 BONE	WATAMPUNE		1/10	IKK	1/1
		09 MAROS	-	-			0
		10 PANGKAJENE KEPULAUAN	-	-			0
		11 BARRU	-	-			0
		12 SOPPENG	-	-			0
		13 WAJO	-	-			0
		14 SIDDENRENG RAPANG	-	-			0
		15 PINRANG	-	-			0
		16 ENREKANG	ENREKANG		1/10	IKK	1/1
		17 LUWU LUWU	SOROAKO PALOPO		3/3 3/10	SBS IKK	2/2



表 A N 2 - 6 - 2 ( 2 1 / 2 3 ) 国内衛星通信システムの地上局一覧表 ( 第 4 次計画含む )

NO.	PROPINSI	KABUPATEN	SITE		MODEM	NOTES	1984/ 1989
			EXISTING (1984)	PLANNED (PELITA IV)			
	(SULAWESI SELATAN)	18 TANAJARA	RANTEPAO	MAKALE	3/10 5	IKK	1/2
		19 POLEWALI MAMASA	-	POLEWALI	5		0/1
		20 MAJENE	-	-			0
		21 MAMUJU	-	MAMUJU	5	IKK	0/1
		71 KODYA/IBUKOTA PROP.	UJUNG PANDANG (09)		74/119	SBB	
7400	SULAWESI TENGGARA	01 BUTON	BAU BAU		3/9	IKK/P.BUTON	1/1
		02 MUNA	RAHA		3/9	IKK/P.MUNA	1/1
		03 KENDARI	KENDARI		40/59	IBUKOTA PROPINSI/SBS	1/1
		04 KOLAKA	KOLAKA		3/9	IKK	1/1

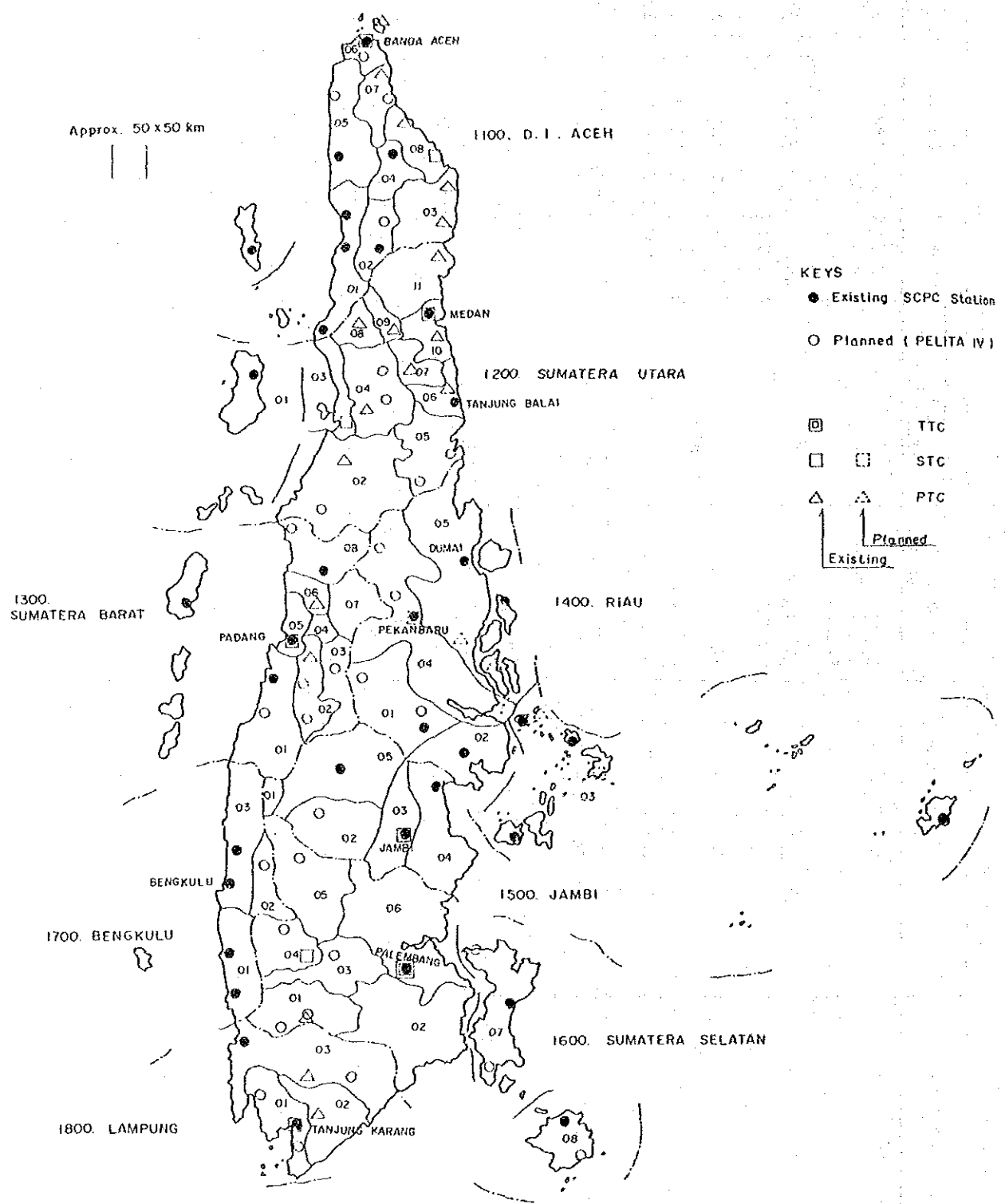
表AN2-6-2 (22/23) 国内衛星通信システムの地上局一覽表 (第4次計画含む)

NO.	PROPINSI	KABUPATEN	SITE		MODEM	NOIES	1984/ 1989		
			EXISTING (1984)	PLANNED (PELITA IV)					
8100	MALUKU	01 MALUKU TENGGARA	TUAL		3/39	IKK/P.KAI	2/2		
			SAUMLAKI		3/10	P.TANIMBAR			
			NAMLEA		1/10	P.BURU	2/4 (3/5)		
			MASOHI	SAPARUA WAHAI	1/10 5 5	IKK/P.SERAM P.SAPARUA P.SERAM			
8200	IRIAN JAYA	03 HALMAHERA TENGAH	SOA SIU		1/10	IKK/P.TIDORE	1/1		
			TERNATE		36/47	SBB			
			TOBELO		2/10	IKK/P.TERNATE	3/4		
			SANANA	LABUHA	1/10 5	P.HALMAHERA P.SANANA P.BACAN			
		71	KODYA/IBUKOTA PROP.	AMBON		37/77	SBB, P.AMBON	2/2	
					DOBO BANDANAIIRA MOROTAI	5 5 5			
				01 MERAUKE	MERAUKE		30/34	IKK, SBS	2/2
					TANAH MERAH		2/10		
				02 JAYA WIJAYA	WAMENA		2/7		1/1
					JAYAPURA	JAYAPURA	50/64	IBUKOTA PROPINSI, SBB	2/2
04 PANIAI		SARMI		1/10		1/2			
		NABIRE	ENAROTALI	2/6 5					

表AN2-6-2 (23/23) 国内衛星通信システムの地上局一覧表 (第4次計画含む)

NO.	PROPINSI	KABUPATEN	SITE		MODEM	NOTES	1984/ 1989
			EXISTING (1984)	PLANNED (PELITA IV)			
	(IRIAN JAYA)	05 FAK-FAK	FAK-FAK TEMBAGAPURA KAIMANA		5/5 4/4 2/10	IKK, SBS SBS	3/3
		06 SORONG	SORONG TEMINABUAN		42/44 1/10	IKK, SBS	2/2
		07 MANUKWARI	MANUKWARI	RANSIKI	30/36 5	IKK, SBS	1/2
		08 YAPEN WAROPEN	SERUI		2/10	P. SURENAWA	1/1
		09 TELUK CENDRAWASIH	BIAK		35/35	SBS/P. BIAK	1/1

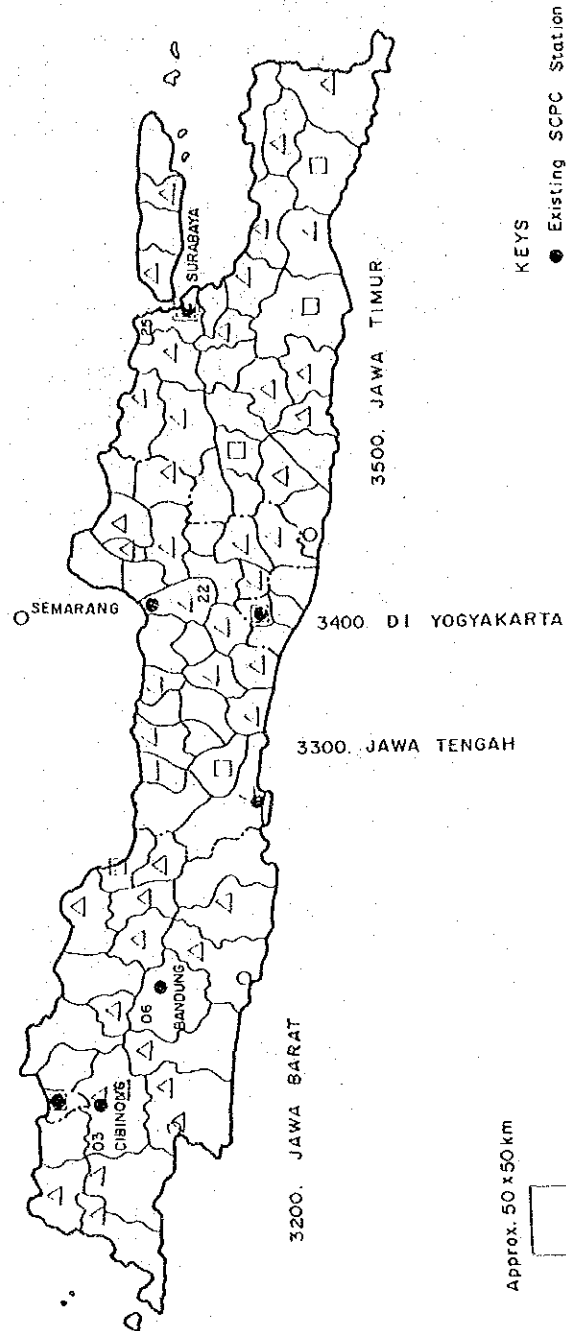
SUMATERA



図AN2-6-3 (1/7) 国内衛星通信システムの地上局位置 (第4次計画含む)

JAWA

3100. DKI JAKARTA



Approx. 50 x 50 km



- KEYS
- Existing SPC Station
  - Planned ( PELITA IV )

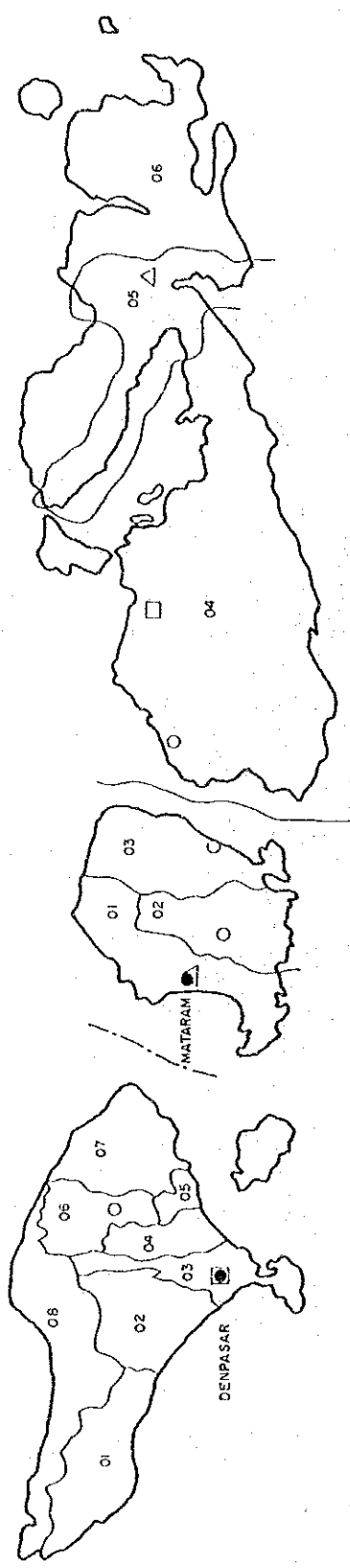
- ▣ TTC
- STC
- △ PTC
- ↑ Planned
- └ Existing

図 AN2-6-3 (2/7) 国内衛星通信システムの地上局位置 (第4次計画含む)

BALI / NUSA TENGGARA BARAT

5100 BALI

5200 NUSA TENGGARA BARAT



Approx. 50 x 50 km

- KEYS
- Existing SPC Station
  - Planned ( PELITA IV )

- ⊞ TTC
- STC
- △ PTC
- ↑ Planned
- ↓ Existing

図 AN2-6-3. (3/7) 国内衛星通信システムの地上局位置 (第4次計画含む)

NUSA TENGGARA TIMUR / TIMOR TIMUR

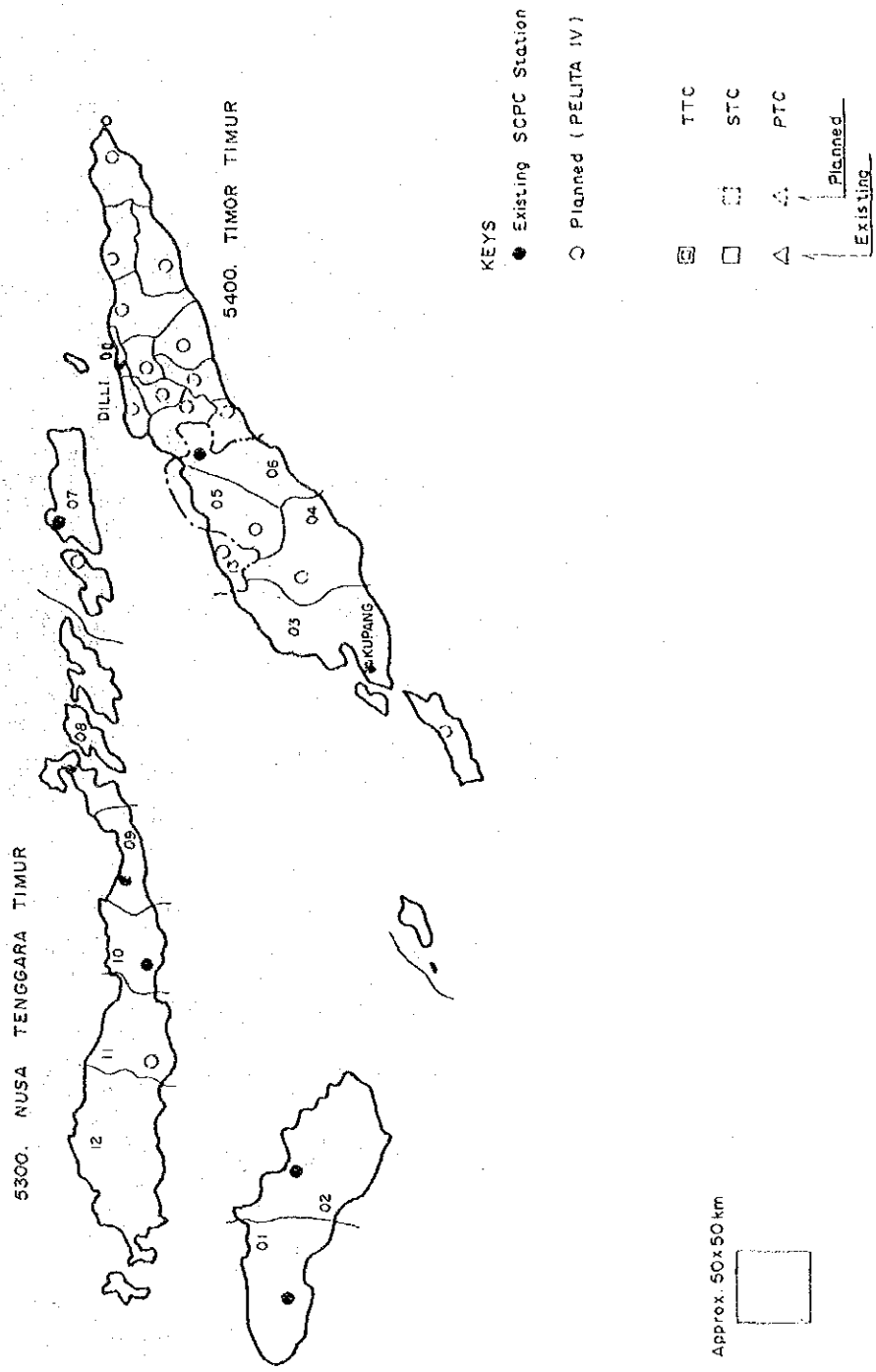
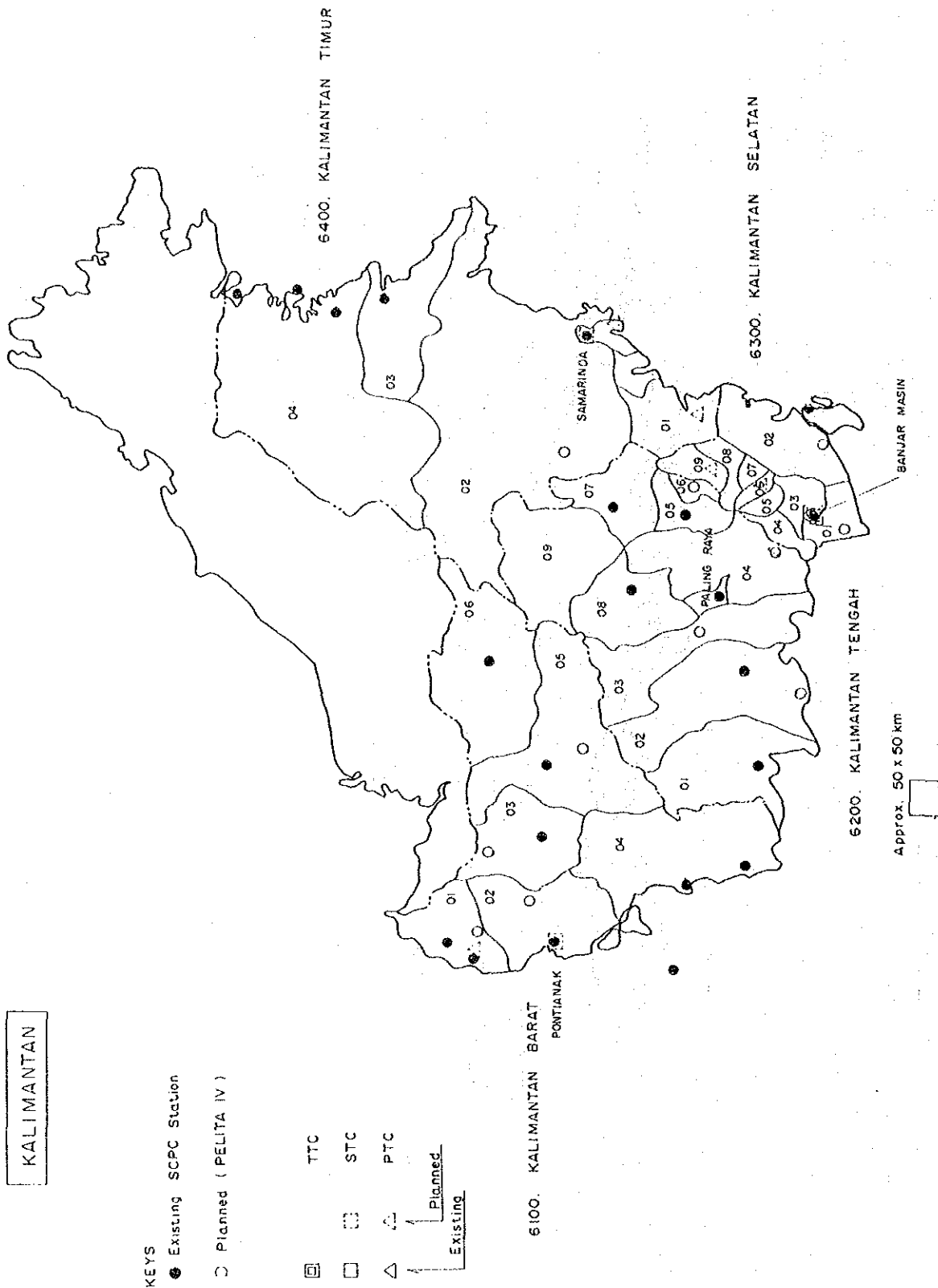


図 AN2-6-3 (4/7) 国内衛星通信システムの地上局位置 (第4次計画含む)



図AN2-6-3 (5/7) 国内衛星通信システムの地上局位置 (第4次計画含む)



SULAWESI

KEYS

● Existing SCPC Station

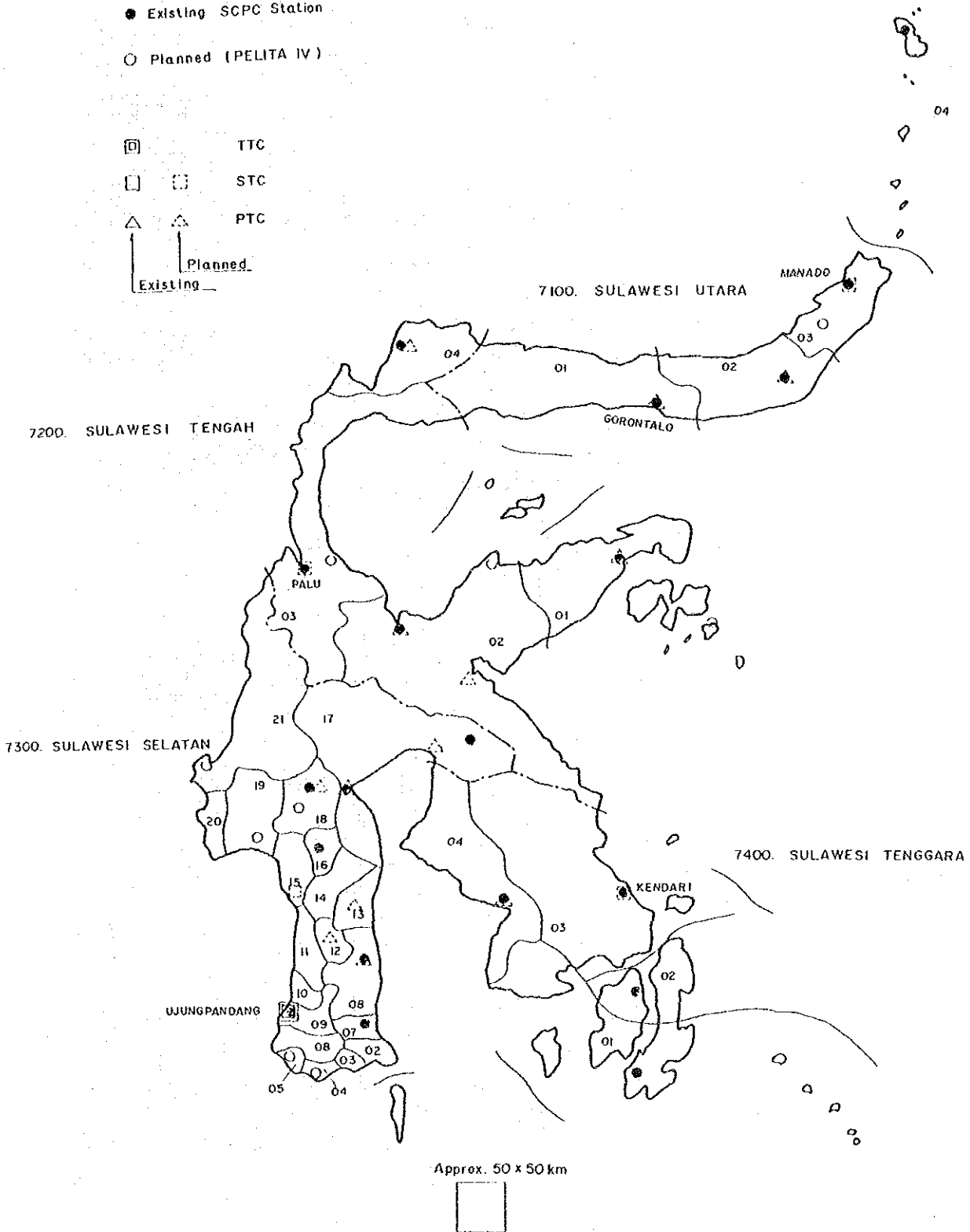
○ Planned (PELITA IV)

▣ TTC

□ STC

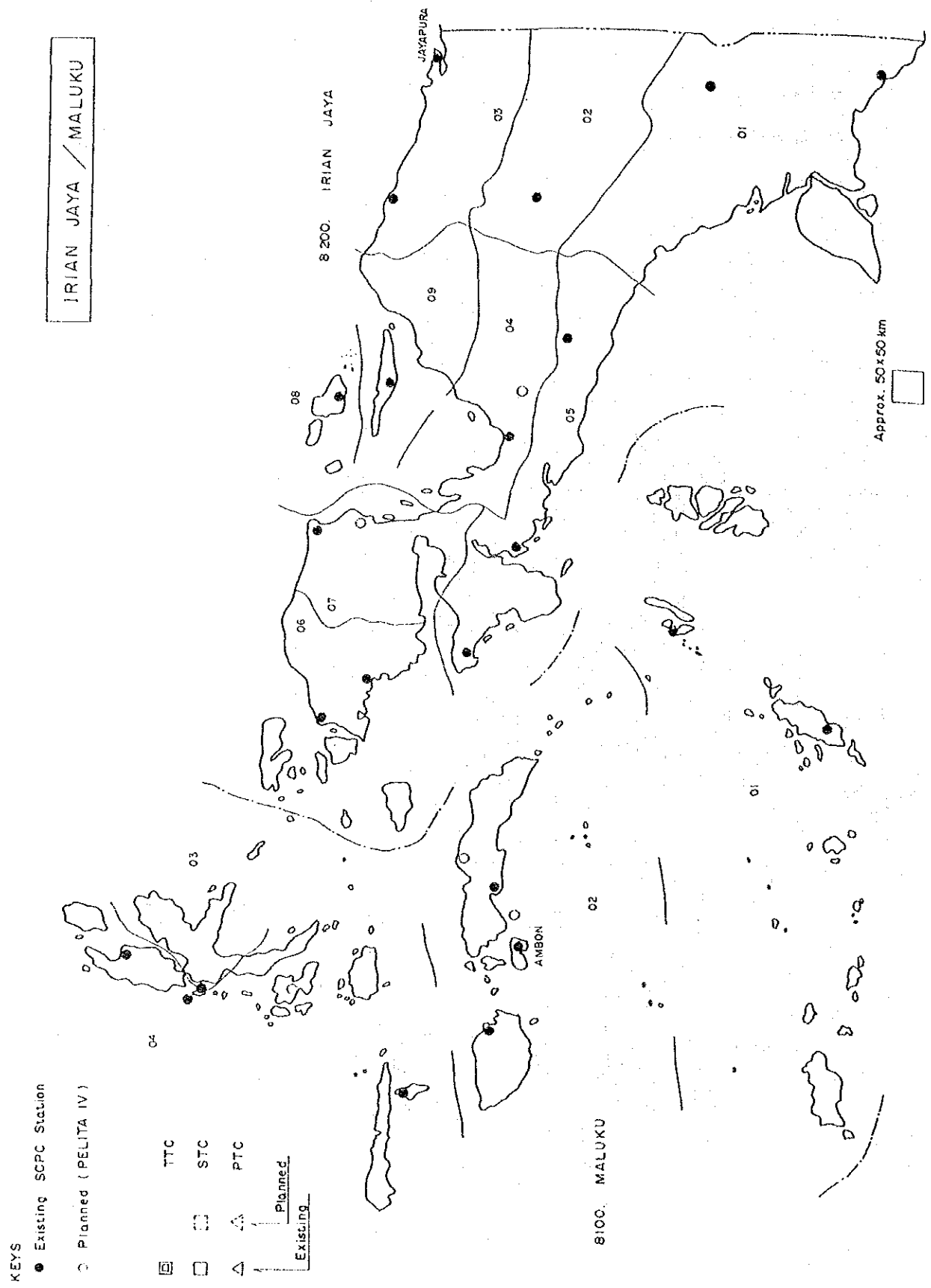
△ PTC

Planned  
Existing



図AN2-6-3 (6/7) 国内衛星通信システムの地上局位置 (第4次計画含む)

IRIAN JAYA / MALUKU



図AN2-6-3 (7/7) 国内衛星通信システムの地上局位置 (第4次計画含む)

Code No.	Kabupaten/ Kodya	Demographic Data		Satellite Communications			Telephone Subscribers		Indices				
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	GROWTH POLE Industry	No. of St. No. of Modems	No. of Oct. Existing Subscribers 1983	Access Demand 1984/2000	I	II	III		
												SCPC 1984/1989	SCPC 1984/1989
1100	PROPINSI D.I. ACEH	2,920,992 4,371,500	46,405	62.9/94.2		8/13	71/161	5,995	15,907 41,646				
01	KAB. ACEH SELATAN	309,325 450,265	9,307	33.2/48.4	MEULABOH Rice Crop	3/3	9/27	148	1,689 3,914	130	x		o
02	KAB. ACEH TENGGARA	185,228 301,634	3,625	51.1/83.2	TAKENCON Tourism	1/2	3/14	102	940 2,246	100	x		*
03	KAB. ACEH TIMUR	477,957 751,898	9,070	52.7/82.9	LHOKSEUMAWE Industry	0/0	-	1,031	2,810 8,074	75	o		*
04	KAB. ACEH TENGAH	171,997 192,346	5,369	32.0/35.8	Pulp	1/1	2/9	191	872 1,311	65	x		*
05	KAB. ACEH BARAT	321,573 489,608	6,713	47.9/72.9		2/3	6/23	257	1,737 4,350	135	x		o
06	KAB. ACEH BESAR	263,170 393,435	3,263	80.7/120.6	Animal Husbandry	0/1	0/5	24	1,251 3,175	40	o		o
07	KAB. PIDIE	378,296 533,323	4,131	91.6/129.1	Fishery	0/1	0/5	489	2,050 4,848	60	o		*
08	KAB. ACEH UTARA	703,057 1,079,761	4,758	147.8/226.9		0/0	-	1,524	4,458 13,728	87	o		*
71(06)	KODYA BANDA ACEH (A)	81,557 131,145	19	-	BANDA ACEH Animal Hus.	1/1	51/73	1,933	-	-	o		o
72(06)	KODYA SABANG (B)	28,678 48,087	150	-		0/0	-	296	-	-	o		o
					JANTHOI	0/1	0/5						

表AN2-6-4 (2/32)

## 各県の電話アクセスピリテ

Code No.	Kabupaten/ Kodya	Demographic Data				Satellite Communications				Telephone Subscribers			Indices		
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	GROWTH POLE Industry	SCPC 1984/1989	SCPC 1984/1989	FDMA+FDMA 1984/1989	Existing Subscribers 1983	Access Demand 1984/2000	I	II	III		
											Geo- graphical PTC/IKK	Access to Road	Condition		
1200	PROP. SUMATERA UTARA	9,274,271 13,159,400	65,844	140.9/199.9		3/4	82/167	31,624	37,596 98,923						
01	KAB. NIAS	511,963 497,448	4,761	107.5/146.5	Food Animal Hus.	1/1	3/6	189	2,379 5,616	75	x	o	Island		
02	KAB. TAPANULI SELATAN	843,140 1,158,027	9,661	87.3/119.9	Fishery Tourism	0/1	0/5	607	4,457 11,772	108	o	*	*		
03	KAB. TAPANULI TENGAH	185,473 263,188	2,415	76.8/109.0		0/0	-		797 1,580	52	o	o	o		
04	KAB. TAPANULI UTARA	737,468 907,999	15,670	47.1/57.9	Plantation	0/2	0/10	373	3,847 8,395	72	x	o	o		
05	KAB. LABULAN BATU	618,463 934,317	7,220	85.7/129.4	Plantation	0/2	0/10	632	3,041 8,572	72	x	*	*		
06	KAB. ASAHAN	884,260 1,302,781	4,707	187.9/276.8	Food Fishery	0/0	-	771	4,618 13,809	33	o	*	*		
07	KAB. SIMALUNGUN	843,555 1,158,027	4,932	171.0/234.8		0/0	-	183	4,330 11,602	50	o	*	*		
08	KAB. DAIRI	268,802 381,623	3,429	78.4/111.3		0/0	-	223	1,170 2,508	20	o	*	*		
09	KAB. KARO	241,534 328,985	1,442	167.5/228.1	Industry	0/0	-	535	1011 2,035	55	o	*	*		
10	KAB. DELI SERDANG	1,343,652 1,697,563	4,419	304.1/384.2	Mining	0/0	-	278	7,762 20,586	68	o	*	*		
11	KAB. LANGKAT	808,518 1,210,665	6,007	134.6/201.5		0/0	-	270	4,184 12,448	75	o	*	*		

Code No.	Kebupaten/ Kodya	Demographic Data		Satellite Communications			Telephone Subscribers			Indices			
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	SCPC 1984/1989	No. of St. No. of Modems 1984/1989	FDNA+TDNA 1984/1989	SCPC 1984/1989	Existing Subscribers 1983	Access Demand 1984/2000	I	II	III
71(01)	KODYA SIBOLGA (A)	65,222 92,116	177	-	0/0	-	-	820	-	-	0	0	0
72(05)	KODYA TANJUNG BALAI (B)	46,391 65,797	51	-	1/1	3/10	-	430	-	-	0	0	0
73(04)	KODYA KOTA SLANTAR (C)	159,450 210,550	6	-	0/0	-	-	3,664	-	-	0	0	0
74(10)	KODYA TEBING TINGGI (D)	102,043 171,072	107	-	0/0	-	-	788	-	-	0	0	0
75(09)	KODYA MEDAN (E)	1,530,123 2,460,808	789	-	1/1	76/96	240/870	20,924	-	-	0	0	0
76(11)	KODYA BINJAI (F)	83,736 118,435	51	-	0/0	-	-	937	-	-	0	0	0

BACANSIA PIAPI 0/5  
 STABAT 0/5  
 DOLOG MARANGIR 0/5  
 KUALA 0/5  
 KEMBANG MUDA 0/5  
 PULAU RAKYAT 0/5

表AN2-6-4 (4/32) 各県の電話アクセスピリテ

Code No.	Kabupaten/ Kodya	Demographic Data			Satellite Communications			Telephone Subscribers			Indices		
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	GROWTH POLE Industry	No. of Sr. No. of SCPC 1984/1989	No. of Modems SCPC 1984/1989	No. of Cct. of FDMA/TDMA 1984/1989	Existing Subscribers 1983	Access Demand 1984/2000	I	II	III
1300	PROP. SUMATERA BARAT	3,635,397 4,579,000	68,176	53.3/67.2				8,346	9,739 17,517				
01	KAB. PESISIR SELATAN	337,904 425,847	5,751	58.8/74.0	1/2	3/14		120	1,169 2,175	125	x		o
02	KAB. SOLOK	375,431 453,321	7,121	52.7/63.7	0/2	0/10		87	1,307 2,359	87	x		o
03	KAB. SAWAH LUNTO/ SIJUNJUNG	242,752 325,109	6,006	40.4/54.1	0/1	0/5		87	862 1,607	117	x		o
04	KAB. TANAH DATAR	341,598 412,110	1,405	243.1/293.3	0/0	-		141	1,090 1,986	41	x		o
05	KAB. PADANG PARIAMAN	473,197 494,532	6,667	71.0/74.2	1/1	1/9		155	1,527 2,605	46	o		*
06	KAB. AGAM	414,574 494,532	2,019	205.3/244.9	0/0	-		168	1,337 2,489	60	x		o
07	KAB. LIMAPULUH KOTA	281,975 306,793	3,571	79.0/85.9	0/0	-			955 1,476	46	x		*
08	KAB. PASAMAN	390,947 522,006	9,537	41.0/54.7	0/2	0/10		130	1,392 2,820	94	x		o
71(05)	KODYA PADANG (A)	527,204 819,641	628	-	1/1	32/35	24/84	5,088	-		o		o
72(02)	KODYA SOLOK (B)	35,839 50,369	58	-	0/0	-		550	-		o		o
73(03)	KODYA SAWAH LUNTO (C)	14,528 13,737	66	-	0/1	0/5		89	-		x		o

表AN2-6-4 (5/32)

各県の電話アクセスピリテ

Code No.	Kabupaten/ Kodya	Demographic Data		Satellite Communications			Telephone Subscribers		Indices			
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	SCPC 1984/1989	No. of St. No. of Modems No. of Oct. Existing SCPC FOMA/TDMA 1984/1989 1984/1989	SCPC 1984/2000	Existing Subscribers 1983	Access Demand 1984/2000	I	II	III
74(04)	KODYA PADANG PANJANG (D)	35,449 45,790	23	-	0/0	-	212	-	x			o
75(06)	KODYA BUKIT TINGGI (E)	76,178 96,159	25,239	-	0/0	-	1,242	-	o			o
76(07)	KODYA PAYA KUMBUH (F)	86,616 119,054	85	-	0/0	-	364	-	x			o

SUNGGAI PENUH 0/5  
LUBUK BASUNG 0/5  
SUNGGAI DAREH 0/5  
TALLI 0/5

表AN2-6-4 (6/32)

各県の電話アクセスサービス

Code No.	Kabupaten/ Kodya	Demographic Data			Satellite Communications			Telephone Subscribers			Indices			
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	SCPC 1984/1989	SCPC 1984/1989	No. of Cct. of Modems SCPC 1984/1989	SCPC 1984/1989	SCPC 1984/1989	SCPC 1984/1989	Existing Subscribers 1983	Access Demand 1984/2000	I	II
1400	PROP. RIAU	2,456,206 3,847,900	94,032	26.1/40.9						5,403	9,902 22,404			
01	KAB. INDRAGIRI NULU	254,295 361,703	15,855	16.0/22.8	1/3	3/20	RENGAT Agriculture Industry			214	1,094 1,986	65	x	o
02	KAB. INDRAGIRI HILIR	465,474 781,124	11,606	40.1/67.3	1/1	4/9				257	2,009 4,983	43	x	*
03	KAB. KEPULAUAN RIAU	467,665 688,774	8,100	57.7/85.0	4/4	65/85	TC. PINANG Commerce Industry Tourism		(P. BATAM) 72/162	986	1,958 4,188	78	x	* Island
04	KAB. KAMPAR	402,468 619,512	28,291	14.2/21.9	0/2	0/10	P. PANGARAJAN Agriculture			116	1,803 3,867	100	x	*
05	KAB. BENGKALIS	647,114 1,023,541	30,117	21.5/34.0	2/2	27/37	DUMAY Industry Commerce Mining			849	3,041 7,380	110	x	*
71(04)	KODYA PENAN BARU (A)	219,003 373,246	63	-	1/1	45/51	PENANBARU Agriculture		96/246	2,981	-	-	x	o



表AN2-6-4 (7/32) 各県の電話アクセスビリティ

Code No.	Kabupaten/ Kodya	Demographic Data			Satellite Communications			Telephone Subscribers			Indices			
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	Industry	SPC 1984/1989	SCPC 1984/1989	FDMA/TDMA 1984/1989	Existing Subscribers 1983	Access Demand 1984/2000	I	II	III	
1500	PROP. JAMBI	1,677,692 2,870,900	53,435	31.4/53.7				3,414	5,180 10,376					
01	KAB. KERINCI	263,862 399,055	4,200	62.8/95.0	SUNGAI PENJUH Food, Vegetable	0/0		476	911 1,588	x		*		
02	KAB. SAROKO	259,855 467,957	14,200	18.3/33.0	BANGKO Rubber, Food	0/1	0/5		980 2,010	x		*		
03	KAB. BATANG HARI	254,917 422,022	11,200	22.8/37.7	Industry	0/0			937 1,776	o		*		
04	KAB. TANJUNG JABUNG	330,640 605,760	10,200	32.4/59.4	KUALA TUNGKAL Food, Fishery	1/1	4/22	20	1,243 2,610	x		*		
05	KAB. BUNGO TEBO	304,244 551,213	13,500	22.5/40.8	MUARA BUNGO Rubber	1/1	4/9	0	1,109 2,392	x		o		
71(03)	KODYA JAMBI (A)	260,125 424,893	135	-	JAMBI Industry	1/1	23/39	2,918	-	-	-	o	o	
					SEKAYU MUARA TEBO	1/1 0/1	1/9 0/5							

表AN2-6-4 (8/32)

## 各県の電話アクセスピリテ

Code No.	Kabupaten/ Kodya	Demographic Data		Satellite Communications		Telephone Subscribers		Indices						
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	Industry	SCPC 1984/1989	SCPC 1984/1989	SCPC 1984/1989	FDMA-TDMA 1984/1989	Existing Subscribers 1983	Access Demand 1984/2000	I	II	III
1600	PROP. SUNATERA SELATAN	5,277,565 8,439,900	101,591	51.9/83.1				8,764	23,307 62,118					
01	KAB. OGAN KONERING ULU	876,191 1,468,543	13,169	66.5/111.5	BATURAJA Rice Crop	0/2	0/10	563	5,239 16,068	85	0		*	
02	KAB. OGAN KONERING ILIR	635,235 979,028	25,775	24.6/38.0	KAYU ACUNG	0/0	-	168	2,602 9,081	65	x		*	
03	KAB. LEMATANG ILIR OGAN TENGAH	478,164 683,632	9,899	48.3/69.1	LAHAT Coffee	0/0	-	345	2,451 5,539	86	x		o	
04	KAB. LAHAT	549,638 860,870	4,798	114.6/179.4	Vegetable	0/1	0/5	958	2,808 7,233	86	o		o	
05	KAB. MUSIRAWAS	425,648 717,392	13,117	32.5/54.7	LUBUK LINGGAU Coffee, Veg.	0/1	0/5	615	2,192 5,772	80	x		*	
06	KAB. MUSI BANYU ASIN	675,177 1,139,387	16,120	41.9/70.7		0/0	-	3	3,804 11,128	165	x		*	
07	KAB. BANGKA	454,285 708,952	10,470	43.4/67.7	BELITUNG Industry	1/2	65/70	0	0/30 Only for PLM	150	x		o	Island
08	KAB. BELITUNG	183,117 295,397	7,369	23.2/37.1		1/1	4/9	125	883 1,831	70	x		o	Island
71(06)	KODYA PALEMBANG (A)	897,214 1,426,343	263	-	PALEMBANG	1/1	52/131	5,178	-	-	o		o	
72(07)	KODYA PANGKAL PINANG (B)	100,755 160,358	11	-		0/0	-	809	-	-	x		o	

表AN2-6-4 (9/32)

各県の電話アクセスピリテイ

Code No.	Kabupaten/ Kodya	Demographic Data		Satellite Communications				Telephone Subscribers		Indices		
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	SCPC 1984/1989	No. of St. No. of Modems No. of Cct. 1984/1989	SCPC 1984/1989	FDMA/TDMA 1984/1989	Existing Subscribers 1983	Access Demand 1984/2000	I	II Access to Geographical PTC/IRK
1700	PROP. BENGKULU	905,161 1,628,200	10,225	88.5/159.2				1,521	2,804 5,620			
01	KAB. BENGKULU SELATAN	279,563 488,480	3,372	82.9/144.9	2/2	6/18		57	947 1,848		x	o
02	KAB. REJANG LEBONG	342,384 612,203	2,659	128.8/230.2	0/1	0/5		505	1,131 2,329		x	o
03	KAB. BENGKULU UTARA	207,110 380,999	4,004	51.7/95.2	1/1	3/9		0	726 1,443		x	o
71(03)	KODYA BENGKULU (A)	76,096 146,538	190	-	1/1	46/53		959	-		x	o
1800	PROP. LAMPUNG	5,720,948 12,533,400	34,857	164.1/359.6				5,702	17,782 44,362			
01	KAB. LAMPUNG SELATAN	2,167,178 4,687,492	6,621	327.3/708.0	0/2	0/10	B. LAMPUNG Agriculture	815	7,077 17,649	107	o	*
02	KAB. LAMPUNG TENGAH	2,148,172 4,812,826	8,913	241.0/540.0	0/0	-	METRO Agriculture	538	7,205 18,543	80	o	*
03	KAB. LAMPUNG UTARA	1,055,726 2,306,146	19,271	54.8/119.7	1/2	1/14	KOTABUNI Agriculture	368	3,500 8,170	145	x	*
71(01)	KODYA TANJUNG KARANG (A)	349,511 726,937	52	-	1/1	29/25		3,981	-		o	o
							PRING SEWU BANDAR JAYA WAY JEPARA				0/5 0/5 0/5	

表AN2-6-4 (10/32) 各県の電話アクセスサービス

Code No.	Kabupaten/ Kodya	Demographic Data		Satellite Communications		Telephone Subscribers		Indices				
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	SCPC 1984/1989	SCPC 1984/1989	SCPC 1984/1989	Existing Subscribers 1983	Access Demand 1984/2000	I	II	III
3100	DKI. JAKARTA	7,591,157 12,795,400	658	-	1/11)	257/429	845/ 2,550	162,635	-	-	-	-
71	JAKARTA SELATAN	1,771,824 2,635,852	147	-				35,080	-	-	0	0
72	JAKARTA TIMUR	1,851,456 3,825,825	185	-				21,859	-	-	0	0
73	JAKARTA PUSAT	1,414,010 2,200,809	56	-				69,482	-	-	0	0
74	JAKARTA BARAT	1,502,549 2,814,988	131	-				14,649	-	-	0	0
75	JAKARTA UTARA	1,047,862 1,317,926	139	-				21,565	-	-	0	0

1): JAKARTA/GAMBIR  
JAKARTA 1  
JAKARTA 2

表AN2-6-4 (11/32) 各県の電話アクセスサービス

Code No.	Kabupaten/ Kodya	Demographic Data		Satellite Communications			Telephone Subscribers			Indices		
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	SCPC 1984/1989	SCPC 1984/1989	No. of Modems FDMA/FDMA 1984/1989	Existing Subscribers 1983	Access Demand 1984/2000	I	II	III
3200	PROP. JAWA BARAT	20,234,818 40,946,800					45,122	120,491 361,764				
01	KAB. PANDEGLANG	781,885 1,064,617	2,618	298.7/406.7	0/0		388	2,961 7,367	63	0	0	
02	KAB. LEBAK	755,109 1,023,670	3,134	240.9/326.6	0/0		603	2,864 7,018	63	0	0	*
03	KAB. BOGOR	2,750,407 3,971,840	3,126	879.8/ 1,270.6	1/1	771/77	492	13,876 51,315	38	0	0	*
04	KAB. SUKABUMI	1,688,780 2,293,021	4,281	394.5/535.6	0/1	0/5	2,217	7,530 22,355	75	0	0	*
05	KAB. CIANJUR	1,539,219 2,047,340	3,583	429.6/571.4	0/0		1,083	6,654 18,848	78	0	0	0
06	KAB. BANDUNG	2,934,153 4,094,680	3,381	867.8/ 1,211.1	1/1	22/2	1,110	15,150 53,813	37	0	0	*
07	KAB. GARUT	1,656,951 2,252,074	2,976	556.8/756.7	0/1	0/5	1,135	7,243 21,617	50	0	0	*
08	KAB. TASIK MALAYA	1,777,987 2,415,861	3,210	553.9/752.6	0/0		207	7,938 24,065	50	0	0	*
09	KAB. CIAMIS	1,486,404 1,863,553	2,673	556.1/704.7	0/0		3,305	6,257 16,587	55	x	x	*
10	KAB. KUNINGAN	874,662 1,146,510	1,085	806.1/ 1,056.7	0/0		261	3,230 7,998	32	0	0	*
11	KAB. CIREBON	1,454,370 1,924,500	1,109	1,311.4/ 1,735.3	0/0		224	5,897 16,845	30	0	0	*
12	KAB. MAJALENGKA	971,736 1,269,351	1,035	938.9/ 1,226.4	0/0		273	3,616 9,221	25	0	0	*

表AN2-6-4 (12/32)

## 各県の電話アクセスピリタイ

Code No.	Kabupaten/ Kodya	Demographic Data		Satellite Communications		Telephone Subscribers		Indices				
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	GROWTH POLE Industry	No. of St. No. of Modems SCPC 1984/1989	SCPC FDMA+TDMA 1984/1989	No. of Cct. Existing Subscribers 1983	Access Demand 1984/2000	I	II	III
13	KAB. SUNEDANG	788,264 1,023,670	1,531	514.9/668.6		0/0		344	2,897 6,892	25	0	*
14	KAB. INDRAMAYU	1,336,781 1,760,712	2,117	631.5/831.7		0/0		521	5,437 14,952	25	0	*
15	KAB. SUBANG	1,177,995 1,555,978	1,959	601.3/794.3	CIKAMPEK Agriculture	0/0			4,681 12,492	32	x	0
16	KAB. PURWAKARTA	512,065 696,096	997	513.6/698.2		0/0		809	1,784 4,070	19	x	0
17	KAB. KARAWANG	1,360,862 1,801,659	1,716	793.0/ 1,049.9		0/0		1,706	5,539 15,402	34	x	0
18	KAB. BEKASI	1,243,571 1,719,766	1,498	803.2/ 1,148.0		0/0			4,917 14,366	23	x	*
19	KAB. TANGERANG	1,691,312 2,374,914	1,379	1,226.5/ 1,722.2		0/0			7,202 23,108	20	x	0
20	KAB. SERANG	1,211,845 1,637,872	1,851	654.7/884.9		0/0		1,347	4,818 13,433	30	0	0
71(03)	KODYA BOGOR (A)	272,185 368,521	22	-		0/0		6,328	-		0	0
72(04)	KODYA SUKABUMI (B)	120,979 163,787	14	-	SUKABUMI	0/0			-		0	0
73(06)	KODYA BANDUNG (C)	1,604,116 2,129,234	86	-	BANDUNG	1/1	31/78	18,464	-		0	0
74(11)	KODYA CIREBON (D)	242,785 327,574	44	-	CIREBON	0/0		4,305	-		0	0

1): Excluding TEST CIBINONG

2): BANDUNG Training Center

表AN2-6-4 (13/32) 各県の電話アクセスピリテイ

Code No.	Kabupaten/ Kodya	Demographic Data		Satellite Communications			Telephone Subscribers		Indices		
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	SCSC 1984/1989	No. of St. No. of Modems No. of Cct. Existing SCSC FDMA-TDMA 1984/1989 1984/1989	SCSC 1984/1989	Existing Subscribers 1983	Access Demand 1984/2000	I	II
3300	PROP. JAWA TENGAH	26,780,706 31,750,900						38,093	72,353 164,906		
01	KAB. CILACAP	<u>1,416,969</u> 1,746,300	2,338	606.1/746.9	1/1	3/29	1,001	<u>4,452</u> 11,959	68	0	*
02	KAB. BANYUMAS	<u>1,287,069</u> 1,492,292	1,310	982.5/ 1,139.2	0/0	-	1,635	<u>3,873</u> 9,485	25	0	*
03	KAB. PURBALINGGA	<u>697,654</u> 793,773	765	912.0/ 1,037.6	0/0	-	283	<u>1,965</u> 4,949	15	0	*
04	KAB. BANJAR NEGARA	<u>699,862</u> 825,523	1,134	617.2/728.0	0/0	-	583	<u>2,009</u> 4,305	30	0	*
05	KAB. KEBUNEN	<u>1,074,858</u> 1,206,534	1,368	785.7/882.0	0/0	-	691	<u>3,183</u> 7,105	23	0	*
06	KAB. PURWOREJO	<u>725,643</u> 825,523	1,114	651.4/741.0	0/0	-	524	<u>2,084</u> 4,302	18	0	*
07	KAB. WONOSOBO	<u>640,756</u> 762,022	963	665.4/791.3	0/0	-		<u>1,830</u> 3,871	22	0	*
08	KAB. MAGELANG	<u>990,043</u> 1,143,032	1,142	866.9/ 1,000.9	0/0	-	187	<u>2,898</u> 6,579	23	0	0
09	KAB. BOYOLALI	<u>829,156</u> 952,527	1,103	751.7/863.6	0/0	-	120	<u>2,398</u> 5,171	40	x	*
10	KAB. KLATEN	<u>1,124,912</u> 1,301,787	697	1,613.9/ 1,867.7	0/0	-	859	<u>3,243</u> 7,748	16	0	*
11	KAB. SUKOHARJO	<u>640,072</u> 762,022	486	1,317.0/ 1,567.9	0/0	-	98	<u>1,270</u> 3,800	26	0	*
12	KAB. WONGIWI	<u>968,711</u> 1,047,780	1,918	505.1/546.3	0/0	-	183	<u>2,896</u> 5,946	37	0	*

表 AN2-6-4 (14/32) 各県の電話アクセスピリテイ

Code No.	Kabupaten/ Kodya	Demographic Data			Satellite Communications			Telephone Subscribers			Indices			
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	SCPC 1984/1989	SCPC 1984/1989	No. of Modems 1984/1989	SCPC 1984/1989	FDMA-TDMA 1984/1989	Existing Subscribers 1983	Access Demand 1984/2000	I	II	III
13	KAB. KARANG ANYAR	641,819 762,022	1,492	430.2/510.7	0/0	-	-	-	217	1,875 3,922	38	0	0	x
14	KAB. SRAGEN	802,845 984,278	1,001	802.0/983.3	0/0	-	-	-	213	2,307 5,384	20	x	0	x
15	KAB. GROBOGAN	1,070,779 1,301,787	2,013	531.9/646.7	0/0	-	-	-	373	3,245 7,951	32	0	0	*
16	KAB. BLORA	746,899 857,274	2,624	284.6/326.7	0/0	-	KADUS Tobacco	-	813	2,264 4,636	30	0	0	0
17	KAB. KEMBANG	479,035 571,516	1,035	462.8/552.2	0/0	-	Mining	-	356	1,383 2,722	36	0	0	0
18	KAB. PATI	1,041,470 1,238,285	1,712	608.3/723.3	0/0	-	Home Industry	-	682	2,128 7,402	32	0	0	0
19	KAB. KUDUS	563,143 698,520	406	1,387.1/ 1,720.5	0/0	-	-	-	941	1,539 3,389	13	0	0	*
20	KAB. JEPARA	747,672 889,025	1,036	721.7/858.1	0/1	0/5	-	-	276	2,152 4,731	22	0	0	0
21	KAB. DEMAK	720,649 857,274	1,062	678.6/807.2	0/0	-	-	-	217	2,075 4,509	19	x	0	*
22	KAB. SEMARANG	727,504 823,523	1,008	721.7/819.0	0/0	-	-	-	333	2,074 4,290	20	0	0	*
23	KAB. TEMANGGUN	588,782 730,271	833	706.8/876.7	0/0	-	-	-	454	1,668 3,652	20	0	0	x
24	KAB. KENDAL	748,085 857,274	881	849.1/973.1	0/0	-	-	-	620	2,133 4,485	30	x	0	*
25	KAB. BATANG	561,897 666,769	752	747.2/886.7	0/0	-	Industry	-	147	1,584 3,252	32	0	0	x



表AN2-6-4 (15/32)

## 各県の電話アクセスピリテ

Code No.	Kabupaten/ Kodya	Demographic Data			Satellite Communications			Telephone Subscribers		Indices			
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	GROWTH POLE Industry	No. of St. No. of Modems SCPC 1984/1989	SCPC 1984/1989	FDMA+TDMA Subscribers 1984/1989	Existing Subscribers 1983	Access Demand 1984/2000	I	II	III
3326	KAB. PEKALONGAN	694,604 857,274	874	794.7/980.9	0/0	-	-	1,976 4,485	32	0	0	x	
27	KAB. PENALANG	992,316 1,174,783	1,047	947.8/ 1,122.0	0/0	-	-	2,886 6,815	33	0	0	*	
28	KAB. TENGAL	1,153,467 1,397,040	861	1,397.7/ 1,622.6	0/0	-	-	3,361 8,577	33	0	0	*	
29	KAB. BREBES	1,338,070 1,587,545	1,677	797.9/946.7	0/0	-	-	4,102 10,394	41	x	0	0	
71(08)	KODYA MAGELANG (A)	133,183 158,755	17	-	0/0	-	-	-	-	0	0	0	
72(11)	KODYA SURAKARTA (B)	484,803 571,516	79	-	0/0	-	SURAKARTA	5,161	-	0	0	0	
73(22)	KODYA SALATIGA (C)	82,298 95,253	19	-	0/0	-	-	719	-	0	0	0	
74(22)	KODYA SENARANG (D)	1,095,119 1,492,292	354	-	1/1	9/89	SENARANG	15,904	48/318	-	0	0	
75(26)	KODYA PEKALONGAN (E)	135,085 158,755	26	-	0/0	-	PEKALONGAN	2,224	-	-	0	0	
76(28)	KODYA TENGAL (F)	134,915 158,755	13	-	0/0	-	-	2,275	-	-	0	0	

表AN2-6-4 (16/32) 各県の電話アクセスビリティ

Code No.	Kabupaten/ Kodya	Demographic Data			Satellite Communications			Telephone Subscribers		Indices			
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	GROWTH POLE Industry	SCPC 1984/1989	SCPC 1984/1989	FDNA+TDNA 1984/1989	Existing Subscribers 1983	Access Demand 1984/2000	I	II	III
3400	D.I. YOGYAKARTA	2,940,318 3,787,500	8,020	366.6/472.3					7477 16,165				
01	KAB. KULON PROGO	401,283 492,375	544	737.7/905.1	0/0	-			1,150 2,143	20	x	o	o
02	KAB. BANTUL	583,708 897,638	476	1,436.4/ 1,885.8	0/0	-			1,944 4,445	17	x	o	o
03	KAB. GUNUNG KIDUL	700,827 871,125	6,437	108.9/135.3	0/0	-			2,298 4,558	28	x	o	o
04	KAB. SIEMAN	728,163 969,600	530	1,373.9/ 1,829.4	0/0	-			2,085 4,921	22	o	o	o
71(04)	KODYA YOGYAKARTA (A)	426,316 556,763	33	-	1/1	3/107	60/240	3,812	-		o	o	o

表AN2-6-4 (17/32) 各県の電話アクセスピリテ

Code No.	Kabupaten/ Kodya	Demographic Data			Satellite Communications			Telephone Subscribers			Indices		
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	CROWTH POLE Industry	No. of St. No. of Modems SCPC 1984/1989	No. of Oct. Existing FDMA/TDMA Subscribers 1984/1989	SCPC 1984/1989	Existing Subscribers 1983	Access Demand 1984/2000	I	II	III
3500	PROP. JAWA TIMUR	30,850,905 37,127,100						75,924	104,523 278,450				
01	KAB. PACITAN	495,921 519,779	1,376	360.4/377.7		0/1	0/5	167	1,719 3,172	28	x	*	
02	KAB. PONOROGO	807,231 853,923	1,454	555.2/587.3	Mining	0/0	-	548	2,919 6,164	23	o	o	
03	KAB. TRENGGALEK	588,256 705,415	1,099	535.3/641.9	Agriculture	0/0	-	146	2,042 4,720	37	x	o	
04	KAB. TULUNG AGUNG	867,189 1,002,432	1,086	798.5/923.0	Plantation	0/0	-	904	3,134 7,662	24	o	*	
05	KAB. BLITAR	1,083,069 1,262,321	1,596	678.6/790.9		0/0	-	222	4,122 10,731	22	o	*	
06	KAB. KEDIRI	1,297,705 1,559,338	1,400	926.9/ 1,113.8		0/0	-	3,116	5,094 14,613	32	o	o	
07	KAB. MALANG	2,184,790 2,673,151	3,137	696.5/852.1	Food Process	0/0	-	1,575	10,114 33,478	46	o	o	
08	KAB. LUNAJANG	925,284 1,113,813	1,283	721.1/868.1	Commerce	0/0	-	1,047	3,413 8,927	35	o	o	
09	KAB. JEMBER	1,977,199 2,301,880	2,876	687.5/800.4	JEMBER Plantation	0/0	-	2,399	8,828 26,555	39	o	*	
10	KAB. BANYUWANGI	1,509,698 1,819,228	2,613	577.8/696.2	BANYUWANGI Commerce	0/0	-	1,785	6,298 18,575	53	o	*	
11	KAB. BONDOWOSO	647,699 742,542	1,109	584.0/669.6		0/0	-	836	2,274 5,057	30	o	*	
12	KAB. SITUBONDO	555,242 631,161	1,573	353.0/401.2		0/0	-	6,250	1,956 4,099	36	x	o	

表AN2-6-4 (18/32) 各県の電話アクセスビリティ

Code No.	Kabupaten/ Kodya	Demographic Data		Satellite Communications			Telephone Subscribers		Indices			
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	SCPC 1984/1989	SCPC 1984/1989	No. of St. No. of Modems FDMA/TDMA 1984/1989	Existing Subscribers 1983	Access Demand 1984/2000	I	II	III
										Geo- Graphical	Access to PTC/TKK	Road Condition
13	KAB. PROBOLINGGO	923,543 1,076,666	1,625	568.3/662.6	0/0	-		3,446 8,544	35	0	*	
14	KAB. PASURUAN	1,107,266 1,373,703	1,332	831.3/ 1,031.3	0/0	-	Industry	1,042	30	0	*	
15	KAB. SIDOARJO	920,966 1,188,067	634	1,452.6/ 1,873.9	0/0	-	Commerce	129	16	x	*	
16	KAB. MOJOKERTO	741,489 928,178	766	968.0/ 1,211.7	0/0	-	Services	152	30	0	*	
17	KAB. JOMBANG	988,903 1,225,194	946	1,045.3/ 1,295.1	0/0	-		969	22	x	*	
18	KAB. NGANJUK	927,037 1,113,813	1,179	786.3/944.7	0/0	-		499	20	x	*	
19	KAB. MADIUN	678,383 779,669	1,067	635.8/730.7	0/0	-		2,387 5,402	18	0	*	
20	KAB. MAGETAN	622,223 742,542	799	778.7/929.3	0/0	-		269	13	x	*	
21	KAB. NGAWI	804,305 965,305	1,391	578.2/694.0	0/0	-		233	29	x	*	
22	KAB. BOJONEGORO	1,075,049 1,299,449	2,259	475.9/575.2	0/0	-	TUBAN Agriculture	726	43	0	0	
23	KAB. TUBAN	924,729 1,113,813	1,926	480.1/578.3	0/0	-	Commerce	392	47	0	0	
24	KAB. LANGCAN	1,110,454 1,336,576	1,797	617.9/743.8	0/0	-		333	30	0	0	
25	KAB. GRESIK (SUSABAY)	746,352 779,669	1,257	598.3/620.3	0/0	-		2,654 5,421	45	0	0	

表AN2-6-4 (19/32) 各県の電話アクセスビリティ

Code No.	Kabupaten/ Kodya	Demographic Data			Satellite Communications			Telephone Subscribers			Indices		
		Population 1984/2000 (km <sup>2</sup> )	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	Industry	SCPC 1984/1989	No. of St. No. of Modems No. of Cct. Existing	SCPC 1984/1989	FDMA/TDMA 1984/1989	Subscribers 1983	Access Demand 1984/2000	I	II Access to Road Geo- graphical PIC/IRK Condition
3526	KAB. BANGKALAN	713,132 816,796	1,260	566.0/648.3		0/0	-	-	501	2,529 5,775	35	0	*
27	KAB. SANPAN	621,346 742,542	1,234	503.5/601.7	SUMENEP Animal Hus.	0/0	-	-	164	2,171 5,069	38	x	*
28	KAB. PANERASAN	558,173 705,415	775	720.2/910.2	Fishery, Salt	0/0	-	-	961	1,899 4,683	31	0	0
29	KAB. SUNENEP	896,455 1,002,432	2,397	374.0/418.2		0/0	-	-	372	3,376 7,790	84	x	*
71(06)	KODYA KEDIRI (A)	219,537 297,017	60	-	KEDIRI		-	-	1,493	-	-	0	0
72(05)	KODYA BLITAR (B)	90,552 111,381	17	-			-	-	952	-	-	0	0
73(07)	KODYA MALANG (C)	552,407 705,415	78	-			-	-	6,572	-	-	0	0
74(13)	KODYA PROBOLINGGO (D)	95,099 148,508	61	-			-	-	963	-	-	0	0
75(14)	KODYA PASURUAN (E)	118,632 111,381	15	-			-	-	-	-	-	0	0
76(16)	KODYA MOJOKERTO (F)	63,772 74,254	9	-			-	-	1,615	-	-	0	0
77(19)	KODYA MADIUN (G)	155,219 185,636	25	-			-	-	1,957	-	-	0	0
78(25)	KODYA SURABAYA (H)	2,254,342 3,118,676	384	-		1 <sup>1</sup> /1	120/216	408/1,530	36,635	-	-	0	0

KANGEAN 0/5

1) SURABAYA 1 + SURABAYA 2

表AN2-6-4 (20/32) 各県の電話アクセスピリテ

Code No.	Kubupaten/ Kodya	Demographic Data			Satellite Communications			Telephone Subscribers		Indices						
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	No. of Sr. No. of Modems SCPC 1984/1989	No. of Modems SCPC 1984/1989	No. of Ccc. Existing Subscribers 1983	Access Demand 1984/2000	I	II	III	Access to Road Condition				
												Industry	SCPC 1984/1989	SCPC 1984/1989	graphical PTC/IKK	Condition
5100	PROPINSI BALI	2,619,668 3,303,300	4,829	542.5/684.1			6,681	9,467 20,701								
01	KAB. JEMBRANA	221,605 293,994	572	387.4/514.0	JENBRANA Tourism	0/0	-	235	798 1,614	29	x					
02	KAB. TABARAN	359,832 432,732	796	452.1/543.6	TABARAN Fishery	0/0	-	344	1,294 2,613	29	x					
03	KAB. BADUNG	547,061 736,636	384	1,424.6/ 1,918.3	BADUNG Craft	1/1	12/149	4,720	1,977 5,213	26	o					
04	KAB. GIANJAR	322,712 396,396	417	773.9/950.6	GIANJAR	0/0	-	39	1,131 2,304	13	x					
05	KAB. KLUNGKUNG	155,196 178,378	315	492.7/566.3	KLUNGKUNG Agriculture	0/0	-	189	560 908	29	x					
06	KAB. BANGLI	168,388 204,805	453	371.7/452.1	BANGLI Tourism	0/1	0/5	90	612 1,065	32	x					
07	KAB. KARANG ASEM	320,199 376,376	809	395.8/465.5	KARANG ASEM Craft	0/0	-		1,145 2,196	30	x					
08	KAB. BULELENG	524,533 683,783	971	540.2/704.2	Fishery Tourism	0/0	-	1,064	1,950 4,788	40	x					
5200	PROPINSI NUSA TENGGARA BARAT	2,998,066 4,074,100	20,160	147.8/202.1				4,845	7,753 14,480							
01	KAB. LONBOK BARAT	724,625 1,002,229	1,641	441.6/610.7	MATARAM Industry (Transmigra- tion)	0/0	-	2,727	1,785 3,354	28	o					
02	KAB. LONBOK TENGAH	633,054 831,487	1,428	44.2/596.3	Mining	0/1	0/5	182	1,556 2,939	11	x					

表AN2-6-4 (21/32) 各県の電話アクセスピリティ

Code No.	Kabupaten/ Kodya	Demographic Data			Satellite Communications				Telephone Subscribers			Indices		
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	SCPC 1984/1989	SCPC 1984/1989	SCPC 1984/1989	FDMA+FDMA 1984/1989	Existing Subscribers 1983	Access Demand 1984/2000	I	II	III	
03	KAB. LONBOK TIMUR	<u>795,235</u> 1,071,488	1,607	494.9/666.8	0/1	0/5		222	<u>1,946</u> 3,834	18	x	o		
04	KAB. SUNBAWA	<u>335,614</u> 464,447	8,492	39.5/54.7	0/1	0/5	SUNBAWA Agriculture Fishery Animal Hus.	837	<u>996</u> 1,706	43	o	o		
05	KAB. DONPU	<u>107,428</u> 150,742	2,324	46.2/64.9	0/0	-	RABA Fishery Animal Hus.	239	<u>354</u> 553	44	o	o		
06	KAB. BIMA	<u>402,100</u> 533,707	4,598	87.5/116.1	0/0	-	Plantation	638	<u>1,116</u> 1,894	17	x	o		

表AN2-6-4 (22/32) 各県の電話アクセスレポート

Code No.	Kabupaten/ Kodya	Demographic Data			Satellite Communications			Telephone Subscribers			Indices		
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	SCPC 1984/1989	No. of St. No. of Modems 1984/1989	SCPC 1984/1989	Existing Subscribers 1983	Access Demand 1984/2000	I	II	III	
										Geo- graphical	Access to PTC/IKK	Road Condition	
5300	PROVINSI NUSA TENGGARA TIMUR	2,986,810 4,145,700	47,142	63.4/97.9			2,119		8,532 14,150				
01	KAB. SUMBAWA BARAT	256,142 384,822	4,153	61.7/87.8	1/1	3/9		42	733 1,232	x	*		
02	KAB. SUMBAWA BARAT	131,922 178,265	5,816	22.7/30.7	1/1	2/2		55	432 653	x	*		
03	KAB. KUPANG	441,625 634,292	7,314	60.4/86.7	1/2	70/75	1,382	90	1,233 2,216	x	*		
04	KAB. TIMOR TENGAH SELATAN	316,496 443,590	4,017	78.8/110.4	0/1	0/5	67	45	877 1,489	x	o		
05	KAB. TIMOR TENGAH UTARA	146,347 198,994	2,750	53.2/72.4	0/1	0/5	66	35	448 689	x	o		
06	KAB. BELU	197,221 273,616	2,516	78.4/108.8	1/1	3/9		50	568 914	x	o		
07	KAB. ALOR	132,390 181,682	2,985	44.4/54.2	1/1	1/9	78	48	416 577	x			
08	KAB. FLORES TIMUR	280,846 381,404	3,080	91.2/123.8	1/1	3/9		75	776 1,265	x			
09	KAB. SIRKA	236,699 319,219	1,770	133.7/180.3	1/1	2/9	265	60	647 1,036	x	*		
10	KAB. ENDEH	216,030 281,908	2,177	99.2/129.5	1/1	3/25		38	606 931	x	*		
11	KAB. NGADA	188,198 265,325	3,087	61.0/85.9	0/1	0/5		40	555 900	x	*		
12	KAB. MANGGARAI	442,761 642,584	7,451	59.4/86.2	0/0	-	261	85	1,241 2,348	x	*		



表AN2-6-4 (23/32) 各県の電話アクセスピッチ

Code No.	Kabupaten/ Kodya	Demographic Data		Satellite Communications		Telephone Subscribers		Indices						
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	GRGTH POLE Industry	No. of St. No. of Modems No. of Oct. Existing	SCPC 1984/1989	SCPC 1984/1989	FDMA-TDMA 1984/1989	Subscribers 1983	Access 1984/2000	I	II	III
5400	PROVINSI TIMOR TIMUR	613,683	15,708	39.1/55.2						1,323 1,938				
01	KAB. COVALINA	30,200 43,315	1,385	21.8/41.3		0/1	0/5			81 113	33	x		*
02	KAB. ATNARO	49,046 69,304	1,197	41.0/57.9		0/1	0/5			113 156	35	x		*
03	KAB. SANE (MANUFAHI)	30,465 43,315	1,133	26.9/38.2		0/1	0/5			81 111	30	x		o
04	KAB. VIQUE QUE	61,166 86,630	1,850	33.1/46.8		0/1	0/5			136 191	48	x		o
05	KAB. LAUTEM	42,785 60,641	1,975	21.7/30.7		0/1	0/5			105 147	37	x		o
06	KAB. BAUCAU	80,352 112,619	1,423	56.5/79.1		0/1	0/5			162 227	33	x		o
07	KAB. MANA TUTU	25,021 34,652	1,994	12.5/17.4		0/1	0/5	0/150		73 99	43	x		o
08	KAB. DILI	73,730 103,956	476	154.9/218.4		1/1	5/41			140 196	20	x		o
09	KAB. AILEU	18,067 25,989	755	23.9/34.4		0/1	0/5			56 77	38	x		o
10	KAB. LIKUICA	31,025 43,315	607	51.1/71.4		0/1	0/5			79 107	16	x		o
11	KAB. ERMEBA	61,489 86,630	671	91.6/129.1		0/1	0/5			126 177	23	x		o
12	KAB. BOSONARO	67,701 95,293	1,568	43.2/60.8		0/1	0/5			144 201	26	x		*
13	KAB. AMBENO	42,561 60,641	674	63.1/90.0		0/1	0/5			97 136	42	x		*

表AN2-6-4 (24/32) 各県の電話アクセスビリティ

Code No.	Kabupaten/ Kodya	Demographic Data			Satellite Communications			Telephone Subscribers			Indices		
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	SCPC 1984/1989	SCPC 1984/1989	No. of Modems No. of Cct. FDMA+TDMA 1984/1989	Existing Subscribers 1983	Access Demand 1984/2000	I	II	III	
										Geo- graphical	Access to PTC/TKK	Road Condition	
6100	PROP. KALIMPANTAN BARAT	2,763,370 4,016,200	149,178	18.5/26.9				2,750	10,487 22,592				
01	KAB. SAMBRAS	666,850 943,807	15,253	43.7/61.9	2/3	6/24	495	2861 6,558	100	*	o		
02	KAB. PONTIANAK	668,126 979,953	24,277	27.5/40.4	0/1	0/5	157	2,948 7,013	110	*	*		
03	KAB. SANGAU	359,307 510,057	27,053	13.3/18.9	1/2	2/14	10	1,547 3,081	80	x	o		
04	KAB. KETAPANG	281,919 413,669	28,836	9.8/14.3	3/3	9/21	86	1,219 2,412	140	x	o		
05	KAB. SINTANG	292,872 417,685	31,648	9.3/13.2	1/2	2/29	64	1,274 2,450	135	x	*		
06	KAB. KAPUAS HULU	143,555 200,810	21,990	6.5/9.1	1/1	3/9	9	638 1,078	130	x	*		
71(02)	KODYA PONTIANAK (A)	350,672 550,219	121	-	1/1	56/100	84/294	1,929	-	-	*	o	
						0/5							
						0/5							

表AN2-6-4 (25/32) 各県の電話アクセスビリティ

Code No.	Kabupaten/ Kodya	Demographic Data			Satellite Communications			Telephone Subscribers			Indices		
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	SCPC 1984/1989	SCPC 1984/1989	No. of Cct. of Modems FDMA/TDMA 1984/1989	Existing Subscribers 1983	Access Demand 1984/2000	I	II	III	
		1984/2000	(km <sup>2</sup> )	1984/2000	Industry	1984/1989	1984/1989	SAMPIT 0/90	1983	1984/2000	Graphical	Access to Road	Condition
6200	PROP. KALINANTAN TENGAH	1,106,820 1,875,200	159,850	6.9/11.7				1,624	5,272 10,251				
01	KAB. KOTAWARINGIN BARAT	108,703 185,645	21,000	5.2/8.8	PANGKALABUUN	1/1	2/22		554 1,070	135	x	x	
02	KAB. KOTAWARINGIN TIMUR	205,380 309,408	32,950	6.2/9.4		1/2	4/36	SAMPIT 0/90	1,039 1,919	230	x	x	
03	KAB. KATINGAN	78,178 138,765	17,800	4.4/7.8	SAMPIT	0/1	0/5		413 789	165	x	x	
04	KAB. KAPUAS	294,588 487,552	27,400	10.8/17.8		0/1	0/5		1,491 3,281	182	*	x	
05	KAB. BARITO SELATAN	81,529 142,515	8,380	9.2/16.1	BUNTAK	1/1	2/22		1,000	70	x	*	
06	KAB. BARITO TIMUR	60,575 106,886	4,070	14.9/26.3		0/1	0/5		314 575	35	x	o	
07	KAB. BARITO UTARA	75,841 138,765	8,300	9.1/16.7		1/1	3/9		98	53	x	o	
08	KAB. KARAYAN HULU/G. MAS	64,353 106,886	13,400	4.8/8.0		1/1	3/9		346 603	70	x	*	
09	KAB. MURUNG RAYA	57,164 78,758	23,700	2.4/3.3		0/0	-		319 468	75	x	x	
71(-)	KODYA PALANGKA RAYA (A)	80,253 180,019	2,400	-	PALANGKA RAYA	1/1	44/39		-	-	-	x	

表AN2-6-4 (26/32) 各県の電話アクセスビリティ

Code No.	Kabupaten/ Kodya	Demographic Data		Satellite Communications			Telephone Subscribers		Indices		
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	SCPC 1984/1989	No. of St. No. of Modems SCPC FDMA-TDMA 1984/1989 1984/1989	Existing Subscribers 1983	Access Demand 1984/2000	I	II	III
6300	KALIMANTAN SELATAN	2,255,885 3,143,100	265,173	8.5/11.9			3,991	8,113 16,020			
01	KAB. TANAH LAUT	147,618 260,877	2,149	68.7/121.4	0/1	0/5	37	587 1,339	45	x	o
02	KAB. KOTA BARU	325,995 452,606	12,845	25.4/35.2	1/2	4/9	77	1,439 2,715	104	x	*
03	KAB. BANJAR	221,902 298,595	5,972	37.2/50.0	0/0	0/5	432	828 1,617	37	*	*
04	KAB. BARITO KUALA	134,494 188,586	3,284	41.0/57.4	0/0	-		526 961	55	x	
05	KAB. TAPIN	169,256 232,589			0/0	-		910 1,493	28	x	o
06	KAB. HULU SEI SELATAN	206,121 254,591	1,703	121.0/149.5	0/0	-	203	783 1,293	25	*	o
07	KAB. HULU SEI TANGAH	247,287 326,882	1,373	180.1/238.1	0/0	-	186	929 1,702	10	x	*
08	KAB. HULU SEIUTARA	152,370 172,871	2,770	55.0/62.4	0/0	-	102	568 873	40	x	*
09	KAB. TABALONG	339,514 641,192	4,246	80.0/151.0	0/0	-		1,543 4,027	40	*	o
71(-)	KODYA BANJAR MASIN (A)	244,780 314,310	73	-	1/1	52/123	2,954	-	-	o	o

表AN2-6-4 (27/32) 各県の電話アクセスピリテ

Code No.	Kabupaten/ Kodya	Demographic Data		Satellite Communications			Telephone Subscribers		Indices			
		Population Area 1984/2000 (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	Industry	SCPC 1984/1989	SCPC 1984/1989	SCPC 1984/1989	Existing Subscribers 1983	Access Demand 1984/2000	I	II	III
6400	KALIMANTAN TIMUR	1,476,748 2,918,600	206,443 7.2/14.1				4,509	7,223 18,828				
01	KAB. PASIR	97,685 183,872	20,040 4.9/9.2	Oil, Coal Fishery	0/0	-		694 1,525	118	*	o	
02	KAB. KUTAI	435,469 796,778	81,027 5.4/9.8	Agriculture Chemical	0/0	-		4,405 12,140	320	x	x	
03	KAB. BERAU	53,652 99,232	32,700 1.6/3.0	BERAU Agriculture	1/1	2/10		394 768	170	x	x	
04	KAB. BULONGAN	211,837 399,848	84,000 3.3/6.2	Pulp	3/3	37/62		1,730 4,395	290	x	x	
71(-)	KODYA BALIK PAPAN (A)	344,500 720,894	946 -	BALIK PAPAN	0/0	-	1,917	-	-	*	o	
72(-)	KODYA SAMARINDA (B)	333,488 717,976	2,727 -	SAMARINDA	1/1	76/113	120/390	2,592	-	*	o	
				KUALA KUAYAN MELAK						2/9 0/5		

表AN2-6-4 (28/32) 各県の電話アクセスビリティ

Code No.	Kabupaten/Kodya	Demographic Data				Satellite Communications				Telephone Subscribers			Indices		
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	GROWTH POLE Industry	SCPC 1984/1989	SCPC 1984/1989	No. of Modems 1984/1989	FDMA/TDMA 1984/1989	Existing Subscribers 1983	Access Demand 1984/2000	I	II	III	
											Graphical PTC/IKK	Access to Road	Condition		
7100	PROPINSI SULAWESI UTARA	2,325,173 3,341,600	27,529	84.8/121.4					2,385	8,565 20,791					
01	KAB. GORONTALO	535,602 795,301	12,102	45.9/65.7	Agriculture Plantation	0/0	-			2,443 5,737	175	*	o		
02	KAB. BOLANG MANGONDOR	333,309 507,923	8,448	39.5/60.1	Commerce	1/1	3/7		173	1,394 3,173	110	*	o		
03	KAB. MINAHASA	844,005 1,226,367	4,321	195.3/283.8	Plantation	0/0	0/5		799	3,739 10,140	75	*	o		
04	KAB. SANGIHE TALAUT	254,363 320,794	2,265	112.3/141.6	TAINA Fishery	1/1	4/7		5	989 1,741	136	x	x		
71(01)	KODYA GORONTALO (A)	105,615 140,347	65	-	GRONTALO	1/1	3/18	Only to MND 0/60	16	-	-	*	o		
72(03)	KODYA MANADO (B)	242,227 350,868	25	-	MANADO	1/1	47/152	361/396	1,392	-	-	*	o		
7200	PROPONSI SULAWESI TENGAH	1,495,107 2,533,200	67,766	22.1/37.4					1,797	5,037 9,838					
01	KAB. LUMUK/BANGGAI	308,578 521,839	12,487	24.7/41.8	LUMUK Plantation	1/2	3/50			1,024 1,925	95	*	*		
02	KAB. POSO	304,637 483,841	24,883	12.2/19.4	POSO Plantation	1/2	3/14		600	1,067 1,874	228	*	o		
03	KAB. DONGGALA	677,914 1,172,872	22,706	29.9/51.7	PAIU Commerce Plantation	1/2	53/73	PAIU 0/120	1,177	2,262 4,773	190	*	o		
04	KAB. BUALI TOLI TOLI	203,958 354,648	7,160	28.5/49.5	TOLITOLI Agriculture Fishery	1/1	2/9		20	684 1,266	118	*	o		

表AN2-6-4 (29/32) 各県の電話アクセスピッチ

Code No.	Kabupaten/ Kodya	Demographic Data		Satellite Communications			Telephone Subscribers		Indices			
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	SCPC 1984/1989	No. of St. No. of Modems SCPC FDMA-TDMA 1984/1989	SCPC 1984/1989	Existing Subscribers 1983	Access Demand 1984/2000	I	II	III
7300	PROVINSI SULAWESI SELATAN	5,529,072 8,487,900	74,401	87.8/114.1			6,504	20,732 40,152				
01	KAB. SELAYAR	98,898 118,831	1,938	51.0/61.3	0/0	-		392 586	35	x		0
02	KAB. BULUKUMBA	331,127 441,371	1,547	214.0/285.3	0/0	-	197	1,150 2,368	30	x		0
03	KAB. BANTAENG	129,714 178,246	468	277.2/380.9	0/0	-		467 832	10	x		0
04	KAB. JENEPONTO	250,484 288,589	819	305.8/352.4	0/1	0/5		847 1,415	20	x		0
05	KAB. TAKALAR	188,825 237,661	581	325/409.1	0/1	0/5	62	650 1,131	12	x		0
06	KAB. GOWA	379,737 466,835	2,148	176.8/217.3	0/0	-	207	1,332 2,561	55	x		0
07	KAB. SINJAI	187,891 263,125	1,067	176.1/246.6	1/1	1/10	124	665 1,288	30	x		0
08	KAB. BONE	666,950 814,838	4,589	145.3/177.6	1/1	1/10	367	2,489 5,328	70	*		0
09	KAB. MAROS	215,813 280,101	1,118	193.0/250.5	0/0	-	277	752 1,382	32	*		0
10	KAB. PANGRAJENE KEP	235,359 305,564	1,215	193.7/251.5	0/0	-	196	819 1,529	30	x		0
11	KAB. BARRU	144,223 161,270	1,521	94.8/106.0	0/0	-	68	534 780	20	x		0
12	KAB. SOPPENG	248,872 305,564	1,511	164.7/202.2	0/0	-	139	871 1,539	20	*		0

表AN2-6-4 (30/32) 各県の電話アクセスサービス

Code No.	Kabupaten/ Kodya	Demographic Data			Satellite Communications				Telephone Subscribers		Indices				
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	GROWTH POLE Industry	No. of St. No. of Modems 1984/1989	SCPC 1984/1989	FDMA+TDMA 1984/1989	Existing Subscribers 1983	Access Demand 1984/2000	I	II Access to Graphical PTC/IKK	III Road Condition		
														I	II
13	KAB. WAJO	388,322 441,371	2,610	148.8/169.1	Animal Hus.	0/0	-	191	1,371 2,408	35	*	*			
14	KAB. SINDERENG RAPPANG	227,907 305,564	2,681	85.0/114.0		0/0	-	380	628 1,570	65	x	o			
15	KAB. PINRANG	287,641 364,980	2,508	114.7/145.5		0/0	-	133	1,023 1,920	28	*	o			
16	KAB. ENREKANG	143,294 169,758	1,579	90.7/107.5		1/1	1/10	42	533 822	25	x	o			
17	KAB. LUWU	542,041 763,911	22,895	23.7/33.4	PAILOPO Agriculture	2/2	6/13	200	2,209 5,187	140	*	o			
18	KAB. TANA TORAJA	353,474 424,395	3,854	91.7/110.1	Animal Hus. Mining	1/2	3/15	228	1,279 2,327	35	*	o			
19	KAB. POLEWALI MAMASA	401,414 551,714	8,561	46.9/64.4	MAJENE Commerce Fishery	0/1	0/5	116	1,531 3,502	60	x	o			
20	KAB. MAJENE	140,831 220,685	1,803	78.1/122.4	Craft	0/0	-	87	532 1,084	60	x	o			
21	KAB. MAMUJU	110,283 152,782	8,749	12.6/17.5		0/1	0/5		465 793	173	x	o			
71(-)	KODYA UJUNG PANDANG (A)	763,849 1,111,915	449	-	UJUNG PANDANG	1/1	74/110	180/600	3,681	-	o	o			
72(-)	KODYA PARE-PARE (B)	91,744 118,831	190	-	PARE PARE	0/0	-	5	-	-	o	o			



表AN2-6-4 (31/32)

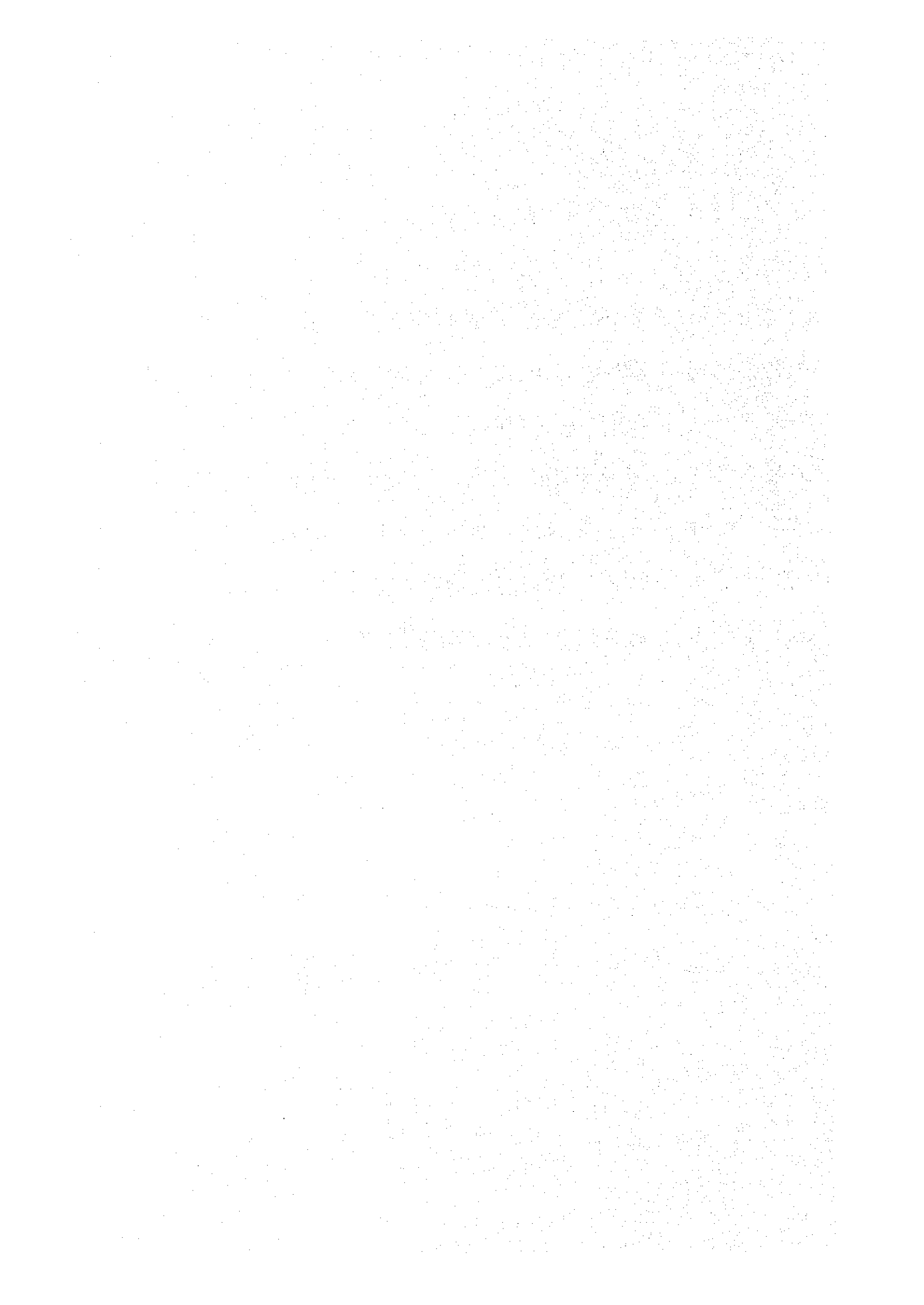
## 各県の電話アクセスピリタイ

Code No.	Kabupaten/ Kodya	Demographic Data		Satellite Communications			Telephone Subscribers			Indices			
		Population 1984/2000 (km <sup>2</sup> )	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	GROWTH POLE Industry	SOPC 1984/1989	SCPC 1984/1989	No. of St. No. of Modems No. of Oct. Existing 1984/1989	Subscribers 1983	Access Demand 1984/2000	I	II	III
7400	PROPINSI SULAWESI TENGGERA	1,060,191 1,660,100	38,139	27.8/43.5				996	3,980 7,758				
01	KAB. BUTON	349,535 484,749	6,463	54.1/75.0	BAU HAU Fishery	1/1	3/9	25	1,261 2,239	142	x		o
02	KAB. MUNA	197,769 302,138	4,886	40.5/61.8	BANA Food, Agr. Animal Hus.	1/1	3/9	18	732 1,326	52	x		o
03	KAB. KENDARI	242,961 557,794	16,320	21.0/34.2	KENDARI Commerce Administration	1/1	40/59	938	1,318 2,753	145	*		o
04	KAB. KOLAKA	169,863 315,419	10,310	16.5/30.6	KOLAKA Plantation Mining	1/1	3/9	15	662 1,440	120	*		o
8100	PROPINSI MALUKU	1,595,674 2,458,500	76,849	20.8/32.0				3,730	6,181 13,132				
01	KAB. MALUKU TENGGERA	269,859 363,858	21,504	12.5/16.9	TUAL Fishery, Agr.	2/2	6/49	250	1,199 2,105	802	x		*
02	KAB. MALUKU TENGAH	502,518 742,467	25,092	20.0/29.6	Commerce Agriculture	2/4	2/30	330	2,320 5,070	290	x		o
03	KAB. HALMAHERA TENGAH	110,579 181,929	9,116	12.1/20.0	TERNATE Fishery Agriculture	1/1	1/10		501 952	420	x		*
04	KAB. MALUKU UTARA	475,219 740,009	20,778	22.9/35.6		3/4	39/72	1,150	2,161 5,005	225	x		x
71	KODYA AMBON (A)	237,451 430,238	359	-		1/1	37/77	2,000	-	-	x		o Island

表AN2-6-4 (32/32) 各県の電話アクセスビリティ

Code No.	Kabupaten/ Kodya	Demographic Data			Satellite Communications			Telephone Subscribers			Indices			
		Population 1984/2000	Area (km <sup>2</sup> )	Pop. Density (/km <sup>2</sup> ) 1984/2000	SCPC 1984/1989	No. of St. No. of Modems SCPC FDMA+TDMA 1984/1989 1984/1989	Existing Subscribers 1983	Access Demand 1984/2000	I	II	III	Access to Road	Condition	
		1984/2000	(km <sup>2</sup> )	(/km <sup>2</sup> ) 1984/2000	1984/1989	No. of Cct. of Cct. FDMA+TDMA 1984/1989	Subscribers 1983	1984/2000						Geo- graphical
8200	PROPINSI IRIAN JAYA	1,326,530 2,090,900	303,116	4.4/6.9			4,726	19,904 28,660						
01	KAB. MERAUKE	184,335 240,454	123,240	1.5/2.0	2/2	32/44	378	1,590 3,110	460	x	x	x	x	
02	KAB. PEG-JAYA WIJAYA	303,345 535,270	8,779	34.6/61.0	1/1	2/7	17	2,800 9,851	260	x	x	x	x	
03	KAB. JAYAPURA	179,532 317,817	3,460	51.9/91.9	2/2	51/74	1,705	1,395 4,324	320	x	x	x	x	
04	KAB. PANIAI	193,993 273,908	12,338	15.7/22.2	1/2	2/11	10	1,560 3,548	275	x	x	x	x	
05	KAB. FAK FAK	71,749 112,909	50,592	1.4/2.2	3/3	11/19	327	552 1,125	600	x	x	x	x	
06	KAB. SORONG	152,515 238,363	43,120	3.5/5.5	2/2	43/54	858	1,231 2,988	210	x	x	*	*	
07	KAB. MANOKWARI	96,624 158,908	40,000	2.4/4.0	1/2	30/41	498	742 1,718	215	x	x	*	*	
08	KAB. TEL- GENDERAWASIH	65,547 96,181	18,994	3.5/5.1	1/1	2/10	289	486 904	130	x	x	*	*	
09	KAB. YAPEN WAROPEN	78,659 117,090	2,593	30.3/45.2	1/1	35/35	644	548 1,092	265	x	x	x	x	

- ANNEX 3-1-1 世帯数(1980年)
- ANNEX 3-1-2 雇用者数(1980年)
- ANNEX 3-1-3 都市における耐久消費財の普及率(1980年)
- ANNEX 3-1-4 農村における耐久消費財の普及率(1980年)
- ANNEX 3-1-5 初等教育経験者比率(1980年)
- ANNEX 3-1-6 インドネシア語を話せる人の割合(1980年)
- ANNEX 3-1-7 インドネシア語を読める人の割合(1980年)
- ANNEX 3-1-8 都市における住宅床面積(1980年)
- ANNEX 3-1-9 農村における住宅床面積(1980年)



表AN3-1-1 世帯数 (1980年)

Code	Province	Total	Urban	Rural
12	Sumatera Utara	1,548,323	362,607	1,185,716
13	Sumatera Barat	704,010	78,976	625,034
14	Riau	413,384	98,119	315,265
15	Jambi	300,076	32,617	267,459
16	Sumatera Selatan	457,338	217,473	637,865
17	Bengkulu	150,218	14,397	135,821
18	Lampung	871,666	94,997	776,669
31	Dki Jakarta	1,224,936	1,138,301	86,635
32	Jawa Barat	6,100,713	1,122,766	4,977,947
33	Jawa Tengah	5,286,220	936,698	4,349,522
34	D.I. Tigtajara	592,563	127,604	464,959
35	Jawa Timur	6,478,680	1,171,515	5,307,165
51	Bali	485,201	67,093	418,108
52	Nusa Tenggara Barat	594,192	79,105	515,087
53	Nusa Tenggara Timur	495,942	29,926	466,016
54	Timor Tunyr	-	-	-
61	Kalimantan Barat	442,083	57,765	384,318
62	Kalimantan Tengah	185,528	18,381	167,147
63	Kalimantan Selatan	44,435	86,987	357,448
64	Kalimantan Timur	234,557	90,693	143,864
71	Sulawesi Utra	398,993	65,819	333,174
72	Sulawesi Tengah	233,121	18,505	214,616
73	Sulawesi Selatan	1,117,330	177,531	939,799
74	Sulawesi Tenggara	173,598	14,379	159,219
81	Maluku	228,689	24,038	204,651
82	Irian Jaya	215,525	40,233	175,290

出典：BIRO PUSAT STATISTIKS 人口センサス 1980年

表AN3-1-2 雇 用 者 数 (1980年)

Code	Province	E-P/Lab. Force		Lab. Force/Pop	
		Urban	Rural	Urban	Rural
11	D. I. Aceh	96.74	98.45	36.44	47.64
12	Sumatera Utara	97.47	99.04	39.93	58.02
13	Sumatera Barat	97.04	99.03	33.35	48.23
14	Riau	97.35	98.47	38.54	49.84
15	Jambi	97.40	39.73	36.30	53.08
16	Sumatera Selatan	97.51	99.13	36.99	57.64
17	Bengkulu	97.83	98.54	34.90	57.01
18	Lampung	97.23	99.33	38.78	51.74
31	Dki Jakarta	96.10	97.00	42.86	40.33
32	Jawa Barat	97.14	98.04	38.33	46.91
33	Jawa Tengah	97.74	98.78	47.26	56.47
34	D. I. Yogyakarta	97.63	99.19	42.43	63.37
35	Jawa Timur	97.73	98.69	45.03	54.67
51	Bali	99.19	98.07	44.46	55.12
52	Nusa Tenggara Barat	97.49	97.81	39.77	51.43
53	Nusa Tenggara Timur	98.27	99.45	32.03	54.61
54	Timor Timur	-	-	-	-
61	Kalimantan Barat	96.65	99.26	37.28	62.02
62	Kalimantan Tengah	97.94	99.40	42.08	59.40
63	Kalimantan Selatan	97.07	97.16	39.34	54.95
64	Kalimantan Timur	97.50	98.82	37.90	49.00
71	Sulawesi Utra	95.69	97.23	39.61	46.10
72	Sulawesi Tengah	98.91	96.43	36.14	50.64
73	Sulawesi Selatan	97.31	96.78	34.23	40.31
74	Sulawesi Tenggara	98.45	98.18	36.46	45.33
81	Maluku	97.17	98.64	31.61	43.33
82	Irian Jaya	96.78	98.42	34.9	51.94

出典：BIRO PUSAT STATISTIKS 人口センサス 1980年

表AN3-13 都市における耐久消費材の普及率（1980年，1世帯当り）%

Code	Province	Sideboard Stove	Bicycle	Radio Cassette Recorder	TV Set	
11	D.I. Aceh	60.30	74.22	62.43	60.27	50.90
12	Sumatera Utara	65.24	80.50	54.62	60.72	38.12
13	Sumatera Barat	55.84	87.82	42.17	57.97	34.80
14	Riau	68.85	89.22	48.11	63.78	40.34
15	Jambi Selatan	68.39	80.60	42.06	64.59	35.25
16	Sumatera	64.13	76.59	36.59	57.66	36.81
17	Bengkulu	69.71	74.90	31.44	49.89	22.69
18	Lampung	65.57	68.17	23.60	54.39	29.28
31	Dki Jakarta	69.46	97.36	20.47	66.37	47.71
32	Jawa Barat	66.22	87.50	18.94	57.05	30.86
33	Jawa Tengah	47.35	71.60	50.36	57.03	24.72
34	D.I. Yogyakarta	45.51	71.92	57.99	64.87	28.28
35	Jawa Timur	58.09	85.99	46.96	52.14	28.42
51	Bali	62.33	77.86	46.61	56.81	31.78
52	Nusa Tenggara Barat	43.78	59.15	20.03	35.67	15.43
53	Nusa Tenggara Timur	60.32	59.65	13.24	55.99	20.85
54	Timor Timur	-	-	-	-	-
61	Kalimantan Barat	58.24	77.30	56.27	58.62	39.36
62	Kalimantan Tengah	56.66	47.21	61.80	60.53	34.56
63	Kalimantan Selatan	74.54	42.09	37.37	54.08	41.73
64	Kalimantan Timur	62.31	45.90	24.73	54.29	22.99
71	Sulawesi Utra	68.13	79.58	17.57	54.79	32.71
72	Sulawesi Tengah	67.16	65.86	22.72	54.22	29.36
73	sulawesi Selatan	7.278	78.85	40.53	51.66	31.81
74	Sulawesi Tenggara	59.17	46.28	17.03	45.68	20.84
81	Maluku	59.91	82.30	6.39	61.38	39.01
82	Irian Jaya	50.17	66.96	13.16	53.97	17.17

出典：BIRO PUSAT STATISTIKS 人口センサス 1980年

表 AN3-1-4 農村における耐久消費材の普及率（1980年，1世帯当り）%

Code	Province	Sideboard Stove	Bicycle	Radio Cassette Recorder	TV Set
11	D.I. Aceh	38.04	18.02	61.43	7.31
12	Sumatera Utara	54.27	18.18	54.19	5.82
13	Sumatera Barat	45.01	31.57	37.72	5.33
14	Riau	44.30	24.03	54.59	9.74
15	Jambi	41.48	18.59	40.35	6.14
16	Sumatera Selatan	43.28	15.49	37.55	5.37
17	Bengkulu	46.77	13.01	26.61	5.37
18	Lampung	40.87	8.94	42.70	3.11
31	Dki Jakarta	4.96	4.24	1.90	0.56
32	Jawa Barat	53.77	37.93	19.45	4.47
33	Jawa Tengah	30.18	16.01	36.05	2.25
34	D.I. Yogyakarta	28.46	12.62	56.62	4.13
35	Jawa Timur	42.35	29.80	43.09	2.82
51	Bali	45.67	26.08	29.83	4.38
52	Nusa Tenggara Barat	22.59	11.84	6.94	1.02
53	Nusa Tenggara Timur	12.48	2.25	2.14	0.51
54	Timor Timur	-	-	-	-
61	Kalimantan Barat	28.52	15.49	34.33	4.88
62	Kalimantan Tengah	54.38	8.32	17.11	4.51
63	Kalimantan Selatan	65.02	9.58	46.93	7.66
64	Kalimantan Timur	52.60	22.60	23.11	8.15
71	Sulawesi Utra	51.32	31.27	11.46	7.04
72	Sulawesi Tengah	28.67	8.21	14.92	1.36
73	sulawesi Selatan	51.25	16.01	25.90	2.38
74	Sulawesi Tenggara	25.50	9.57	19.56	2.25
81	Maluku	31.34	20.12	5.85	3.88
82	Irian Jaya	4.96	4.24	1.90	0.56

出典：BIRO PUSAT STATISTIKS 人口センサス 1980年



表AN3-1-5 初等教育経験者比率（1980年，対人口比）%

Code	Province	Urban			Rural		
		No Edu- cation	Elem. School	More	No Edu- cation	Elem. School	More
11	D. I. Aceh	29.73	28.32	41.91	55.99	30.84	13.14
12	Sumatera Utara	34.21	32.63	33.13	59.28	28.81	11.89
13	Sumatera Barat	32.53	28.01	39.45	62.72	25.49	11.76
15	Jambi	40.12	34.51	25.35	65.22	24.60	10.16
16	Sumatera Selatan	40.73	32.56	26.70	67.34	25.21	7.43
17	Bengkulu	39.87	31.68	28.45	65.63	23.68	10.64
18	Lampung	44.11	29.43	26.41	70.98	22.85	6.12
31	Dki Jakarta	33.34	29.57	37.07	47.93	27.23	24.79
32	Jawa Barat	40.77	31.54	27.66	63.84	29.65	6.47
33	Jawa Tengah	40.30	30.47	29.19	67.18	25.48	7.25
34	D.I. Yogyakarta	28.03	25.84	46.08	48.14	33.25	18.55
35	Jawa Timur	37.58	31.83	30.56	64.03	28.66	7.26
51	Bali	35.06	30.64	34.28	57.91	32.13	9.91
52	Nusa Tenggara Barat	39.93	29.16	31.39	66.18	25.45	8.31
53	Nusa Tenggara Timur	28.81	28.18	42.97	62.29	30.42	7.22
54	Timor Timur	-	-	-	-	-	-
61	Kalimanta Barat	45.56	28.35	26.08	76.56	16.93	6.46
62	Kalimantan Tengah	26.16	27.66	46.19	60.77	29.25	10.10
63	Kalimantan Selatan	42.47	30.92	26.58	67.07	23.99	8.90
64	Kalimantan Timur	37.75	29.15	33.06	64.53	25.44	10.00
71	Sulawesi Utra	36.79	27.58	35.54	60.26	26.82	12.89
72	Sulawesi Tengah	25.51	32.90	41.59	58.23	32.01	9.73
73	Sulawesi Selatan	35.44	27.77	36.76	61.85	27.82	10.29
74	Sulawesi Tenggara	35.36	29.70	34.91	57.03	30.40	12.53
81	Maluku	24.74	31.30	43.92	55.16	32.07	12.75
82	Irian Jaya	36.48	33.37	30.10	62.11	27.21	10.48

出典：BIRO PUSAT STATISTIKS 人口センサス 1980年

表AN3-1-6 インドネシア語を話せる人の割合（1980年，対人口比）%

Code	Province	Urban		Rural	
		Speak	Not Speak	Speak	Not Speak
11	D.I. Aceh	89.47	10.53	61.19	38.81
12	Sumatera Utara	95.05	4.95	71.79	28.21
13	Sumatera Barat	78.73	21.27	61.55	38.45
14	Riau	83.93	16.07	69.46	30.54
15	Jambi	82.71	17.29	66.18	33.82
16	Sumatera Selatan	82.72	17.28	64.94	35.06
17	Bengkulu	76.97	23.03	61.79	38.21
18	Lampung	88.95	11.05	64.41	35.59
31	Dki Jakara	99.48	0.52	99.48	0.52
32	Jawa Barat	76.53	23.47	57.18	42.82
33	Jawa Tengah	65.86	34.14	46.90	52.10
34	D.I. Yogyakarta	62.87	37.13	54.07	45.93
35	Jawa Timur	71.41	28.59	45.89	54.11
51	Bali	75.61	24.39	48.29	51.71
52	Nusa Tenggara Barat	71.09	28.91	42.61	57.39
53	Nusa Tenggara Timur	97.02	2.98	53.98	46.02
54	Timor Timur	-	-	-	-
61	Kalimantan Barat	82.25	17.75	59.60	40.40
62	Kalimantan Tengah	77.20	22.80	60.01	39.99
63	Kalimantan Selatan	74.63	25.37	56.81	43.19
64	Kalimantan Timur	91.26	8.74	69.96	30.04
71	Sulawesi Utra	96.45	3.55	79.04	20.96
72	Sulawesi Tengah	93.84	6.16	75.55	24.45
73	Sulawesi Selatan	80.00	20.00	44.85	55.15
74	Sulawesi Tenggara	92.59	7.41	58.23	41.77
81	Maluku	98.95	1.05	87.21	12.79
82	Irian Jaya	96.69	3.31	54.76	45.24

出典：BIRO PUSAT STATISTIKS 人口センサス 1980年

表AN3-1-7 インドネシア語を読める人の割合（1980年，対人口比）%

Code	Province	Urban		Rural	
		Read	Not Read	Read	Not Read
11	D.I. Aceh	92.86	7.20	72.65	27.29
12	Sumatera Utara	92.91	7.05	81.08	18.88
13	Sumatera Barat	92.81	7.16	80.09	19.86
14	Riau	87.87	12.07	73.23	26.70
15	Jambi	89.52	10.45	74.25	25.75
16	Sumatera Selatan	88.98	11.00	78.42	21.54
17	Bengkulu	91.46	8.50	72.48	27.41
18	Lampung	88.37	11.59	75.90	24.05
31	Dki Jakara	89.05	10.89	74.77	25.14
32	Jawa Barat	87.74	12.14	71.33	28.54
33	Jawa Tengah	79.53	20.31	63.21	36.73
34	D.I. Yogyakarta	84.49	15.45	65.07	34.84
35	Jawa Timur	78.89	29.96	58.95	41.00
51	Bali	97.77	20.12	58.96	40.97
52	Nusa Tenggara Barat	73.84	26.11	51.75	48.19
53	Nusa Tenggara Timur	92.08	7.93	62.63	37.29
54	Timor Timur	-	-	-	-
61	Kalimantan Barat	77.39	22.58		
62	Kalimantan Tengah	87.02	12.93	77.94	21.98
64	Kalimantan Timur	89.19	10.76	66.79	33.12
71	Sulawesi Utra	95.60	4.35	89.99	9.90
72	Sulawesi Tengah	93.49	6.50	80.88	19.05
73	Sulawesi Selatan	82.26	17.70	57.18	42.77
74	Sulawesi Tenggara	88.02	11.91	66.37	33.58
81	Maluku	94.55	5.30	81.44	18.50
82	Irian Jaya	88.67	11.26	41.56	58.37

出典：BIRO PUSAT STATISTIKS 人口センサス 1980年

表 AN3-1-8 都市における住宅床面積（1980年，対世帯数）

Code	Province	Urban		Rural	
		upto 49m <sup>2</sup>	upto 50-99m <sup>2</sup>	upto 100-199m <sup>2</sup>	more than 200m <sup>2</sup>
11	D.I. Aceh	58.76	33.04	6.33	1.39
12	Sumatera Utara	53.21	34.38	9.56	2.39
13	Sumatera Barat	59.40	31.57	6.82	1.57
14	Riau	53.35	32.61	11.40	2.59
15	Jambi	59.39	32.40	6.50	1.08
16	Sumatera Selatan	57.87	32.25	7.89	1.81
18	Lampung	42.34	45.56	9.68	2.28
31	Dki Jakara	58.18	27.03	10.36	4.19
32	Jawa Barat	64.94	25.78	6.77	1.94
34	D.I. Yogyakarta	42.90	35.15	15.65	5.74
35	Jawa Timur	53.58	30.93	9.86	3.67
51	Bali	55.72	29.09	11.93	2.81
52	Nusa Tenggara Barat	77.01	15.67	5.22	1.91
61	Kalimantan Barat	52.42	36.55	8.74	1.82
63	Kalimantan Selatan	62.10	26.13	9.51	1.75
64	Kalimantan Timur	54.58	33.91	8.09	2.41
71	Sulawesi Utra	61.86	26.63	7.70	2.69
72	Sulawesi Tengah	46.27	33.13	16.15	3.57
73	Sulawesi Selatan	60.14	30.79	6.92	1.92
74	Sulawesi Tenggara	64.44	29.17	4.98	1.28
81	Maluku	65.53	25.25	6.50	1.96
82	Irian Jaya	62.76	31.49	4.10	1.22

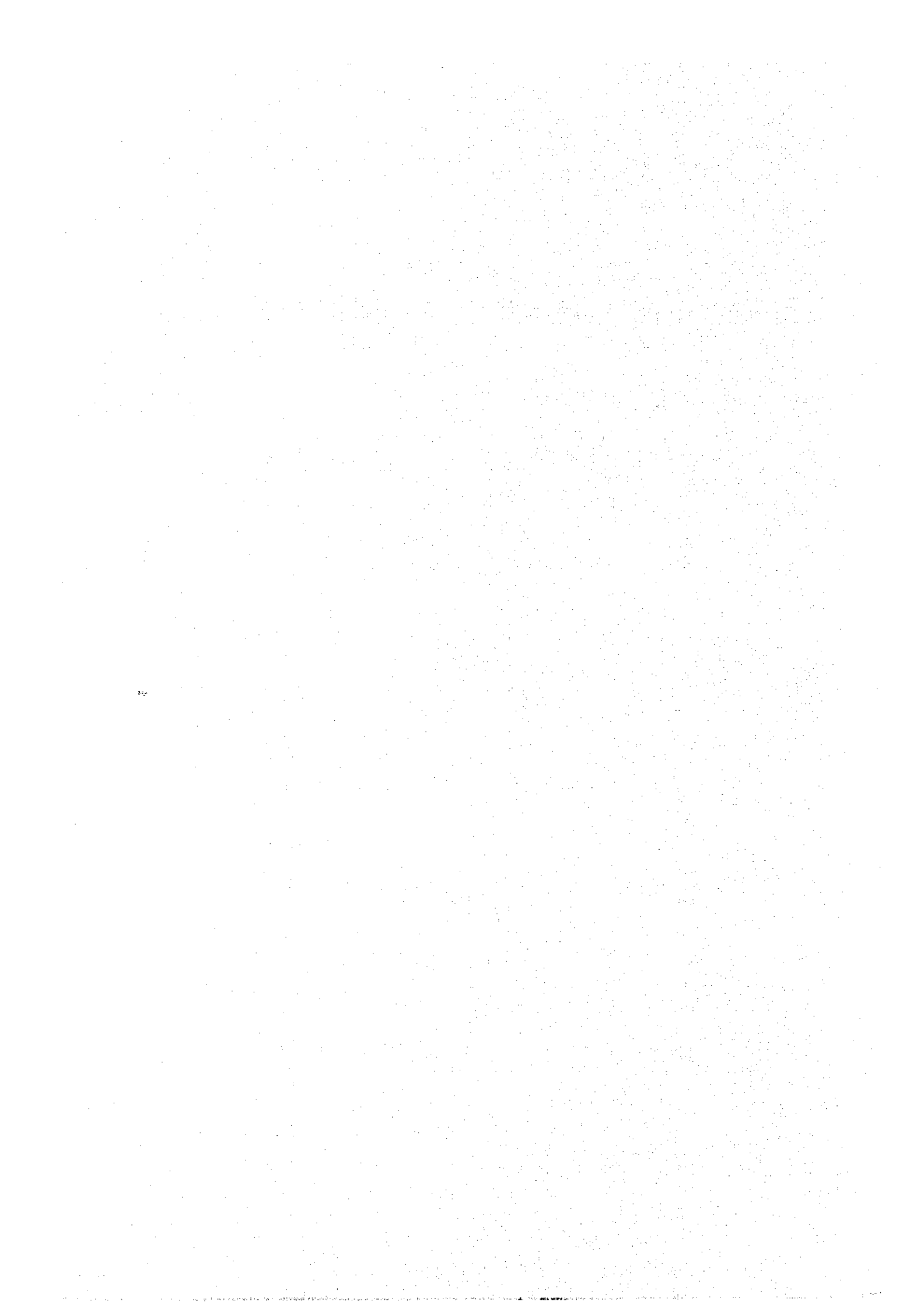
出典：BIRO PUSAT STATISTIKS 人口センサス 1980年

表AN3-1-9 農村における住宅床面積（1980年，対世帯数）

Code	Province	Urban		Rural	
		upto 49m <sup>2</sup>	upto 50-99m <sup>2</sup>	upto 100-199m <sup>2</sup>	more than 200m <sup>2</sup>
11	D.I. Aceh	69.82	26.40	3.20	0.36
12	Sumatera Utara	79.42	18.57	1.40	0.38
13	Sumatera Barat	62.75	31.93	4.48	0.62
14	Riau	67.96	25.86	5.06	0.92
15	Jambi	67.34	27.82	3.67	0.98
16	Sumatera Selatan	58.75	34.81	5.36	0.78
17	Bengkulu	60.89	35.48	2.92	0.55
18	Lampung	50.59	41.77	6.73	0.73
31	Dki Jakara	49.38	40.21	9.05	1.21
32	Jawa Barat	70.18	26.34	2.52	0.54
33	Jawa Tengah	27.30	44.37	22.98	5.19
34	D.I. Yogyakarta	13.37	39.78	34.37	12.17
35	Jawa Timur	42.01	35.96	13.16	3.00
51	Bali	73.57	22.41	3.09	0.80
52	Nusa Tenggara Barat	88.64	10.10	0.69	0.44
53	Nusa Tenggara Timur	83.59	13.69	1.74	0.48
54	Timor Timur		-	-	-
61	Kalimantan Barat	81.42	15.38	2.30	0.56
62	Kalimantan Tengah	78.21	18.58	2.38	0.44
63	Kalimantan Selatan	74.75	22.35	2.40	0.38
64	Kalimantan Timur	72.70	23.31	2.96	0.55
71	Sulawesi Utra	73.93	20.57	3.98	1.07
72	Sulawesi Tengah	77.86	17.89	3.00	0.43
73	Sulawesi Selatan	68.85	28.24	2.17	0.53
74	Sulawesi Tenggara	79.05	18.79	1.44	0.53
81	Maluku	62.59	32.61	3.43	0.59
82	Irian Jaya	87.83	10.46	0.82	0.23



## ANNEX 3-2-1 PLN第4次地方電化計画の概要





( Literal to PLN Original )

ANNEX 3-2-1

Rural Electrification Program of PLN in PELITA IV

The background and the policy of PLN for Rural electrification program are as follows:

## 1. Background

- The total number of the electrified Desas (villages) at the end of PELITA II (the Second Five-year Development 1974 - 1978) was 2244 Desas. The electrified rate of Desas was 3.5%.
- PELITA III (1979 - 1983) target was about 3700 Desas.
- Hence, at the end of PELITA III the total electrified Desas will be estimated of 5944 Desas.
- Realization of the new Desas that have just been energized in PELITA III are about 5771 Desas, so the target of 3700 Desas have already reached.
- Realization of the electrified Desas in Indonesia up to the end of PELITA III are 8015 Desas.
- With Funds given by the Government (APBN fund) and PLN's funds (APLN fund) for 1984/1985 period (the first year of the PELITA IV), estimation of the new electrified Desas will be increased up to 9070 Desas.

## 2. Policy

In confirmity with the village economic development, the village could be grouped into Swasembada villages, as the highest level, followed by Swakarya villages and Swadaya villages.

The main target of PELITA IV is to electrify all of the Swasembada villages, where the capital of the Kecamatan is included, and a part of the Swakarya villages as well as the Swadaya villages which are covered by PLN existing network of the extent of distribution line program.

The policy used in the electric power supply for the rural is giving priority through the existing distribution line, then non fuel energy resources which is available in the area will be used first, including microhydro power generation, wood, agriculture, waste and geothermal.

For villages which are given priority to be electrified, but are not yet reached by the existing and planned distribution line and non fuel energy resources are not available around them, the villages mentioned could be electrified by using diesel generator sets.

To enlighten the expenses and to speed up the installation of the distribution line and rural electrification installation, simplification of the used standard is still tried, without disregarding the general safety and materials used for electric power.

The supply of electric power in the rural areas is directed to push the improvement of productive uses to develop the industrial business in the villages involved.

With the consideration to the development of PLN's power capacity planning, and seeing the number of villages which are able to electrify in the year of PELITA III, Rural Electrification program in PELITA IV has a target to electrify approximately 1400 villages in a year.

So in PELITA IV, the total number of villages which could be electrified is about 7000 Desas.

### 3. Program

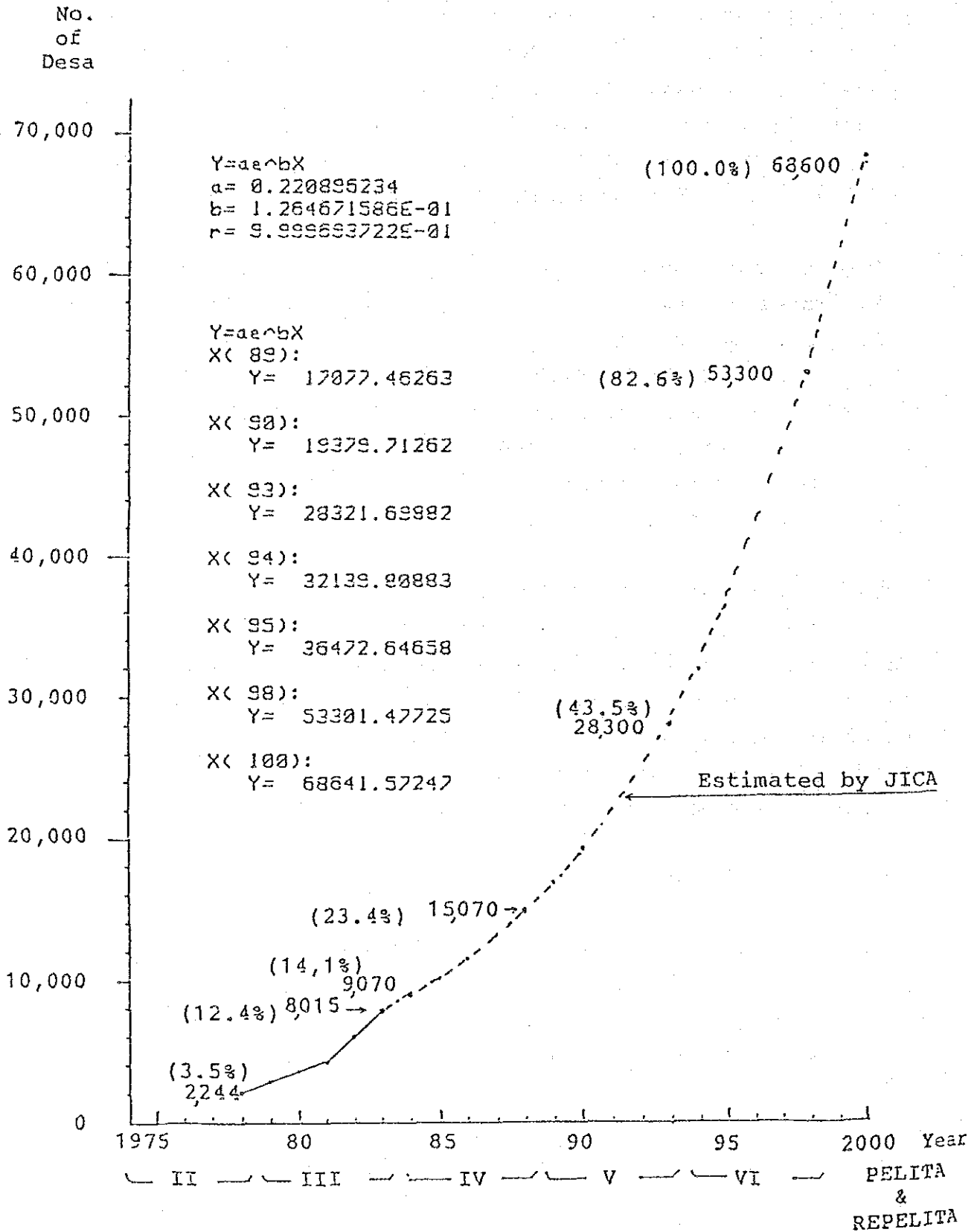
Regarding to the electrical distribution network, not only the existed lines but also which are still in planning, and the policy for giving priority to the Swasembada villages especially which are covered by the PLN's distribution lines, also observing whether some Microhydro potentials could be utilized, then plan of PELITA IV is than made as follows:

1. Total villages	:	7,000 villages
2. Total consumers	:	1,600,000 consumers
3. Total Diesel generator sets	:	132 MW
4. Total Microhydro generator sets:	:	50 MW
5. Distribution Transformers	:	877 MVA
6. Medium voltage networks	:	21,000 KM
7. Low voltage network	:	21,000 KM
8. In cooperation with KUD	:	226 villages

KUD: Village unit cooperations

Considering the rural peoples affordability which is generally low, so in order to get the number of consumers which is mentioned above the consumers house connection cost (Rp.110,580 per connection) will be assisted in paying through the credit given by the Government Bank.

The total number of the electrified Desas



- ANNEX 4-1-1 10県のサンプルデータ
- ANNEX 4-1-2 2000年の州別加入者需要数
- ANNEX 4-1-3 2000年の県別加入者需要数

ANNEX 4-1-1 は1984年のサンプル地域調査、参考地域調査での聞き込み調査の結果をとりまとめたものである。

ANNEX 4-1-3 は2000年の県別加入者需要数の推移の基礎データを示す。

ANNEX 4-1-2 は県別加入者需要数の推移を州別に集計したものである。

ANNEXでの略称は次のことを意味している。

POP	:	人口 (Population)
INDUST	:	産業 (Industry)
RESID	:	住宅 (Residence)
PDA	:	公共需要者 A (Public Demand A)
PDB	:	公共需要者 B (Public Demand B)
ID	:	産業需要 (Industrial Demand)
RD	:	住宅需要 (Residential Demand)
SUMMED	:	PDAからRDまでの合計
DENSITY	:	電話需要密度



表AN4-1-1 10 県のサンプリングデータ

FILE:REG-KAB (IR 41)

NAME of KAB and KEC	TOTAL AREA	POP	POP DENSITY	REGIONAL INCOME MRP	PUBLIC DEMAND A	PUBLIC DEMAND B	INDUST DEMAND	RESID DEMAND	TOTAL DEMAND
INDRAGIRI HULU	15855	254260	16	29091.23	361	101	430	240	1132
KAMPAR	28291	402416	14.2	46037.58	326	89	418	289	1122
CILACAP	2338	1416891	606	109393.46	813	175	1709	1762	4459
BANYUMAS	1310	1286886	982.4	99073.32	1090	186	1961	2153	5390
PRUBALINGGA	765	697596	911.9	53664.72	343	69	821	362	1595
HULU SEI SELATAN	1703	206100	121	20241.13	267	19	503	148	937
HULU SEI TENGAH	1373	247259	180.1	22956.4	276	16	447	134	873
SINJAI	1067	173066	162.2	18742.29	111	20	295	89	515
PANGKEP	1215	235386	193.7	23266.29	132	37	875	259	1303
MALUKU TENGAH	25092	502575	20	59465.34	787	118	687	798	2390

表AN4-1-2 2000年の州別加入者需要数

FILE:DEM-PRO

CODE CLASS	NAME OF PROVINCE	PDA (1984)	PDB (1984)	ID (1984)	RD (1984)	SUMMED (1984)	PDA (2000)	PDB (2000)	ID (2000)	RD (2000)	SUMMED (2000)	DENSITY (1984)	DENSITY (2000)
1100 PROP	D.I. ACEH	2730	486	5866	6825	15907	3843	741	9330	27732	41646	0.566	0.993
1200 PROP	SUMATERA UTARA	6473	1320	11901	17902	37596	8486	1829	18584	70024	98923	0.516	0.985
1300 PROP	SUMATERA BARAT	2714	468	4596	1961	9739	3185	571	6605	7156	17517	0.341	0.51
1400 PROP	RIAU	2579	549	3795	2982	9905	3780	883	6136	11605	22404	0.443	0.645
1500 PROP	JAMBI	1576	282	2449	873	5180	2552	513	4049	3262	10376	0.366	0.424
1600 PROP	SUMATERA SELATAN	4519	960	7654	10174	23307	6768	1578	12717	41055	62118	0.545	0.906
1700 PROP	BENGKULU	766	119	1430	489	2804	1261	221	2376	1762	5620	0.338	0.379
1800 PROP	LAMPUNG	4507	1143	5560	6572	17782	8606	2493	10892	22371	44362	0.331	0.376
	TOTAL (SUMATERA)	25864	5327	43251	47778	122220	38481	8829	70689	184967	302966	0.451	0.693
3100 PROP	DKI. JAKARTA	0	0	0	0	0	0	0	0	0	0	0	0
3200 PROP	JAWA BARAT	18663	3823	35368	62637	120491	23888	5151	56833	275892	361764	0.43	0.953
3300 PROP	JAWA TENGAH	16067	2758	30559	22969	72353	18377	3240	45476	97813	164906	0.293	0.566
3400 PROP	D.I. YOGYAKARTA	1723	287	3390	2077	7477	2113	366	5167	8519	16165	0.287	0.5
3500 PROP	JAWA TIMUR	18213	3314	36915	46081	104523	20922	3919	55152	198457	278460	0.383	0.86
	TOTAL (JAWA)	54666	10182	106232	133764	304844	65300	12676	162628	580681	821285	0.369	0.8
5100 PROP	BALI	1761	236	4691	2779	9467	2131	298	6976	11296	20701	0.361	0.627
5200 PROP	NUSA TENGGARA BARAT	2363	404	3682	1304	7753	3062	552	5691	5175	14480	0.259	0.355
5300 PROP	NUSA TENGGARA TIMUR	2877	461	4405	790	8533	3824	656	6666	3004	14150	0.286	0.341
5400 PROP	TIMOR TIMUR	587	56	750	0	1393	799	84	1050	5	1938	0.227	0.224
	TOTAL (NUSA TENGGARA)	7588	1157	13528	4873	27146	9816	1590	20383	19480	51269	0.294	0.414
6100 PROP	KALIMANTAN BARAT	2915	630	4050	2892	10487	4003	932	6344	11313	22592	0.435	0.652
6200 PROP	KALIMANTAN TENGAH	1367	226	2724	962	5279	2142	397	4272	3440	10251	0.514	0.605
6300 PROP	KELIMANTAN SELATAN	2060	343	3980	1730	8113	2842	514	6131	6533	16020	0.417	0.566
6400 PROP	KALIMANTAN TIMUR	1204	263	2257	3499	7223	2097	527	3769	12435	18828	0.904	1.272
	TOTAL (KALIMANTAN)	7546	1462	13011	9083	31102	11084	2370	20516	33721	67691	0.503	0.715
7100 PROP	SULAWESI UTARA	1865	359	3275	3066	8565	2540	525	5191	12535	20791	0.431	0.729
7200 PROP	SULAWESI TENGAH	1747	384	2152	774	5037	2761	640	3556	2881	9838	0.337	0.388
7300 PROP	SULAWESI SELATAN	5108	827	10209	4595	20739	6340	1087	15089	17636	40152	0.366	0.553
7400 PROP	SULAWESI TENGGARA	1163	205	1889	713	3980	1734	336	3027	2661	7758	0.375	0.467
	TOTAL (SULAWESI)	9883	1755	17535	9148	38321	13375	2588	28863	35713	78539	0.375	0.549
8100 PROP	MALUKU	1650	344	2466	1721	6181	2342	530	3867	6393	13132	0.455	0.647
8200 PROP	IRIAN JAYA	1731	298	4292	4583	10904	2564	484	6795	18817	28660	0.822	1.371
	TOTAL (MALUKU&IRIAN)	3381	642	6758	6304	17085	4906	1014	10662	25210	41792	0.636	1.015
	WHOLE INDONESIA	108928	20525	200315	210950	540718	142962	29067	311741	879772	13663542	0.392	0.68



FILE:DEM-EST1 (IR 41)

CODE CLASS NAME (KAB.KOD.)	PDA (1984)	PDB (1984)	ID (1984)	RD (1984)	SUMMED (1984)	PDA (2000)	PDB (2000)	ID (2000)	RD (2000)	SUMMED (2000)
1100 PROP D.I. ACEH	2730	486	5866	6825	15907	3843	741	9330	27732	41646
1101 KAB ACEH SELATAN	337	61	675	616	1689	468	91	1048	2307	3914
1102 KAB ACEH TEHGGRA	184	27	466	263	940	282	45	770	1149	2246
1103 KAB ACEH TIMUR	490	96	939	1285	2810	723	155	1576	5620	8074
1104 KAB ACEH TENGAH	184	27	438	223	872	203	31	552	1311	1911
1105 KAB ACEH BARAT	330	58	694	655	1737	475	90	1119	2666	4350
1106 KAB ACEH BESAR	246	38	599	468	1351	348	58	944	1825	3175
1107 KAB PIDIE	350	60	784	856	2050	470	86	1197	3095	4848
1108 KAB ACEH UTARA	609	119	1271	2459	4458	874	185	2124	10545	13728
1171 KODYA BAND ACEH (A)										
1172 KODYA SABANG (B)										
1200 PROP SUMATERA UTARA	6473	1320	11901	17902	37596	8486	1829	18584	70024	98923
1201 KAB NIAS	465	86	897	931	2379	605	118	1374	3519	5616
1202 KAB TAPANULI SELATAN	807	178	1330	2142	4457	1056	247	2081	8388	11772
1203 KAB TAPANULI TENGAH	173	24	425	175	797	234	35	648	663	1580
1204 KAB TAPANULI UTARA	784	179	1192	1692	3847	938	223	1702	5532	8395
1205 KAB LABUHAN BATU	588	118	1043	1292	3041	836	181	1742	5813	8572
1206 KAB ASAHAN	738	150	1386	2344	4618	1021	223	2297	10268	13809
1207 KAB SIMALUNGUN	715	145	1330	2140	4330	933	200	2081	8388	11602
1208 KAB DAIRI	253	39	555	323	1170	342	57	857	1252	2508
1209 KAB KARO	200	28	513	270	1011	260	38	765	972	2035
1210 KAB DELI SERDANG	1035	225	1939	4563	7762	1256	284	2877	16169	20588
1211 KAB LANGKAT	715	148	1291	2030	4184	1005	223	2160	9060	12448
1271 KODYA SIBOLGA (A)										
1272 KODYA TANJUNG BALAI (B)										
1273 KODYA KOTA SIANTAR (C)										
1274 KODYA TEBING TINGGI (D)										
1275 KODYA MEDAN (E)										
1276 KODYA BINJAI (F)										
1300 PROP SUMATERA BARAT	2714	468	4596	1961	9739	3185	571	6605	7156	17517
1301 KAB PESISIR SELATAN	336	58	553	222	1169	410	74	822	869	2175
1302 KAB SOLOK	381	69	597	260	1307	449	85	862	963	2359

表AN4-1-3 (2/13) 2000年の県別加入者需要数

1303 KAB	SAWAH LUNTO/SIJUNJUNG	253	41	437	131	862	327	56	671	553	1607
1304 KAB	TANAH DATAR	268	39	558	225	1090	314	48	802	822	1986
1305 KAB	PADANG PARIAMAN	461	87	707	372	1627	478	91	922	1114	2605
1306 KAB	AGAM	335	53	643	306	1337	389	64	922	1114	2489
1307 KAB	LIMAPULUH KOTA	265	42	484	164	955	285	46	643	502	1476
1308 KAB	PASAMAN	415	79	617	281	1392	533	107	961	1219	2620
1371 KODYA	PADANG (A)										
1372 KODYA	SOLOK (B)										
1373 KODYA	SAWAH LUNTO (C)										
1374 KODYA	PADANG PANJANG (D)										
1375 KODYA	BUKIT TINGGI (E)										
1376 KODYA	PAYA KUMBUH (F)										
1400 PROP	RIAU	2579	549	3795	2982	9905	3780	883	6136	11605	22404
1401 KAB	INDRAGIRI HULU	309	57	502	226	1094	423	84	744	735	1986
1402 KAB	INDRAGIRI HILIR	500	100	781	620	2009	781	174	1354	2674	4983
1403 KAB	KEPULAUAN RIAU	472	91	787	608	1958	658	137	1225	2168	4188
1404 KAB	KAMPAR	512	111	703	477	1803	748	178	1127	1814	3867
1405 KAB	BENGKALIS	786	190	1014	1051	3041	1170	310	1686	4214	7380
1471 KODYA	PEKAN BARU (A)										
1500 PROP	JAMBI	1576	282	2449	873	5180	2552	513	4049	3262	10376
1501 KAB	KERINCI	257	41	463	150	911	368	63	695	462	1588
1502 KAB	SARKO	310	56	462	152	980	520	107	784	599	2010
1503 KAB	BATANG HARI	293	52	451	141	937	456	89	725	506	1776
1504 KAB	TANJUNG JABUNG	363	67	564	249	1243	614	128	956	912	2610
1505 KAB	BUNGO TEBO	353	66	509	181	1109	594	126	889	783	2392
1571 KODYA	JAMBI (A)										
1600 PROP	SUMATERA SELATAN	4519	960	7654	10174	23307	6768	1578	12717	41055	62118
1601 KAB	OGAN KOMERING ULU	881	204	1428	2726	5239	1366	348	2507	11847	16068
1602 KAB	OGAN KOMERING ILIR	753	178	1102	1570	3603	1094	282	1786	5919	9081
1603 KAB	LEMATANG ILIR OGAN TENGAH	498	99	882	972	2451	677	144	1334	3204	5359
1604 KAB	LAHAT	495	92	984	1237	2808	724	147	1607	4755	7233
1605 KAB	MUSIRAWAS	472	84	811	816	2193	742	165	1387	3478	5772
1606 KAB	MUSI BANYU ASIN	731	165	1158	1750	3804	1144	285	2025	7674	11128
1607 KAB	BANGKA	480	95	850	901	2326	706	152	1374	3414	5646
1608 KAB	BELITUNG	209	33	439	202	883	315	55	697	764	1831



表AN4-1-3 (4/13) 2000年の県別加入者需要数

FILE:DEM-EST3 (IR 41)

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CODE CLASS NAME (KAB.KOD.)	PDA (1984)	PDB (1984)	ID (1984)	RD (1984)	SUMMED (1984)	PDA (2000)	PDB (2000)	ID (2000)	RD (2000)	SUMMED (2000)
3100 DKI. JAKARTA										
3171 JAKARTA SELATAN										
3172 JAKARTA TIMUR										
3173 JAKARTA PUSAT										
3174 JAKARTA BARAT										
3175 JAKARTA UTARA										
3200 PROP JAWA BARAT	18663	3823	35368	62587	120491	23888	5151	56833	275892	361764
3201 KAB PANDEGLANG	599	111	1116	1135	2961	775	151	1757	4684	7367
3202 KAB LEBAK	601	113	1084	1066	2864	775	154	1702	4387	7018
3203 KAB BOGOR	1740	407	3153	8576	13876	2337	579	5481	42918	51315
3204 KAB SUKABUMI	1243	280	2084	3923	7530	1596	378	3384	17017	22355
3205 KAB CIANJUR	1114	241	1928	3371	6654	1406	320	3049	14073	18848
3206 KAB BANDUNG	1862	445	3334	9509	15150	2431	611	5633	45138	53313
3207 KAB GARUT	1142	244	2051	3806	7243	1466	330	3311	16510	21817
3208 KAB TASIK MALAYA	1228	268	2176	4266	7938	1576	362	3522	18605	24065
3209 KAB CIAMIS	1024	212	1868	3153	6257	1243	268	2838	12238	16587
3210 KAB KUNINGAN	562	95	1218	1355	3230	701	124	1868	5305	7998
3211 KAB CIREBON	854	157	1836	3050	5897	1070	206	2891	12678	16845
3212 KAB MAJALENGKA	607	104	1321	1584	3616	755	135	2033	6298	9221
3213 KAB SUMEDANG	548	95	1120	1134	2897	680	123	1702	4387	6892
3214 KAB INDRAMAYU	899	178	1711	2649	5437	1125	232	2679	10916	14952
3215 KAB SUBANG	799	153	1546	2183	4681	1003	201	2412	8876	12492
3216 KAB PURWAKARTA	355	54	804	571	1784	458	74	1246	2292	4070
3217 KAB KARAWANG	878	169	1740	2752	5539	1102	222	2732	11346	15402
3218 KAB BEKASI	794	148	1613	2362	4917	1035	203	2826	10502	14366
3219 KAB TANGERANG	1005	195	2084	3918	7202	1319	270	3468	18051	23108
3220 KAB SERANG	809	154	1581	2274	4818	1035	208	2519	9671	13433
3271 KODYA BOGOR (A)										
3272 KODYA SUKABUMI (B)										
3273 KODYA BANDUNG (C)										
3274 KODYA CIREBON (D)										
3300 PROP JAWA TENGAH	16067	2758	30559	22969	72353	18377	3240	45476	97813	164906
3301 KAB CILACAP	960	194	1591	1707	4452	1139	238	2493	8089	11959

表AN4-1-3 (5/13)

2000年の県別加入者需要数

3302	KAB BANYUMAS	798	147	1469	1459	3873	899	170	2184	6232	9485
3303	KAB PURBALINGGA	438	68	905	554	1965	467	77	1302	2183	4049
3304	KAB BANJAR NEGARA	471	77	906	555	2009	540	91	1344	2330	4305
3305	KAB KEBUMEN	694	125	1270	1094	3183	762	140	1829	4374	7105
3306	KAB PURWOREJO	484	79	932	589	2084	538	90	1344	2330	4302
3307	KAB WONOSOBO	425	87	849	489	1830	491	80	1260	2040	3871
3308	KAB MAGELANG	628	109	1192	969	2898	706	125	1750	3998	6579
3309	KAB BOYOLALI	539	90	1036	733	2398	604	104	1508	2955	5171
3310	KAB KLATEN	636	106	1319	1182	3243	716	122	1948	4962	7748
3311	KAB SUKOHARJO	377	54	849	490	1770	435	65	1260	2040	3800
3312	KAB WONOGIRI	677	125	1168	926	2896	722	135	1629	3460	5946
3313	KAB KARANG ANYAR	460	76	850	489	1875	531	91	1260	2040	3922
3314	KAB SRAGEN	516	85	1010	696	2307	610	104	1549	3121	5384
3315	KAB GROBOGAN	742	140	1268	1095	3245	871	170	1948	4962	7951
3316	KAB BLORA	577	106	956	625	2264	648	122	1365	2481	4636
3317	KAB REMBANG	338	51	682	312	1383	392	61	1005	1264	2722
3318	KAB PATI	704	130	1241	1053	3128	812	154	1869	4567	7402
3319	KAB KUDUS	329	46	768	396	1539	392	56	1176	1765	3389
3320	KAB JEPARA	490	80	957	625	2152	565	95	1426	2635	4721
3321	KAB DEMAK	476	78	930	590	2075	551	92	1385	2481	4509
3322	KAB SEMARANG	476	77	933	588	2074	529	87	1344	2330	4290
3323	KAB TEMANGGUN	387	59	795	427	1668	462	73	1218	1899	3652
3324	KAB KENDEL	476	76	957	624	2133	532	87	1385	2481	4485
3325	KAB BATANG	365	55	768	396	1584	421	65	1134	1932	3252
3326	KAB PEKALONGAN	447	71	903	555	1976	532	87	1385	2481	4485
3327	KAB PEMALANG	619	106	1193	968	2886	711	125	1790	4189	6815
3328	KAB TENGAL	675	116	1344	1226	3361	788	139	2066	5584	8577
3329	KAB BREBES	862	165	1518	1557	4102	991	195	2300	5908	10394
3371	KODYA MAGELANG (A)										
3372	KODYA SURAKARTA (B)										
3373	KODYA SALATIGA (C)										
3374	KODYA SEMARANG (D)										
3375	KODYA PEKALONGAN (E)										
3376	KODYA TENGAL (F)										
3400	D. I. YOGYAKARTA	1723	287	3390	2077	7477	2113	366	5167	8519	16165
3401	KAB KULON PROGO	261	35	606	248	1150	310	43	879	911	2143
3402	KAB BANTUL	396	58	907	583	1944	495	76	1410	2464	4445
3403	KAB GUNUNG KIDUL	641	130	924	603	2298	771	163	1377	2345	4656
3404	KAB SLEMAN	425	64	953	643	2085	537	84	1501	2799	4821
3471	KODYA YOGYAKARTA (A)										
3500	PROP JAWA TIMUR	18213	3314	36915	46081	104523	20922	3919	55152	198457	278450

表 AN4-1-3 (6/13) 2000 年の県別加入者需要数

3501	KAB PACITAN	365	57	777	520	1719	380	60	1034	1698	3172
3502	KAB PONOROGO	554	96	1132	1137	2919	581	101	1536	3946	6164
3503	KAB TRENGGALEK	405	64	886	687	2042	472	77	1317	2854	4720
3504	KAB TULUNG AGUNG	558	94	1199	1283	3134	628	108	1750	5176	7662
3505	KAB BLITAR	718	132	1433	1639	4122	814	153	2118	7646	10731
3506	KAB KEDIRI	813	151	1661	2469	5094	944	181	2532	10956	14613
3507	KAB MALANG	1446	326	2572	5770	10114	1702	397	4040	27339	33478
3508	KAB LUMAJANG	606	105	1265	1437	3413	706	127	1909	6185	8927
3509	KAB JEMBER	1311	287	2359	4871	8828	1483	333	3542	21197	26555
3510	KAB BANYUWANGI	1032	214	1884	3168	6298	1203	257	2888	14227	18575
3511	KAB BONDOWOSO	440	71	955	808	2274	493	81	1372	3111	5057
3512	KAB SITUBONDO	411	67	848	630	1956	458	76	1205	2360	4099
3513	KAB PROBOLINGGO	632	113	1264	1437	3446	717	132	1856	5839	8544
3514	KAB PASURUAN	707	127	1463	1928	4225	843	157	2275	8832	12107
3515	KAB SIDOARJO	532	84	1263	1438	3317	654	108	2014	6907	9683
3516	KAB MOJOKERTO	461	72	1061	1001	2595	554	90	1643	4543	6830
3517	KAB JOMBANG	506	102	1333	1592	3633	722	126	2067	7279	10194
3518	KAB NGANJUK	598	103	1266	1436	3403	695	123	1909	6185	8912
3519	KAB MADIUN	454	73	990	870	2387	510	84	1427	3381	5402
3520	KAB MAGETAN	402	62	923	745	2132	465	73	1372	3111	5021
3521	KAB NGARI	548	94	1130	1140	2912	637	113	1697	4853	7300
3522	KAB BOJONEGORO	761	146	1429	1845	4181	889	176	2170	8032	11267
3523	KAB TUBAN	652	119	1264	1436	3471	760	144	1909	6185	8998
3524	KAB LAMONGAN	749	140	1464	1926	4279	872	169	2223	8437	11701
3525	KAB GRESIK (SURABAYA)	506	85	1063	1000	2654	525	88	1427	3381	5421
3526	KAB BANGKALAN	487	81	1027	934	2529	545	93	1481	3656	5775
3527	KAB SAMPAN	433	70	922	746	2171	502	84	1372	3111	5069
3528	KAB PAMEKASAN	365	55	850	629	1898	443	69	1317	2854	4683
3529	KAB SUMENEP	661	124	1232	1359	3376	725	139	1750	5176	7750
3571	KODYA KEDIRI (A)										
3572	KODYA BLITAR (B)										
3573	KODYA MALANG (C)										
3574	KODYA PROBOLINGGO (D)										
3575	KODYA PASURUAN (E)										
3576	KODYA MOJOKERTO (F)										
3577	KODYA MADIUN (G)										
3578	KODYA SURABAYA (H)										
GRAND TOTAL (JAWA)		54666	10182	106232	133764	304844	65300	12676	162628	580681	821285

表AN4-1-3 (7/13)

2000年の県別加入者需要数

FILE:DEM-EST5 (IR 41)

CODE CLASS NAME (KAB.KOD.)	PDA (1984)	PDB (1984)	ID (1984)	RD (1984)	SUMMED (1984)	PDA (2000)	PDB (2000)	ID (2000)	RD (2000)	SUMMED (2000)
5100 PROP BALI	1761	236	4691	2779	9467	2131	298	6976	11296	20701
5101 KAB JEMBRANA	160	20	448	170	798	203	26	683	702	1614
5102 KAB TABANAN	254	35	636	369	1294	297	43	915	1358	2613
5103 KAB BADUNG	318	44	875	740	1977	405	58	1391	3359	5213
5104 KAB GIANJAR	208	26	587	310	1131	247	32	856	1169	2304
5105 KAB KLUNGKUNG	107	11	348	94	560	121	13	474	300	908
5106 KAB BANGLI	122	14	369	107	612	144	17	524	380	1065
5107 KAB KARANG ASEM	231	31	582	301	1145	265	37	823	1071	2196
5108 KAB BULELENG	361	55	846	688	1950	449	72	1310	2957	4788
5200 PROP NUSA TENGGARA BARAT	2363	404	3682	1304	7753	3062	552	5691	5175	14480
5201 KAB LOMBOK BARAT	517	89	829	350	1785	677	123	1311	1443	3554
5202 KAB LOMBOK TENGAH	451	74	747	284	1556	577	100	1151	1111	2939
5203 KAB LOMBOK TIMUR	557	97	889	403	1946	713	131	1383	1607	3834
5204 KAB SUMBAWA	356	65	468	107	996	473	91	722	420	1706
5205 KAB DOMPU	106	13	216	19	354	143	19	322	69	553
5206 KAB BIMA	376	66	533	141	1116	479	88	802	525	1894
5300 PROP NUA TENGGARA TIMUR	2877	461	4405	790	8533	3824	656	6666	3004	14150
5301 KAB SUMBAWA BARAT	250	39	379	65	733	340	57	585	250	1232
5302 KAB SUMBA TIMUR	147	21	242	23	433	192	29	352	80	653
5303 KAB KUPANG	441	83	560	149	1333	602	122	887	605	2216
5304 KAB TIMOR TENGAH SELATAN	299	49	440	89	877	400	70	677	342	1489
5305 KAB TIMOR TENGAH UTARA	143	19	259	27	448	188	27	379	95	689
5306 KAB BELU	183	26	316	43	568	244	37	475	158	914
5307 KAB ALOR	133	18	242	23	416	158	22	329	68	577
5308 KAB FLORES TIMUR	258	40	404	74	776	336	55	605	269	1265
5309 KAB SIKKA	203	29	358	57	647	263	39	531	203	1036
5310 KAB ENDEH	194	27	336	49	606	244	36	485	166	931
5311 KAB NGADA	182	26	307	40	555	246	38	465	151	900
5312 KAB MANGGARAI	444	84	562	151	1241	611	124	896	617	2248
5400 PROP TIMOR TIMUR	587	56	750	0	1393	799	84	1050	5	1938