

**Table 2.2 Condition of River Basin (17/120)**

(1) River Basin Code = 1150 (2) River Basin Name = Rokan  
 (3) River Basin Area = 22,704 km<sup>2</sup> (4) Representative Province = Riau  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
1202	Tapanuli Selatan	3,158		
1205	Labuhan Batu	983		
1308	Pasaman	2,550		
1404	Kampar	6,320		
1405	Bengkalis	9,749		

(6) Rainfall  
 a) Annual Rainfall = 2,724 mm  
 b) Coefficient of Variation = 0.33

(7) Vegetation

a) Forested Land	b) Wet Paddy Field	Irrigation	Population	Rainfall
17,791 km <sup>2</sup>	180 km <sup>2</sup>	334 km <sup>2</sup>	667 km <sup>2</sup>	1,053 km <sup>2</sup>
			349 km <sup>2</sup>	136 km <sup>2</sup>
			1,029 km <sup>2</sup>	1,166 km <sup>2</sup>

(8) Population

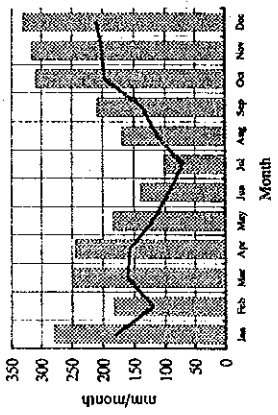
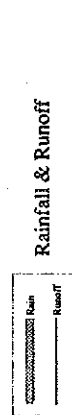
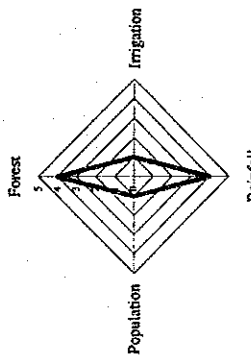
Urban	Rural	Total	Density
130,873	640,694	771,567	34

(9) Livestock

Cattle/Bufallo	Sheep/Goat	Pig	Poultry
75,600 heads	65,300 heads	123,200 heads	2,362,000 heads

(10) Type of Size : Large

(11) Type of Development : Development



**Table 2.2 Condition of River Basin (18/120)**

(1) River Basin Code = 1161 (2) River Basin Name = Rokan  
 (3) River Basin Area = 17,474 km<sup>2</sup> (4) Representative Province = Riau  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
1404	Kampar	4,512 km <sup>2</sup>		
1405	Bengkalis	12,277 km <sup>2</sup>		
1471	Kotamadya Pekanbaru	296 km <sup>2</sup>		

(6) Rainfall  
 a) Annual Rainfall = 2,544 mm  
 b) Coefficient of Variation = 0.25

(7) Vegetation

a) Forested Land	b) Wet Paddy Field	Irrigation	Population	Rainfall
13,924 km <sup>2</sup>	12 km <sup>2</sup>	206 km <sup>2</sup>	691 km <sup>2</sup>	934 km <sup>2</sup>
			167 km <sup>2</sup>	7 km <sup>2</sup>
			915 km <sup>2</sup>	618 km <sup>2</sup>

(8) Population

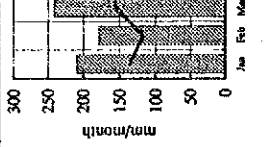
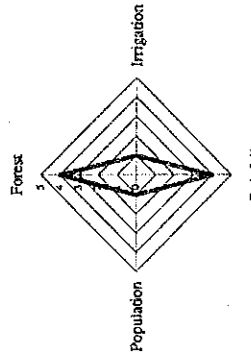
Urban	Rural	Total	Density
244,643	350,072	594,715	34

(9) Livestock

Cattle/Bufallo	Sheep/Goat	Pig	Poultry
24,600 heads	28,800 heads	11,000 heads	835,000 heads

(10) Type of Size : Large

(11) Type of Development : Development



**Table 2.2 Condition of River Basin (19/120)**

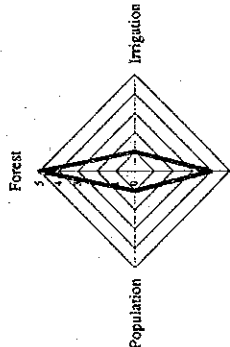
(1) River Basin Code = 1171 (2) River Basin Name = Kampar  
 (3) River Basin Area = 31,232 km<sup>2</sup> (4) Representative Province = Riau  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area	
1303	Sawahlunto/Sijunjung	120 km <sup>2</sup>	1404	Kampar	19,920
1307	Limapuluh Koto	1,890 km <sup>2</sup>	1405	Bengkalis	2,462
1308	Pasaman	590 km <sup>2</sup>	1471	Kotamadya Pekanbaru	479
1401	Indragiri Hulu	3,251 km <sup>2</sup>			
1402	Indragiri Hilir	2,429 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 2,884 mm  
 b) Coefficient of Variation = 0.28

(7) Vegetation

a) Forested Land	b) Wet Paddy Field	c) Upland Field
25,203 km <sup>2</sup>	182 km <sup>2</sup>	871 km <sup>2</sup>
Irrigation	Rainfed/Tidal/Swamp	Garden/Dryfield
477 km <sup>2</sup>	1,409 km <sup>2</sup>	Shifting Cultivation
407 km <sup>2</sup>	House Compound	60 km <sup>2</sup>
1,054 km <sup>2</sup>	Swamps/Dyke/Pond	1,569 km <sup>2</sup>
Fallow Land		



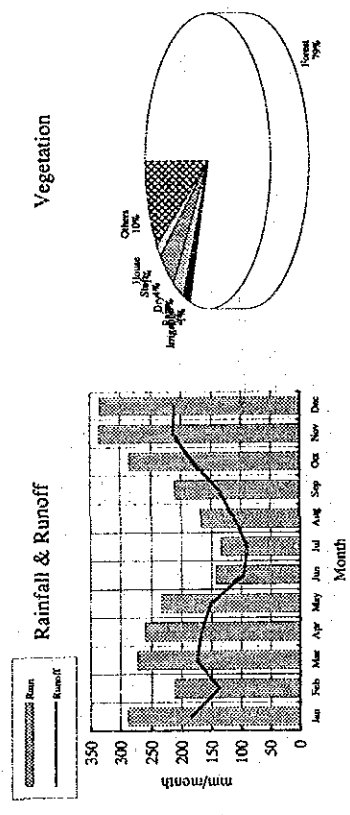
(8) Population

Urban	Rural	Total	Density
272,747	794,550	1,067,297	34

(9) Livestock

Cattle/Bufalo	Sheep/Goat	Pig	Poultry
70,100 heads	59,900 heads	19,300 heads	1,964,800 heads

(10) Type of Size : Large



**Table 2.2 Condition of River Basin (20/120)**

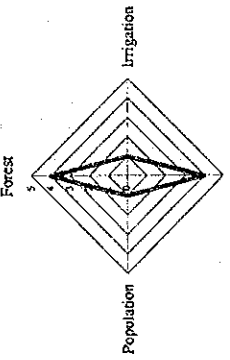
(1) River Basin Code = 1181 (2) River Basin Name = Kampar  
 (3) River Basin Area = 31,594 km<sup>2</sup> (4) Representative Province = Riau  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area	
1302	Solok	2,293 km <sup>2</sup>	1374	Kotamadya Padangpanjang	3
1303	Sawahlunto/Sijunjung	3,154 km <sup>2</sup>	1376	Kotamadya Payakumbuh	73
1304	Tanah Datar	1,345 km <sup>2</sup>	1401	Indragiri Hulu	9,514
1306	Agam	298 km <sup>2</sup>	1402	Indragiri Hilir	8,985
1307	Limapuluh Koto	1,642 km <sup>2</sup>	1404	Kampar	80
1371	Kotamadya Padang	55 km <sup>2</sup>	1502	Bungo Tebo	152

(6) Rainfall  
 a) Annual Rainfall = 2,688 mm  
 b) Coefficient of Variation = 0.31

(7) Vegetation

a) Forested Land	b) Wet Paddy Field	c) Upland Field
23,295 km <sup>2</sup>	506 km <sup>2</sup>	384 km <sup>2</sup>
Irrigation	Rainfed/Tidal/Swamp	House Compound
1,490 km <sup>2</sup>	1,078 km <sup>2</sup>	124 km <sup>2</sup>
Garden/Dryfield	2,949 km <sup>2</sup>	716 km <sup>2</sup>
Shifting Cultivation	Glass Land	1,051 km <sup>2</sup>
384 km <sup>2</sup>	House Compound	
124 km <sup>2</sup>	Swamps/Dyke/Pond	
716 km <sup>2</sup>	Fallow Land	



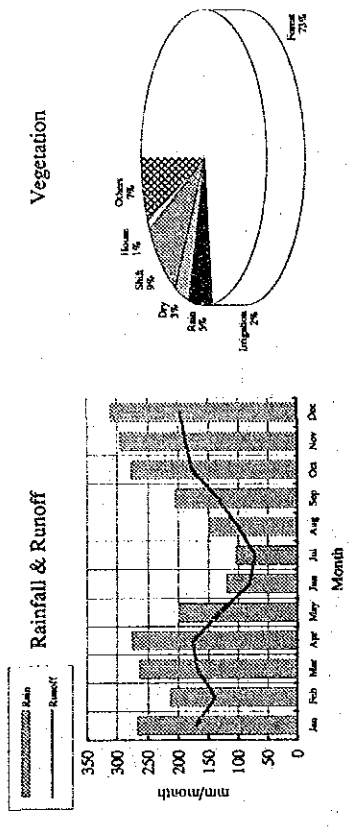
(8) Population

Urban	Rural	Total	Density
222,043	1,509,712	1,731,755	55

(9) Livestock

Cattle/Bufalo	Sheep/Goat	Pig	Poultry
140,500 heads	84,400 heads	15,900 heads	3,253,400 heads

(10) Type of Size : Large

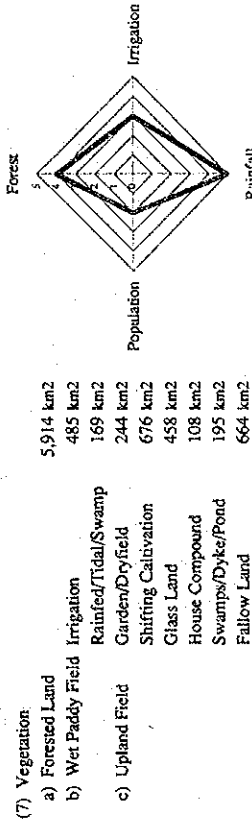
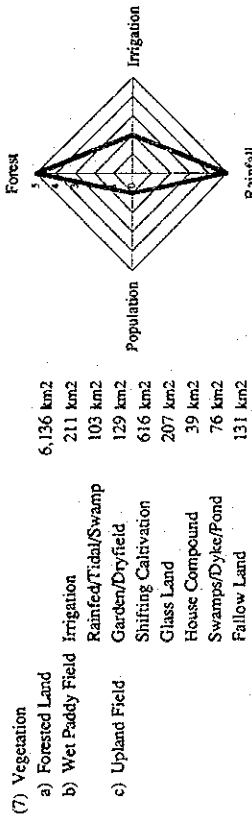


**Table 2.2 Condition of River Basin (21/120)**

(1) River Basin Code = 1191 (2) River Basin Name = Siliut  
 (3) River Basin Area = 7,649 km<sup>2</sup> (4) Representative Province = Sumatera Barat  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
1301	Pasisir Selatan	7,323 km <sup>2</sup>			
1302	Solok	324 km <sup>2</sup>			
1305	Padang Periaman	714 km <sup>2</sup>			
1371	Kotamadya Padang	70 km <sup>2</sup>			
1501	Kerinci	554 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 4,224 mm (11) Type of Development : Development  
 b) Coefficient of Variation = 0.27



**Table 2.2 Condition of River Basin (22/120)**

(1) River Basin Code = 1201 (2) River Basin Name = Siliut  
 (3) River Basin Area = 8,914 km<sup>2</sup> (4) Representative Province = Sumatera Barat  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
1302	Solok	105 km <sup>2</sup>	1308	Pasaman	5,264
1304	Tarah Datar	312 km <sup>2</sup>	1371	Kotamadya Padang	788
1305	Padang Periaman	1,667 km <sup>2</sup>	1374	Kotamadya Padangpanjang	29
1306	Agam	2,345 km <sup>2</sup>	1375	Kotamadya Bukittinggi	24
1307	Limapuluh Koto	64 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 3,572 mm (11) Type of Development : Development  
 b) Coefficient of Variation = 0.29

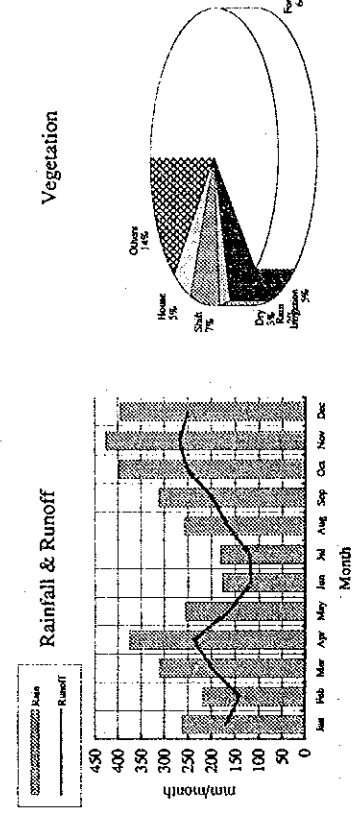
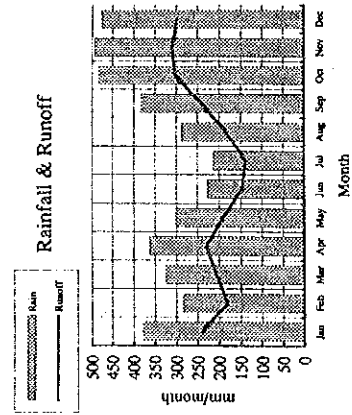
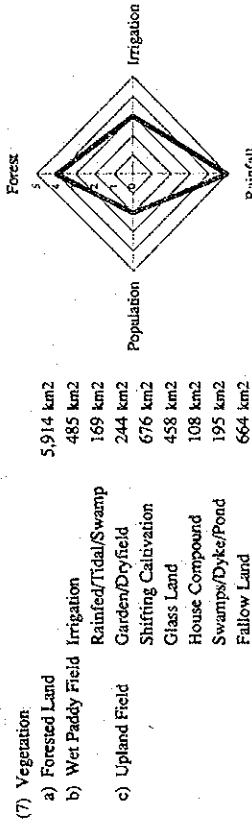


Table 2.2 Condition of River Basin (23/120)

(1) River Basin Code = 1210 (2) River Basin Name = Bt Hari  
 (3) River Basin Area = 44,554 km<sup>2</sup> (4) Representative Province = Jambi  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area	
1301	Pasisir Selatan	274 km <sup>2</sup>	1502	Bungo Tebo	9,739
1302	Solok	5,580 km <sup>2</sup>	1503	Sarolangun Bangko	11,024
1303	Sawahlunto/Sijunjung	3,928 km <sup>2</sup>	1504	Batanghari	6,363
1401	Indragiri Hulu	142 km <sup>2</sup>	1505	Tanjung Jabung	3,700
1501	Kerinci	2,512 km <sup>2</sup>	1571	Kotamadya Jambi	143

(6) Rainfall  
 a) Annual Rainfall = 2,858 mm  
 b) Coefficient of Variation = 0.29

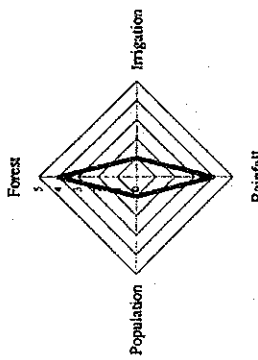
(7) Vegetation

a) Forested Land	Area	Population
Wet Paddy Field	34,045 km <sup>2</sup>	470 km <sup>2</sup>
Rainfed/Tidal/Swamp	1,150 km <sup>2</sup>	1,703 km <sup>2</sup>
Garden/Dryfield	2,975 km <sup>2</sup>	1,219 km <sup>2</sup>
Shifting Cultivation	381 km <sup>2</sup>	474 km <sup>2</sup>
Glass Land	474 km <sup>2</sup>	2,137 km <sup>2</sup>
House Compound		
Swamps/Dyke/Pond		
Fallow Land		

(8) Population  
 Urban 417,697 Cattle/Bufalo 215,600 heads  
 Rural 1,623,619 Sheep/Goat 137,900 heads  
 Total 2,041,316 Pig 8,400 heads  
 Density 46 Poultry 5,020,400 heads

(9) Livestock

(11) Type of Development : Development



(10) Type of Size : Large

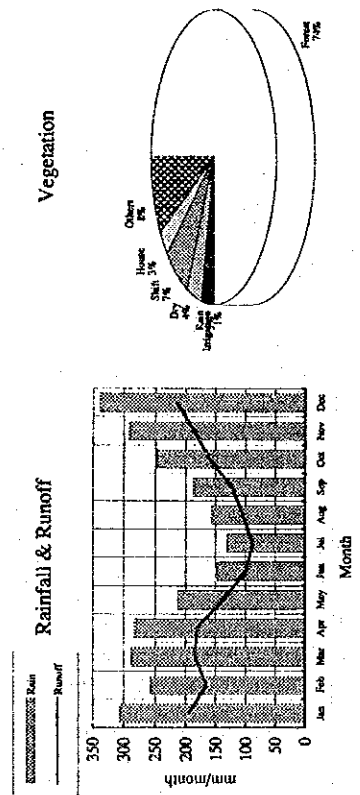


Table 2.2 Condition of River Basin (24/120)

(1) River Basin Code = 1220 (2) River Basin Name = Bt Hari  
 (3) River Basin Area = 10,619 km<sup>2</sup> (4) Representative Province = Jambi  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
1602	Ogan Komering Ilir	9,693 km <sup>2</sup>		
1606	Musi Banyuasin	1,185 km <sup>2</sup>		

(6) Rainfall  
 a) Annual Rainfall = 2,858 mm  
 b) Coefficient of Variation = 0.29

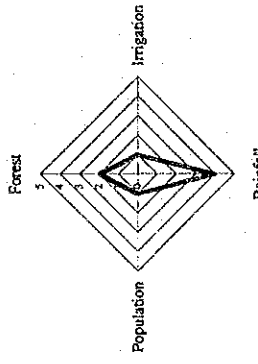
(7) Vegetation

a) Forested Land	Area	Population
Wet Paddy Field	4,363 km <sup>2</sup>	54 km <sup>2</sup>
Rainfed/Tidal/Swamp	524 km <sup>2</sup>	176 km <sup>2</sup>
Garden/Dryfield	205 km <sup>2</sup>	121 km <sup>2</sup>
Shifting Cultivation	121 km <sup>2</sup>	305 km <sup>2</sup>
Glass Land	305 km <sup>2</sup>	4,499 km <sup>2</sup>
House Compound		370 km <sup>2</sup>
Swamps/Dyke/Pond		
Fallow Land		

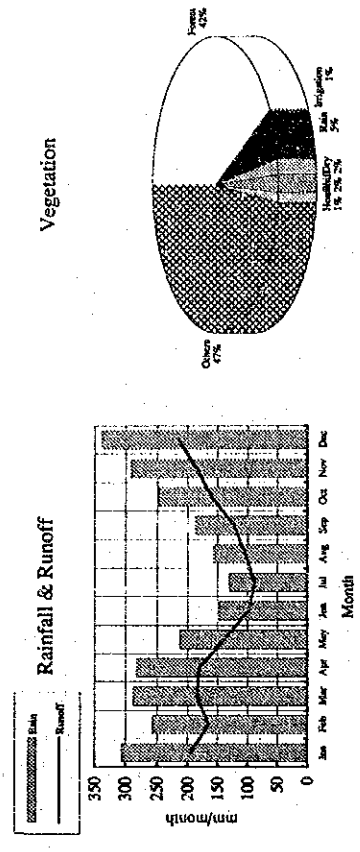
(8) Population  
 Urban 23,215 Cattle/Bufalo 49,200 heads  
 Rural 399,927 Sheep/Goat 58,900 heads  
 Total 423,142 Pig 12,200 heads  
 Density 40 Poultry 962,300 heads

(9) Livestock

(11) Type of Development : Development



(10) Type of Size : Middle



**Table 2.2 Condition of River Basin (25/120)**

(1) River Basin Code = 1241 (2) River Basin Name = Musi  
 (3) River Basin Area = 58,457 km<sup>2</sup> (4) Representative Province = Sumatera Selatan  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
1503	Sarolangun Bangko	714 km <sup>2</sup>	1605 Musi Rawas	12,560
1504	Batanghari	60 km <sup>2</sup>	1606 Musi Banyuasin	11,433
1601	Ogan Komering Ulu	10,595 km <sup>2</sup>	1671 Kotamadya Palembang	308
1602	Ogan Komering Ilir	5,451 km <sup>2</sup>	1701 Bengkulu Selatan	185
1603	Liot/Muasrenim	8,889 km <sup>2</sup>	1702 Rejang Lebong	2,373
1604	Labat	6,888 km <sup>2</sup>	1803 Lampung Utara	257

(6) Rainfall  
 a) Annual Rainfall = 2,837 mm (11) Type of Development : Development  
 b) Coefficient of Variation = 0.37

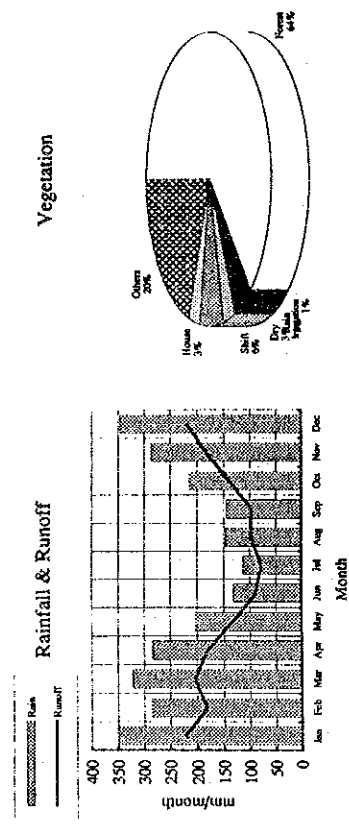
(7) Vegetation

a) Forested Land	b) Wet Paddy Field	c) Upland Field	Population	Rainfall
37,963 km <sup>2</sup>	701 km <sup>2</sup>			
	Irrigation			
	Rainfed/Tidal/Swamp			
	Garden/Dryfield			
	Shifting Cultivation			
	Glass Land			
	House Compound			
	Swamps/Dyke/Pond			
	Fallow Land			

(8) Population

Urban	Rural	Total	Density	(9) Livestock
1,490,346	3,105,603	4,595,949	79	Cattle/Bufalo: 280,300 heads
				Sheep/Goat: 329,800 heads
				Pig: 63,100 heads
				Poultry: 5,721,800 heads

(10) Type of Size : Large



**Table 2.2 Condition of River Basin (26/120)**

(1) River Basin Code = 1242 (2) River Basin Name = Musi  
 (3) River Basin Area = 18,777 km<sup>2</sup> (4) Representative Province = Sumatera Selatan  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
1503	Sarolangun Bangko	138 km <sup>2</sup>		
1504	Batanghari	2,829 km <sup>2</sup>		
1505	Tanjung Jabung	1,163 km <sup>2</sup>		
1606	Musi Banyuasin	14,653 km <sup>2</sup>		

(6) Rainfall  
 a) Annual Rainfall = 2,600 mm (11) Type of Development : Development  
 b) Coefficient of Variation = 0.35

(7) Vegetation

a) Forested Land	b) Wet Paddy Field	c) Upland Field	Population	Rainfall
15,321 km <sup>2</sup>	11 km <sup>2</sup>			
	Irrigation			
	Rainfed/Tidal/Swamp			
	Garden/Dryfield			
	Shifting Cultivation			
	Glass Land			
	House Compound			
	Swamps/Dyke/Pond			
	Fallow Land			

(8) Population

Urban	Rural	Total	Density	(9) Livestock
27,196	593,558	620,754	33	Cattle/Bufalo: 79,600 heads
				Sheep/Goat: 90,900 heads
				Pig: 17,000 heads
				Poultry: 1,654,100 heads

(10) Type of Size : Middle

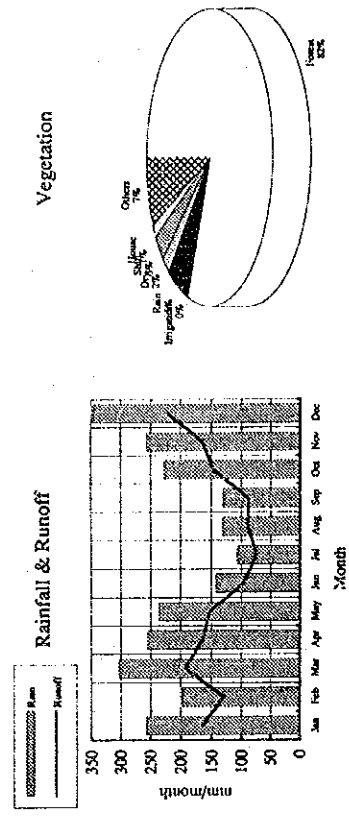


Table 2.2 Condition of River Basin (27/120)

(1) River Basin Code = 1250 (2) River Basin Name = Mesuji Tl.Bawang  
 (3) River Basin Area = 16,610 km<sup>2</sup> (4) Representative Province = Lampung  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
1601	Ogan Komering Ulu	299 km <sup>2</sup>			
1602	Ogan Komering Ilir	4,287 km <sup>2</sup>			
1803	Lampung Utara	12,082 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 2,442 mm  
 b) Coefficient of Variation = 0.46

(11) Type of Development : Development

(7) Vegetation

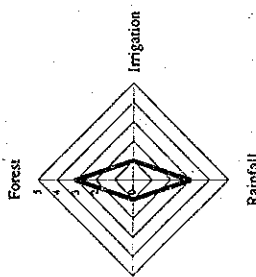
a) Forested Land	8,539 km <sup>2</sup>
b) Wet Paddy Field	179 km <sup>2</sup>
Rainfed/Tidal/Swamp	351 km <sup>2</sup>
Garden/Dryfield	537 km <sup>2</sup>
Shifting Cultivation	1,265 km <sup>2</sup>
Glass Land	930 km <sup>2</sup>
House Compound	169 km <sup>2</sup>
Swamps/Dyke/Pond	2,577 km <sup>2</sup>
Fallow Land	2,062 km <sup>2</sup>

Population

Urban	52,591
Rural	1,250,604
Total	1,303,195
Density	78

(9) Livestock

Cattle/Bufalo	116,200 heads
Sheep/Goat	145,300 heads
Pig	13,000 heads
Poultry	4,183,900 heads



(8) Population  
 Urban 52,591 Cattle/Bufalo 116,200 heads  
 Rural 1,250,604 Sheep/Goat 145,300 heads  
 Total 1,303,195 Pig 13,000 heads  
 Density 78 Poultry 4,183,900 heads

(10) Type of Size : Middle

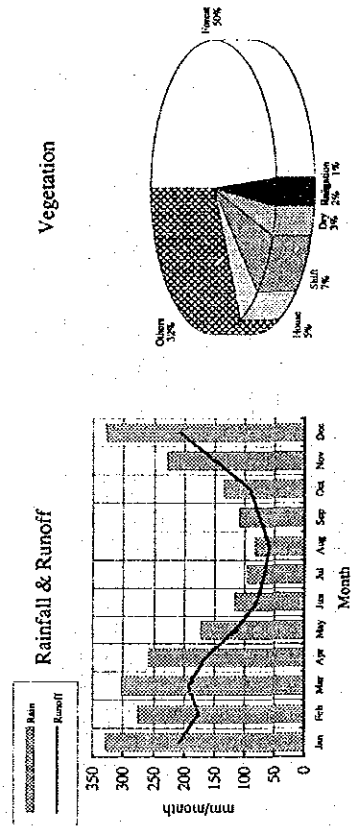


Table 2.2 Condition of River Basin (28/120)

(1) River Basin Code = 1261 (2) River Basin Name = Mesuji Tl.Bawang  
 (3) River Basin Area = 8,631 km<sup>2</sup> (4) Representative Province = Lampung  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
1801	Lampung Selatan	319 km <sup>2</sup>			
1802	Lampung Tengah	6,645 km <sup>2</sup>			
1803	Lampung Utara	1,653 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 2,335 mm  
 b) Coefficient of Variation = 0.48

(11) Type of Development : Development

(7) Vegetation

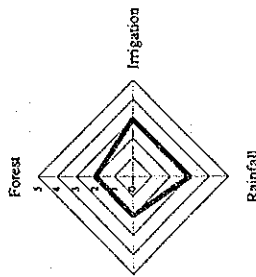
a) Forested Land	3,688 km <sup>2</sup>
b) Wet Paddy Field	715 km <sup>2</sup>
Rainfed/Tidal/Swamp	225 km <sup>2</sup>
Garden/Dryfield	870 km <sup>2</sup>
Shifting Cultivation	2,117 km <sup>2</sup>
Glass Land	285 km <sup>2</sup>
House Compound	7 km <sup>2</sup>
Swamps/Dyke/Pond	269 km <sup>2</sup>
Fallow Land	456 km <sup>2</sup>

Population

Urban	110,219
Rural	1,625,498
Total	1,735,717
Density	201

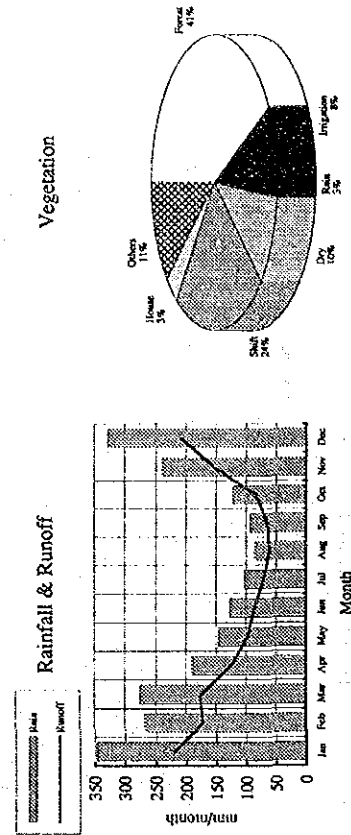
(9) Livestock

Cattle/Bufalo	67,900 heads
Sheep/Goat	85,700 heads
Pig	5,600 heads
Poultry	2,687,100 heads



(8) Population  
 Urban 110,219 Cattle/Bufalo 67,900 heads  
 Rural 1,625,498 Sheep/Goat 85,700 heads  
 Total 1,735,717 Pig 5,600 heads  
 Density 201 Poultry 2,687,100 heads

(10) Type of Size : Middle



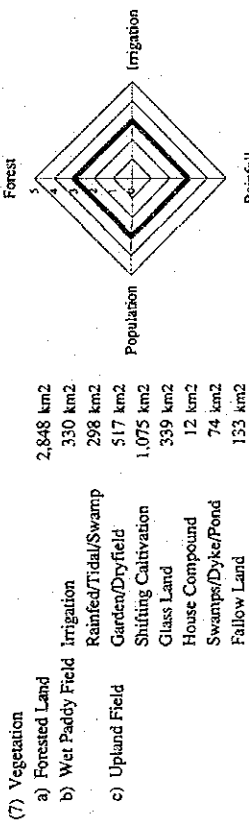
**Table 2.2 Condition of River Basin (29/120)**

- (1) River Basin Code = 1262 (2) River Basin Name = Sekampung  
 (3) River Basin Area = 5,627 km<sup>2</sup> (4) Representative Province = Lampung  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
1801	Lampung Selatan	3,738 km <sup>2</sup>			
1802	Lampung Tengah	1,766 km <sup>2</sup>			
1871	Kotamadya Bandar Lan	100 km <sup>2</sup>			

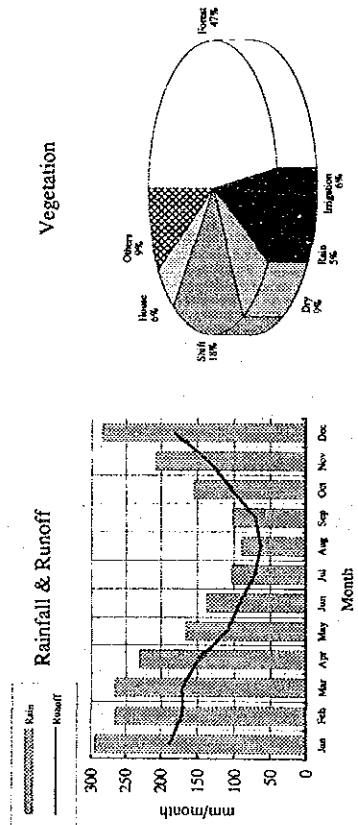
- (6) Rainfall  
 a) Annual Rainfall = 2,309 mm  
 b) Coefficient of Variation = 0.39

(11) Type of Development : Conservation



- (8) Population  
 Urban 431,643  
 Rural 1,464,603  
 Total 1,896,246  
 Density 337
- (9) Livestock  
 Cattle/Bufalo 44,300 heads  
 Sheep/Goat 55,900 heads  
 Pig 3,700 heads  
 Poultry 1,752,100 heads

(10) Type of Size : Middle



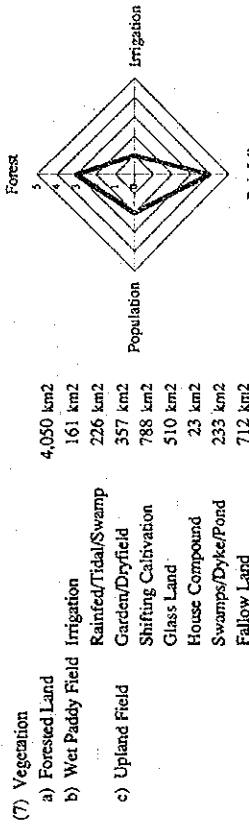
**Table 2.2 Condition of River Basin (30/120)**

- (1) River Basin Code = 1270 (2) River Basin Name = Sekampung  
 (3) River Basin Area = 7,060 km<sup>2</sup> (4) Representative Province = Lampung  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
1601	Ogan Komering Ulu	65 km <sup>2</sup>			
1701	Bengkulu Selatan	233 km <sup>2</sup>			
1801	Lampung Selatan	2,652 km <sup>2</sup>			
1803	Lampung Utara	4,062 km <sup>2</sup>			
1871	Kotamadya Bandar Lan	51 km <sup>2</sup>			

- (6) Rainfall  
 a) Annual Rainfall = 2,697 mm  
 b) Coefficient of Variation = 0.26

(11) Type of Development : Conservation



- (8) Population  
 Urban 164,798  
 Rural 1,091,480  
 Total 1,256,278  
 Density 178
- (9) Livestock  
 Cattle/Bufalo 55,500 heads  
 Sheep/Goat 69,500 heads  
 Pig 4,500 heads  
 Poultry 2,168,600 heads

(10) Type of Size : Small

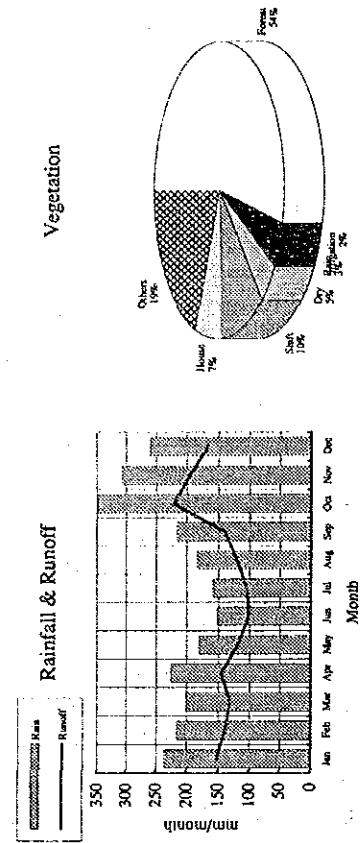


Table 2.2 Condition of River Basin (31/120)

(1) River Basin Code = 1280 (2) River Basin Name = Kanal-Alas Talo  
 (3) River Basin Area = 7,986 km<sup>2</sup> (4) Representative Province = Bengkulu  
 (5) Regency

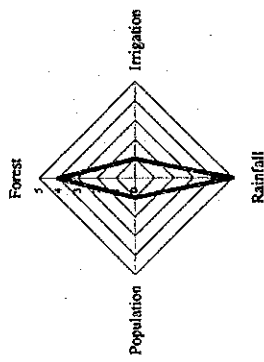
Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
1601	Ogan Komering Ulu	103 km <sup>2</sup>			
1701	Bengkulu Selatan	7,403 km <sup>2</sup>			
1702	Rejang Lebong	86 km <sup>2</sup>			
1703	Bengkulu Utara	278 km <sup>2</sup>			
1771	Kotamadya Bengkulu	166 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 3,463 mm  
 b) Coefficient of Variation = 0.29

(7) Vegetation

a) Forested Land	b) Wet Paddy Field	c) Upland Field	Population	Irrigation	Rainfall
5,857 km <sup>2</sup>	167 km <sup>2</sup>				
	Irrigation				
	Rainfed/Tidal/Swamp				
	Garden/Dryfield				
	Shifting Cultivation				
	Glass Land				
	House Compound				
	Swamps/Dyke/Pond				
	Fallow Land				

(11) Type of Development : Development



(8) Population

Urban	Rural	Total	Density	(9) Livestock
169,107	314,779	483,886	61	Cattle/Bufalo: 69,700 heads
				Sheep/Goat: 68,200 heads
				Pig: 500 heads
				Poultry: 1,916,700 heads

(10) Type of Size : Small

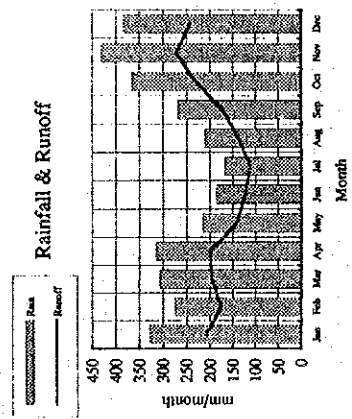


Table 2.2 Condition of River Basin (32/120)

(1) River Basin Code = 1290 (2) River Basin Name = Kanal-Alas Talo  
 (3) River Basin Area = 6,475 km<sup>2</sup> (4) Representative Province = Bengkulu  
 (5) Regency

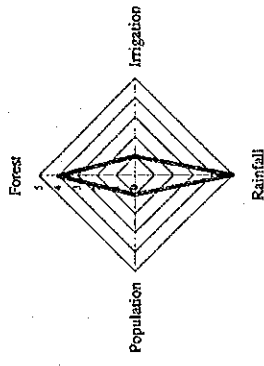
Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
1702	Rejang Lebong	1,810 km <sup>2</sup>			
1703	Bengkulu Utara	4,693 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 3,961 mm  
 b) Coefficient of Variation = 0.26

(7) Vegetation

a) Forested Land	b) Wet Paddy Field	c) Upland Field	Population	Irrigation	Rainfall
5,134 km <sup>2</sup>	142 km <sup>2</sup>				
	Irrigation				
	Rainfed/Tidal/Swamp				
	Garden/Dryfield				
	Shifting Cultivation				
	Glass Land				
	House Compound				
	Swamps/Dyke/Pond				
	Fallow Land				

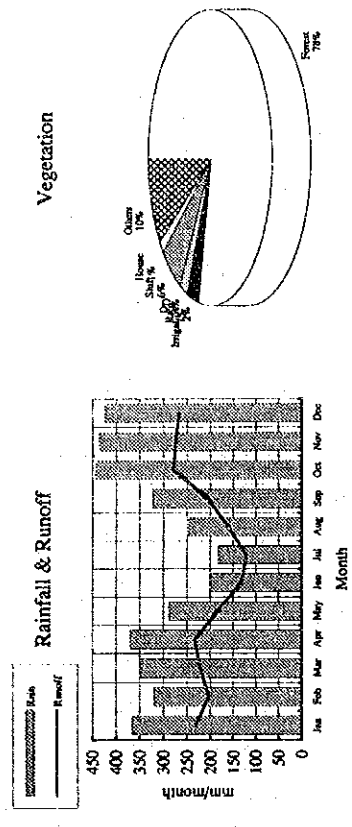
(11) Type of Development : Development



(8) Population

Urban	Rural	Total	Density	(9) Livestock
32,324	305,997	338,321	52	Cattle/Bufalo: 56,800 heads
				Sheep/Goat: 55,500 heads
				Pig: 300 heads
				Poultry: 1,564,500 heads

(10) Type of Size : Small





**Table 2.2 Condition of River Basin (33/120)**

(1) River Basin Code = 1500 (2) River Basin Name = Ipuj-Temarang  
 (3) River Basin Area = 5,062 km<sup>2</sup> (4) Representative Province = Bengkulu  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
1501	Kerinci	207 km <sup>2</sup>			
1503	Sarolangun Bangko	869 km <sup>2</sup>			
1703	Bengkulu Utara	3,906 km <sup>2</sup>			

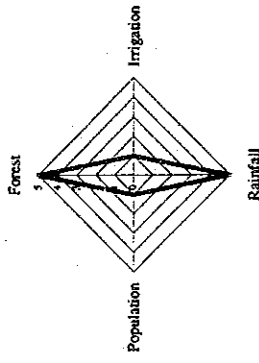
(6) Rainfall

a) Annual Rainfall = 3,304 mm  
 b) Coefficient of Variation = 0.32

(11) Type of Development : Development

(7) Vegetation

a) Forested Land	4,069 km <sup>2</sup>
b) Wet Paddy Field	70 km <sup>2</sup>
Irrigation	49 km <sup>2</sup>
Rainfed/Tidal/Swamp	101 km <sup>2</sup>
c) Upland Field	209 km <sup>2</sup>
Garden/Dryfield	93 km <sup>2</sup>
Shifting Cultivation	11 km <sup>2</sup>
Glass Land	83 km <sup>2</sup>
House Compound	376 km <sup>2</sup>
Swamps/Dyke/Pond	
Fallow Land	



(8) Population

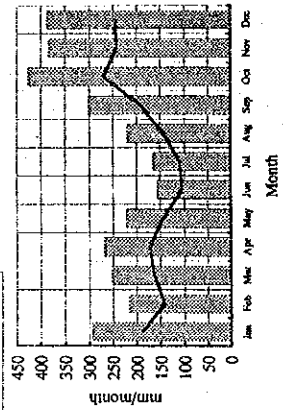
Urban	8,463
Rural	186,366
Total	194,829
Density	38

Cattle/Bufalo	37,900 heads
Sheep/Goat	36,400 heads
Pig	300 heads
Poultry	1,040,700 heads

(10) Type of Size : Small



**Rainfall & Runoff**



**Vegetation**

**Table 2.2 Condition of River Basin (34/120)**

(1) River Basin Code = 2011 (2) River Basin Name = Ipuj-Temarang  
 (3) River Basin Area = 2,474 km<sup>2</sup> (4) Representative Province = Bengkulu  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
3201	Pandeglang	1,134 km <sup>2</sup>			
3202	Lebak	294 km <sup>2</sup>			
3220	Serang	1,037 km <sup>2</sup>			

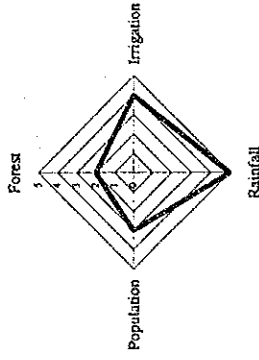
(6) Rainfall

a) Annual Rainfall = 3,010 mm  
 b) Coefficient of Variation = 0.42

(11) Type of Development : Development

(7) Vegetation

a) Forested Land	842 km <sup>2</sup>
b) Wet Paddy Field	313 km <sup>2</sup>
Irrigation	218 km <sup>2</sup>
Rainfed/Tidal/Swamp	208 km <sup>2</sup>
c) Upland Field	468 km <sup>2</sup>
Garden/Dryfield	201 km <sup>2</sup>
Shifting Cultivation	6 km <sup>2</sup>
Glass Land	48 km <sup>2</sup>
House Compound	170 km <sup>2</sup>
Swamps/Dyke/Pond	
Fallow Land	



(8) Population

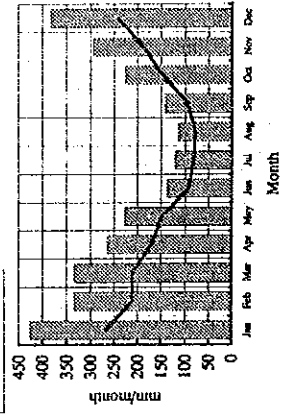
Urban	163,803
Rural	1,000,077
Total	1,163,880
Density	470

Cattle/Bufalo	40,100 heads
Sheep/Goat	250,100 heads
Pig	2,000 heads
Poultry	2,366,200 heads

(10) Type of Size : Small



**Rainfall & Runoff**



**Vegetation**

**Table 2.2 Condition of River Basin (35/120)**

(1) River Basin Code = 2012 (2) River Basin Name = Cijujung  
 (3) River Basin Area = 2,499 km<sup>2</sup> (4) Representative Province = Jawa Barat

(5) Regency

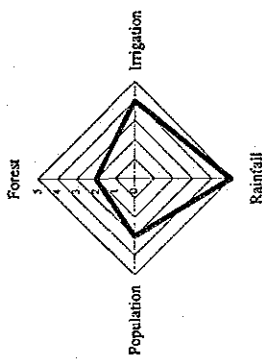
Code	Name of Kabupaten	Area	Name of Kabupaten	Code	Name of Kabupaten	Area
3201	Pandeglang	220 km <sup>2</sup>	3171	Jakarta Selatan	117 km <sup>2</sup>	
3202	Lebak	1,207 km <sup>2</sup>	3172	Jakarta Timur	158 km <sup>2</sup>	
3203	Bogor	64 km <sup>2</sup>	3173	Jakarta Pusat	48 km <sup>2</sup>	
3220	Serang	972 km <sup>2</sup>	3174	Jakarta Barat	127 km <sup>2</sup>	
			3175	Jakarta Utara	125 km <sup>2</sup>	

(6) Rainfall  
 a) Annual Rainfall = 3,083 mm  
 b) Coefficient of Variation = 0.28

(11) Type of Development : Conservation

(7) Vegetation

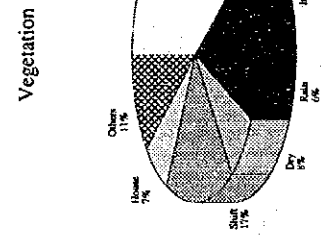
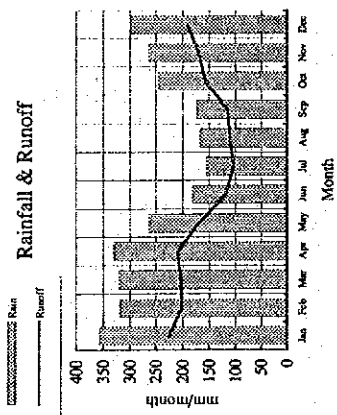
Vegetation	Area	Population	Rainfall
a) Forested Land	1,053 km <sup>2</sup>		
b) Wet Paddy Field	302 km <sup>2</sup>		
c) Upland Field	171 km <sup>2</sup>		
	211 km <sup>2</sup>		
	463 km <sup>2</sup>		
	177 km <sup>2</sup>		
	8 km <sup>2</sup>		
	45 km <sup>2</sup>		
	68 km <sup>2</sup>		



(8) Population

Population	Livestock
Urban	Cattle/Bufalo
Rural	Sheep/Goat
Total	Pig
Density	Poultry

(10) Type of Size : Middle



**Table 2.2 Condition of River Basin (36/120)**

(1) River Basin Code = 2020 (2) River Basin Name = Cijujung  
 (3) River Basin Area = 4,012 km<sup>2</sup> (4) Representative Province = Jawa Barat

(5) Regency

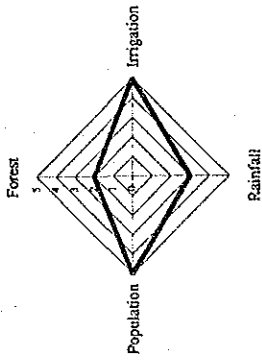
Code	Name of Kabupaten	Area	Name of Kabupaten	Code	Name of Kabupaten	Area
3171	Jakarta Selatan	117 km <sup>2</sup>	3202	Lebak	92	
3172	Jakarta Timur	158 km <sup>2</sup>	3203	Bogor	1,827	
3173	Jakarta Pusat	48 km <sup>2</sup>	3219	Tangerang	1,354	
3174	Jakarta Barat	127 km <sup>2</sup>	3220	Serang	53	
3175	Jakarta Utara	125 km <sup>2</sup>	3271	Kotamadya Bogor	18	

(6) Rainfall  
 a) Annual Rainfall = 2,433 mm  
 b) Coefficient of Variation = 0.41

(11) Type of Development : Conservation

(7) Vegetation

Vegetation	Area	Population	Rainfall
a) Forested Land	1,277 km <sup>2</sup>		
b) Wet Paddy Field	644 km <sup>2</sup>		
c) Upland Field	343 km <sup>2</sup>		
	888 km <sup>2</sup>		
	632 km <sup>2</sup>		
	136 km <sup>2</sup>		
	3 km <sup>2</sup>		
	61 km <sup>2</sup>		
	29 km <sup>2</sup>		



(8) Population

Population	Livestock
Urban	Cattle/Bufalo
Rural	Sheep/Goat
Total	Pig
Density	Poultry

(10) Type of Size : Middle

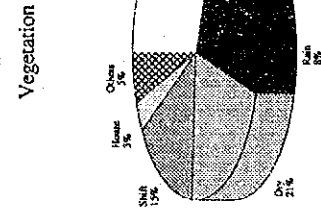
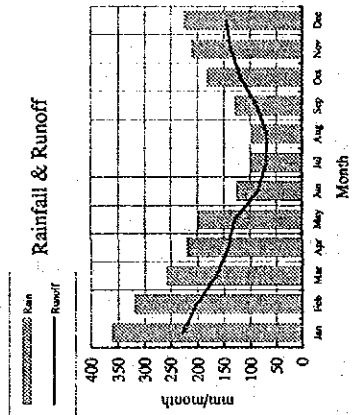


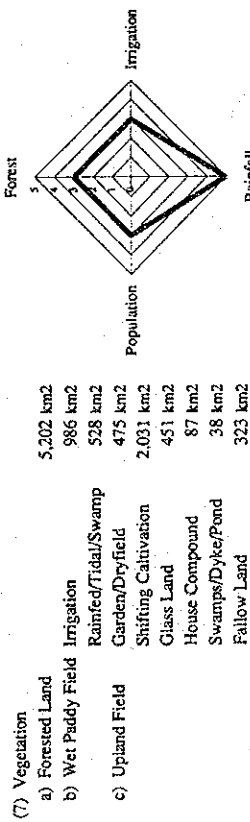
Table 2.2 Condition of River Basin (37/120)

(1) River Basin Code = 2030 (2) River Basin Name = Cisadeg-Cikuningan  
 (3) River Basin Area = 10,121 km<sup>2</sup> (4) Representative Province = Jawa Barat

(5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
3201	Pardeglang	1,437 km <sup>2</sup>	3206 Bandung	336
3202	Lebak	1,821 km <sup>2</sup>	3272 Kotamadya Sukabumi	10
3203	Bogor	344 km <sup>2</sup>		
3204	Sukabumi	4,172 km <sup>2</sup>		
3205	Cianjur	1,966 km <sup>2</sup>		

(6) Rainfall  
 a) Annual Rainfall = 3,511 mm  
 b) Coefficient of Variation = 0.44



(8) Population

Urban	Rural	Total	Density
996,915	3,582,274	4,579,189	452

(9) Livestock

Cattle/Bufalo	Sheep/Goat	Pig	Poultry
164,100 heads	1,022,800 heads	8,200 heads	9,678,900 heads

(10) Type of Size : Small

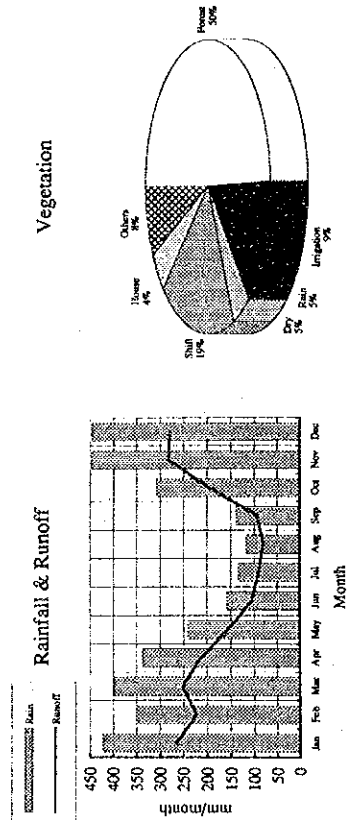


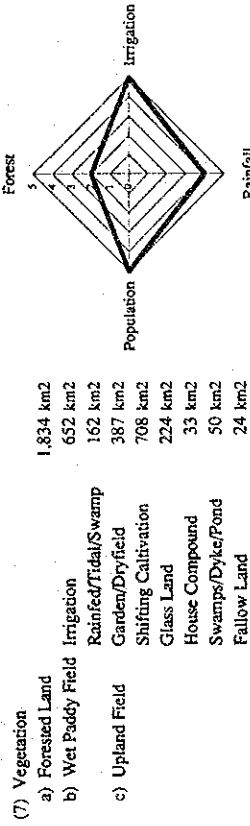
Table 2.2 Condition of River Basin (38/120)

(1) River Basin Code = 2041 (2) River Basin Name = Cisadeg-Cikuningan  
 (3) River Basin Area = 4,073 km<sup>2</sup> (4) Representative Province = Jawa Barat

(5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
3203	Bogor	163 km <sup>2</sup>	3216 Purwakarta	132
3205	Cianjur	1,073 km <sup>2</sup>	3273 Kotamadya Bandung	77
3206	Bandung	2,234 km <sup>2</sup>		
3213	Sumedang	245 km <sup>2</sup>		
3215	Subang	120 km <sup>2</sup>		

(6) Rainfall  
 a) Annual Rainfall = 2,512 mm  
 b) Coefficient of Variation = 0.59



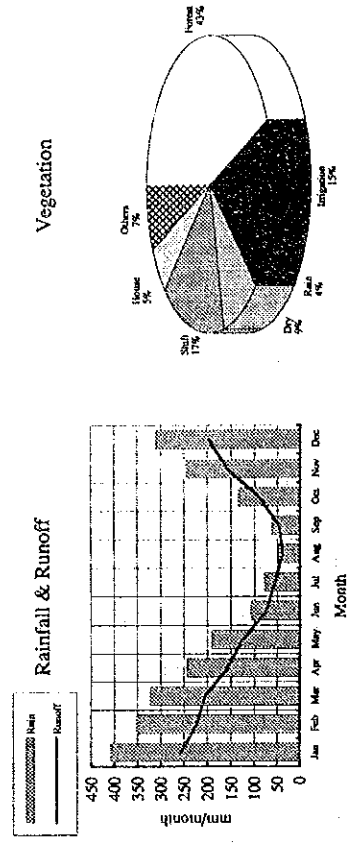
(8) Population

Urban	Rural	Total	Density
3,155,895	2,165,119	5,321,014	1,306

(9) Livestock

Cattle/Bufalo	Sheep/Goat	Pig	Poultry
65,900 heads	410,800 heads	3,300 heads	3,887,100 heads

(10) Type of Size : Middle



**Table 2.2 Condition of River Basin (39/120)**

(1) River Basin Code = 2042 (2) River Basin Name = Citarum Hilir  
 (3) River Basin Area = 7,994 km<sup>2</sup> (4) Representative Province = Jawa Barat  
 (5) Regency

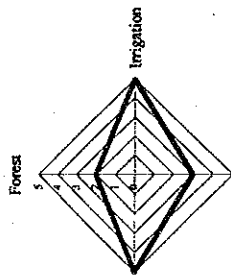
Code	Name of Kabupaten	Area	Name of Kabupaten	Area
3172	Jakarta Timur	13 km <sup>2</sup>	3215	Subang
3175	Jakarta Utara	2 km <sup>2</sup>	3216	Purwakarta
3203	Bogor	830 km <sup>2</sup>	3217	Karawang
3213	Sumedang	151 km <sup>2</sup>	3218	Belkasi
3214	Indramayu	648 km <sup>2</sup>		

(6) Rainfall  
 a) Annual Rainfall = 2,385 mm  
 b) Coefficient of Variation = 0.46

(11) Type of Development : Management

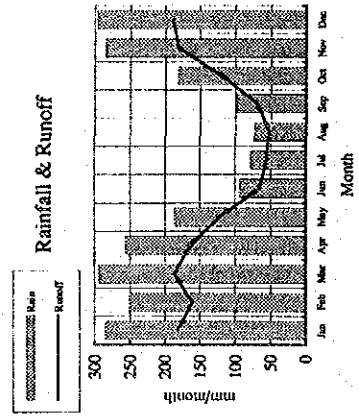
(7) Vegetation

a) Forested Land	b) Wet Paddy Field	c) Upland Field	Population	Rainfall
2,445 km <sup>2</sup>	2,801 km <sup>2</sup>	386 km <sup>2</sup>	1,022 km <sup>2</sup>	165 km <sup>2</sup>
Irrigation	Rainfed/Tidal/Swamp	Garden/Dryfield	Shifting Cultivation	House Compound
			Glass Land	Swamps/Dyke/Pond
				Fallow Land



(8) Population  
 Urban 2,489,712 Cattle/Bufalo 127,300 heads  
 Rural 4,327,355 Sheep/Goat 792,600 heads  
 Total 6,817,067 Pig 7,600 heads  
 Density 853 Poultry 7,527,700 heads

(10) Type of Size : Middle



**Table 2.2 Condition of River Basin (40/120)**

(1) River Basin Code = 2051 (2) River Basin Name = Citarum Hilir  
 (3) River Basin Area = 4,341 km<sup>2</sup> (4) Representative Province = Jawa Barat  
 (5) Regency

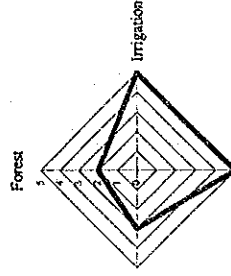
Code	Name of Kabupaten	Area	Name of Kabupaten	Area
3206	Bandung	135 km <sup>2</sup>	3215	Subang
3207	Garut	893 km <sup>2</sup>		
3212	Majalengka	909 km <sup>2</sup>		
3213	Sumedang	1,092 km <sup>2</sup>		
3214	Indramayu	1,238 km <sup>2</sup>		

(6) Rainfall  
 a) Annual Rainfall = 3,070 mm  
 b) Coefficient of Variation = 0.34

(11) Type of Development : Management

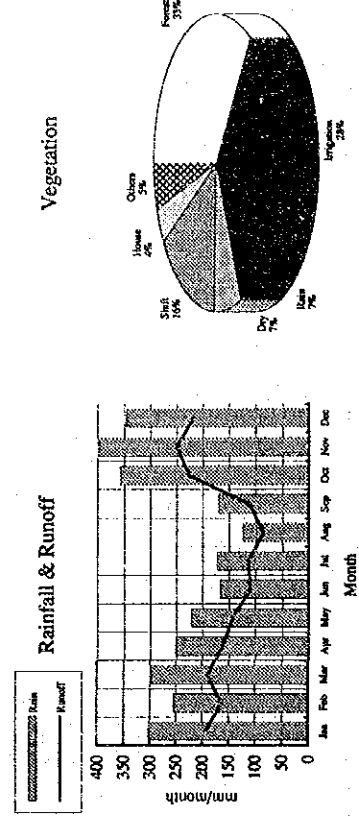
(7) Vegetation

a) Forested Land	b) Wet Paddy Field	c) Upland Field	Population	Rainfall
1,512 km <sup>2</sup>	1,225 km <sup>2</sup>	303 km <sup>2</sup>	696 km <sup>2</sup>	168 km <sup>2</sup>
Irrigation	Rainfed/Tidal/Swamp	Garden/Dryfield	Shifting Cultivation	House Compound
			Glass Land	Swamps/Dyke/Pond
				Fallow Land



(8) Population  
 Urban 483,410 Cattle/Bufalo 70,400 heads  
 Rural 2,413,591 Sheep/Goat 438,700 heads  
 Total 2,897,001 Pig 3,500 heads  
 Density 667 Poultry 4,151,400 heads

(10) Type of Size : Middle



**Table 2.2 Condition of River Basin (41/120)**

(1) River Basin Code = 2052 (2) River Basin Name = Cisanggantung  
 (3) River Basin Area = 2,573 km<sup>2</sup> (4) Representative Province = Jawa Barat  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area	
3210	Kuningan	754 km <sup>2</sup>	3329	Brebes	374
3211	Cirebon	1,105 km <sup>2</sup>			
3212	Majalengka	73 km <sup>2</sup>			
3214	Indramayu	221 km <sup>2</sup>			
3274	Kotamadya Cirebon	33 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 3,832 mm  
 b) Coefficient of Variation = 0.33  
 (11) Type of Development : Management

(7) Vegetation

a) Forested Land	680 km <sup>2</sup>
b) Wet Paddy Field	904 km <sup>2</sup>
c) Upland Field	212 km <sup>2</sup>
Rainfed/Tidal/Swamp	308 km <sup>2</sup>
Garden/Dryfield	262 km <sup>2</sup>
Shifting Cultivation	111 km <sup>2</sup>
Glass Land	18 km <sup>2</sup>
House Compound	65 km <sup>2</sup>
Swamps/Dyke/Pond	13 km <sup>2</sup>
Fallow Land	

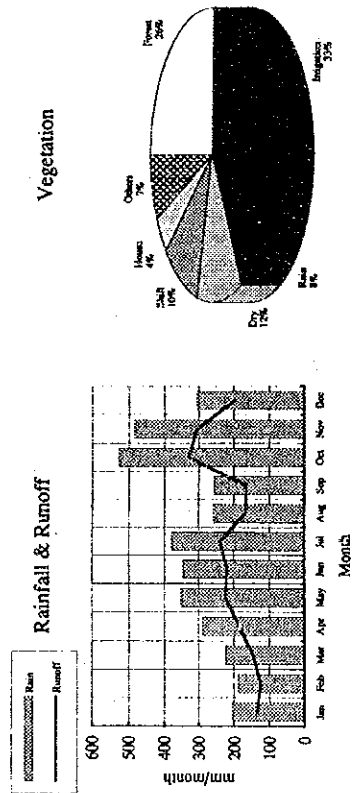
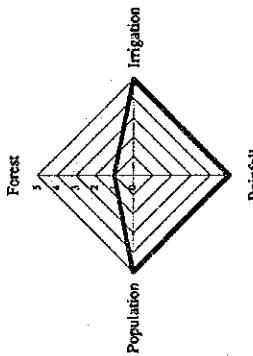
(8) Population

Urban	1,056,835
Rural	1,984,297
Total	3,041,132
Density	1,182

(9) Livestock

Cattle/Bufalo	52,400 heads
Sheep/Goat	263,100 heads
Pig	3,500 heads
Poultry	2,536,600 heads

(10) Type of Size : Small



**Table 2.2 Condition of River Basin (42/120)**

(1) River Basin Code = 2060 (2) River Basin Name = Cisanggantung  
 (3) River Basin Area = 6,510 km<sup>2</sup> (4) Representative Province = Jawa Barat  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
3205	Cianjur	340 km <sup>2</sup>		
3206	Bandung	476 km <sup>2</sup>		
3207	Garut	1,998 km <sup>2</sup>		
3208	Tasikmalaya	2,596 km <sup>2</sup>		
3209	Ciamis	1,078 km <sup>2</sup>		

(6) Rainfall  
 a) Annual Rainfall = 2,767 mm  
 b) Coefficient of Variation = 0.71  
 (11) Type of Development : Management

(7) Vegetation

a) Forested Land	2,793 km <sup>2</sup>
b) Wet Paddy Field	865 km <sup>2</sup>
c) Upland Field	277 km <sup>2</sup>
Rainfed/Tidal/Swamp	412 km <sup>2</sup>
Garden/Dryfield	1,451 km <sup>2</sup>
Shifting Cultivation	413 km <sup>2</sup>
Glass Land	137 km <sup>2</sup>
House Compound	74 km <sup>2</sup>
Swamps/Dyke/Pond	88 km <sup>2</sup>
Fallow Land	

(8) Population

Urban	767,927
Rural	3,165,396
Total	3,933,323
Density	604

(9) Livestock

Cattle/Bufalo	105,500 heads
Sheep/Goat	657,900 heads
Pig	5,300 heads
Poultry	6,225,500 heads

(10) Type of Size : Small

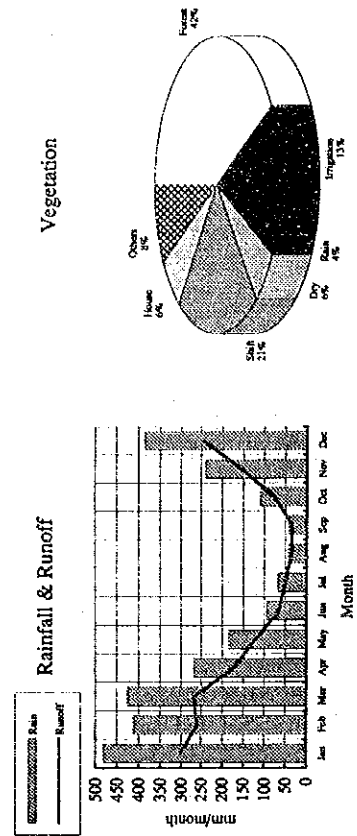
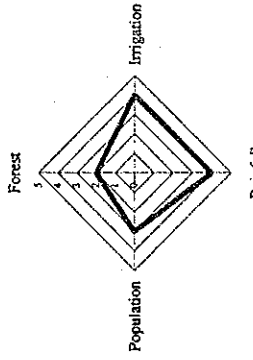


Table 2.2 Condition of River Basin (43/120)

(1) River Basin Code = 2070 (2) River Basin Name = Citanduy  
 (3) River Basin Area = 5,226 km<sup>2</sup> (4) Representative Province = Jawa Tengah  
 (5) Regency

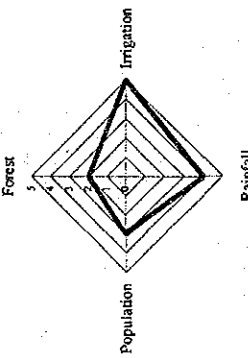
Code	Name of Kabupaten	Area	Name of Kabupaten	Area	
3207	Ganut	57 km <sup>2</sup>	3301	Cilacap	1,909
3208	Tasikmalaya	473 km <sup>2</sup>	3302	Banyumas	184
3209	Ciamis	1,730 km <sup>2</sup>	3329	Brebes	252
3210	Kuningan	295 km <sup>2</sup>			
3212	Majalengka	284 km <sup>2</sup>			

(6) Rainfall

a) Annual Rainfall = 2,932 mm  
 b) Coefficient of Variation = 0.48

(7) Vegetation

a) Forested Land	1,974 km <sup>2</sup>
b) Wet Paddy Field	923 km <sup>2</sup>
c) Upland Field	363 km <sup>2</sup>
Rainfed/Tidal/Swamp	619 km <sup>2</sup>
Garden/Dryfield	1,158 km <sup>2</sup>
Shifting Cultivation	73 km <sup>2</sup>
Glass Land	39 km <sup>2</sup>
House Compound	53 km <sup>2</sup>
Swamps/Dyke/Pond	23 km <sup>2</sup>
Fallow Land	

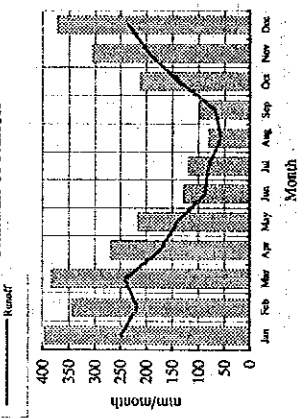


(8) Population

Urban	584,129	Cattle/Bufalo	151,800 heads
Rural	2,755,376	Sheep/Goat	547,600 heads
Total	3,339,505	Pig	11,800 heads
Density	639	Poultry	5,476,800 heads

(10) Type of Size : Middle

Rainfall & Runoff



Vegetation

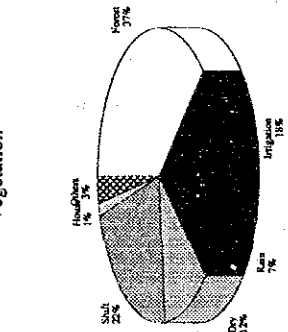


Table 2.2 Condition of River Basin (44/120)

(1) River Basin Code = 2080 (2) River Basin Name = Citanduy  
 (3) River Basin Area = 4,936 km<sup>2</sup> (4) Representative Province = Jawa Tengah  
 (5) Regency

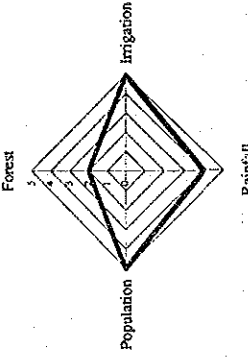
Code	Name of Kabupaten	Area	Name of Kabupaten	Area	
3210	Kuningan	53 km <sup>2</sup>	3328	Tegal	972
3324	Kendal	99 km <sup>2</sup>	3529	Brebes	1,074
3325	Batang	742 km <sup>2</sup>	3375	Kotamadya Pekalongan	18
3326	Pekalongan	938 km <sup>2</sup>	3376	Kotamadya Tegal	32
3327	Pemalang	946 km <sup>2</sup>			

(6) Rainfall

a) Annual Rainfall = 2,734 mm  
 b) Coefficient of Variation = 0.69

(7) Vegetation

a) Forested Land	1,895 km <sup>2</sup>
b) Wet Paddy Field	1,339 km <sup>2</sup>
c) Upland Field	300 km <sup>2</sup>
Rainfed/Tidal/Swamp	618 km <sup>2</sup>
Garden/Dryfield	694 km <sup>2</sup>
Shifting Cultivation	7 km <sup>2</sup>
Glass Land	11 km <sup>2</sup>
House Compound	70 km <sup>2</sup>
Swamps/Dyke/Pond	3 km <sup>2</sup>
Fallow Land	

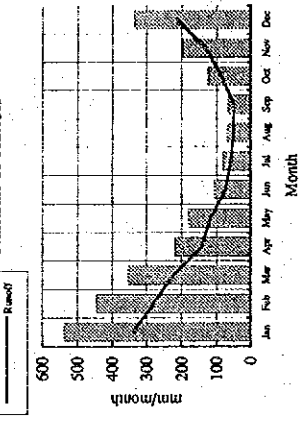


(8) Population

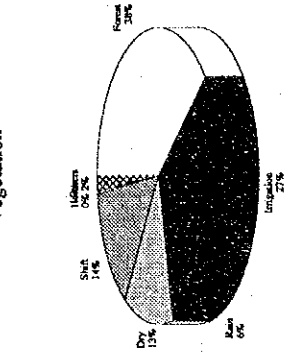
Urban	1,711,061	Cattle/Bufalo	217,900 heads
Rural	3,132,176	Sheep/Goat	538,900 heads
Total	4,843,237	Pig	19,600 heads
Density	981	Poultry	5,705,400 heads

(10) Type of Size : Small

Rainfall & Runoff



Vegetation



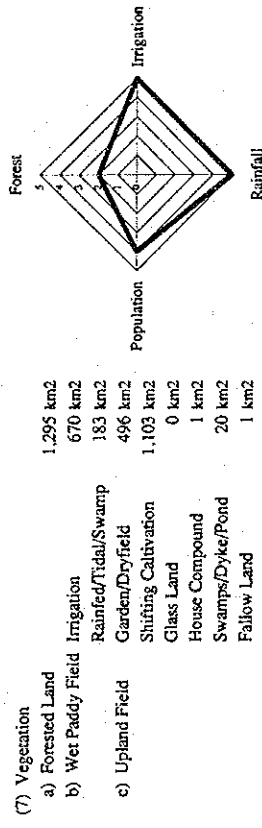
**Table 2.2 Condition of River Basin (45/120)**

(1) River Basin Code = 2091 (2) River Basin Name = Serayu (11) Type of Development : Conservation  
 (3) River Basin Area = 3,769 km<sup>2</sup> (4) Representative Province = Jawa Tengah

(5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
3301	Cilacap	85 km <sup>2</sup>	3326	Pekalongan
3302	Banyumas	971 km <sup>2</sup>	3327	Pemalang
3303	Purbalingga	874 km <sup>2</sup>	3329	Brebes
3304	Banjarnegara	888 km <sup>2</sup>		
3307	Wonosobo	416 km <sup>2</sup>		

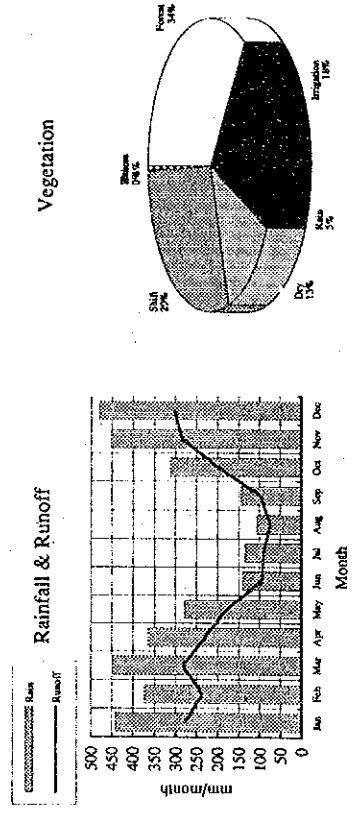
(6) Rainfall  
 a) Annual Rainfall = 3,688 mm (11) Type of Development : Conservation  
 b) Coefficient of Variation = 0.46



(8) Population

Population	Livestock
Urban	Cattle/Bufalo
Rural	Sheep/Goat
Total	Pig
Density	Poultry

(10) Type of Size : Middle



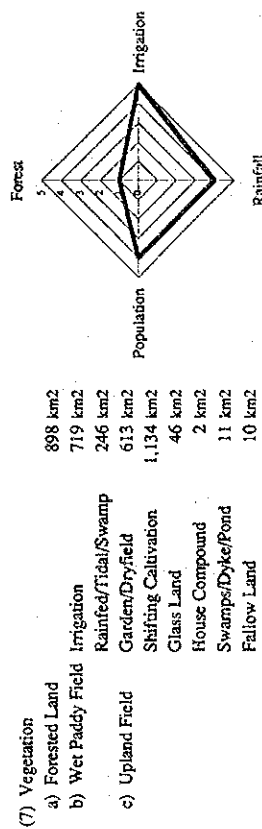
**Table 2.2 Condition of River Basin (46/120)**

(1) River Basin Code = 2092 (2) River Basin Name = Serayn  
 (3) River Basin Area = 3,681 km<sup>2</sup> (4) Representative Province = Jawa Tengah

(5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
3301	Cilacap	256 km <sup>2</sup>	3307	Wonosobo
3302	Banyumas	306 km <sup>2</sup>	3308	Magelang
3304	Banjarnegara	201 km <sup>2</sup>		
3305	Kebumen	1,487 km <sup>2</sup>		
3306	Purworejo	892 km <sup>2</sup>		

(6) Rainfall  
 a) Annual Rainfall = 2,768 mm (11) Type of Development : Conservation  
 b) Coefficient of Variation = 0.53



(8) Population

Population	Livestock
Urban	Cattle/Bufalo
Rural	Sheep/Goat
Total	Pig
Density	Poultry

(10) Type of Size : Small

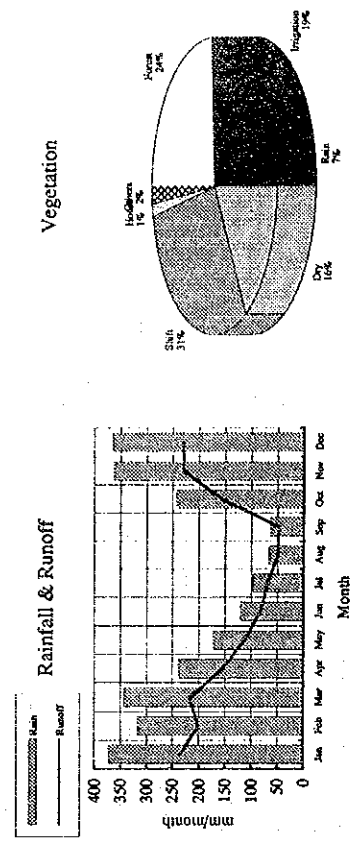


Table 2.2 Condition of River Basin (47/120)

(1) River Basin Code = 2101 (2) River Basin Name = Buyaran  
 (3) River Basin Area = 3,113 km<sup>2</sup> (4) Representative Province = Jawa Tengah  
 (5) Regency

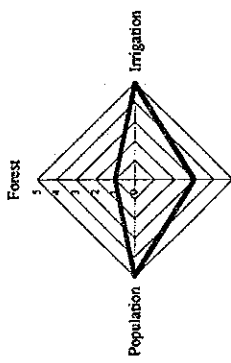
Code	Name of Kabupaten	Area	Name of Kabupaten	Area	
3315	Grobogan	347 km <sup>2</sup>	3373	Kotamadya Salatiga	14
3321	Demak	534 km <sup>2</sup>	3374	Kotamadya Semarang	285
3322	Semarang	882 km <sup>2</sup>			
3323	Temanggung	162 km <sup>2</sup>			
3324	Kendal	845 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 2,245 mm  
 b) Coefficient of Variation = 0.61

(11) Type of Development : Management

(7) Vegetation

a) Forested Land	802 km <sup>2</sup>
b) Wet Paddy Field	609 km <sup>2</sup>
Irrigation	315 km <sup>2</sup>
Rainfed/Tidal/Swamp	558 km <sup>2</sup>
c) Upland Field	733 km <sup>2</sup>
Garden/Dryfield	1 km <sup>2</sup>
Shifting Cultivation	3 km <sup>2</sup>
Glass Land	92 km <sup>2</sup>
House Compound	1 km <sup>2</sup>
Swamps/Dyke/Pond	
Fallow Land	



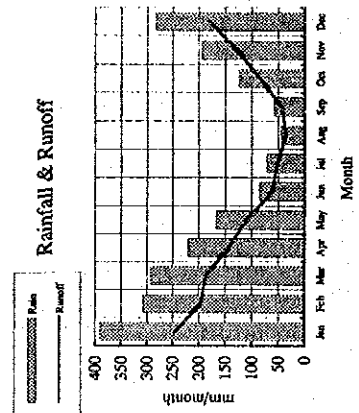
(8) Population

Urban	1,435,449
Rural	1,960,219
Total	3,395,668
Density	1,091

(9) Livestock

Cattle/Bufialo	138,300 heads
Sheep/Goat	340,100 heads
Pig	12,500 heads
Poultry	3,604,200 heads

(10) Type of Size : Small



Rainfall & Runoff

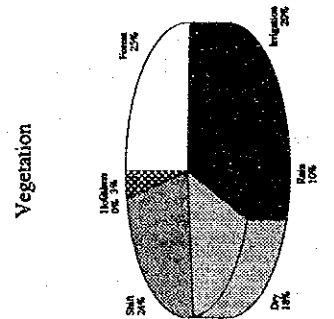


Table 2.2 Condition of River Basin (48/120)

(1) River Basin Code = 2102 (2) River Basin Name = Buyaran  
 (3) River Basin Area = 3,794 km<sup>2</sup> (4) Representative Province = Jawa Tengah  
 (5) Regency

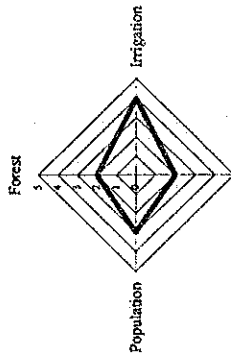
Code	Name of Kabupaten	Area	Name of Kabupaten	Area	
3309	Boyolali	398 km <sup>2</sup>	3318	Pati	138
3314	Sragen	52 km <sup>2</sup>	3319	Kudus	147
3315	Grobogan	1,531 km <sup>2</sup>	3321	Demak	370
3316	Blora	867 km <sup>2</sup>	3322	Semarang	158
3317	Rembang	70 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 1,945 mm  
 b) Coefficient of Variation = 0.62

(11) Type of Development : Management

(7) Vegetation

a) Forested Land	1,294 km <sup>2</sup>
b) Wet Paddy Field	440 km <sup>2</sup>
Irrigation	746 km <sup>2</sup>
Rainfed/Tidal/Swamp	539 km <sup>2</sup>
c) Upland Field	734 km <sup>2</sup>
Garden/Dryfield	0 km <sup>2</sup>
Shifting Cultivation	3 km <sup>2</sup>
Glass Land	38 km <sup>2</sup>
House Compound	0 km <sup>2</sup>
Swamps/Dyke/Pond	
Fallow Land	



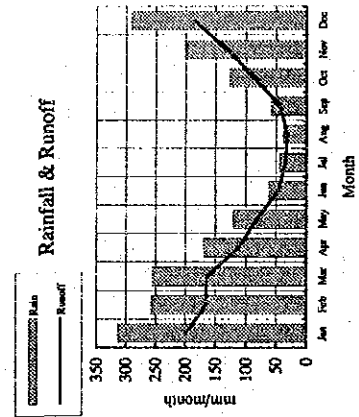
(8) Population

Urban	407,557
Rural	1,991,277
Total	2,398,834
Density	632

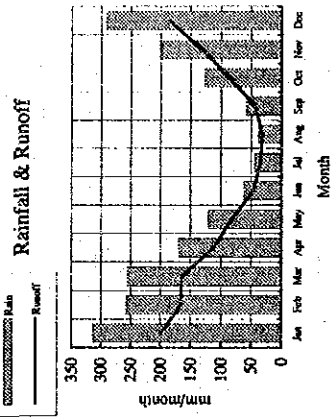
(9) Livestock

Cattle/Bufialo	168,600 heads
Sheep/Goat	414,400 heads
Pig	15,200 heads
Poultry	4,392,800 heads

(10) Type of Size : Middle



Rainfall & Runoff





**Table 2.2 Condition of River Basin (49/120)**

(1) River Basin Code = 2103 (2) River Basin Name = Geris Juana  
 (3) River Basin Area = 3,558 km<sup>2</sup> (4) Representative Province = Jawa Tengah  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
3317	Rembang	598 km <sup>2</sup>		
3318	Pati	1,259 km <sup>2</sup>		
3319	Kudus	292 km <sup>2</sup>		
3320	Jejara	1,283 km <sup>2</sup>		

(6) Rainfall  
 a) Annual Rainfall = 2,077 mm  
 b) Coefficient of Variation = 0.72

(7) Vegetation

a) Forested Land	Irrigation	Population	Rainfall
951 km <sup>2</sup>			
678 km <sup>2</sup>			
471 km <sup>2</sup>			
640 km <sup>2</sup>			
724 km <sup>2</sup>			
0 km <sup>2</sup>			
1 km <sup>2</sup>			
91 km <sup>2</sup>			
2 km <sup>2</sup>			

(8) Population

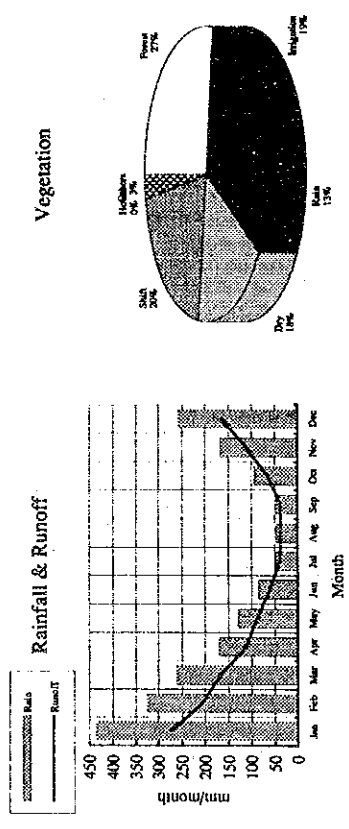
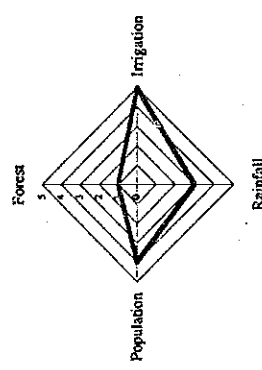
Urban	Rural	Total	Density
680,555	1,862,018	2,542,573	715

(9) Livestock

Cattle/Buffalo	Sheep/Goat	Pig	Poultry
158,200 heads	388,800 heads	14,300 heads	4,120,500 heads

(10) Type of Size : Small

(11) Type of Development : Management



**Table 2.2 Condition of River Basin (50/120)**

(1) River Basin Code = 2111 (2) River Basin Name = Geris Juana  
 (3) River Basin Area = 2,762 km<sup>2</sup> (4) Representative Province = Jawa Tengah  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
3306	Purworejo	89 km <sup>2</sup>		
3308	Magelang	960 km <sup>2</sup>		
3309	Boyolali	36 km <sup>2</sup>		
3322	Semarang	95 km <sup>2</sup>		
3323	Temanggung	732 km <sup>2</sup>		

(6) Rainfall  
 a) Annual Rainfall = 2,536 mm  
 b) Coefficient of Variation = 0.61

(7) Vegetation

a) Forested Land	Irrigation	Population	Rainfall
543 km <sup>2</sup>			
628 km <sup>2</sup>			
154 km <sup>2</sup>			
551 km <sup>2</sup>			
864 km <sup>2</sup>			
4 km <sup>2</sup>			
0 km <sup>2</sup>			
13 km <sup>2</sup>			
5 km <sup>2</sup>			

(8) Population

Urban	Rural	Total	Density
548,796	1,804,896	2,353,692	852

(9) Livestock

Cattle/Buffalo	Sheep/Goat	Pig	Poultry
138,900 heads	298,800 heads	11,000 heads	4,039,200 heads

(10) Type of Size : Middle

(11) Type of Development : Management

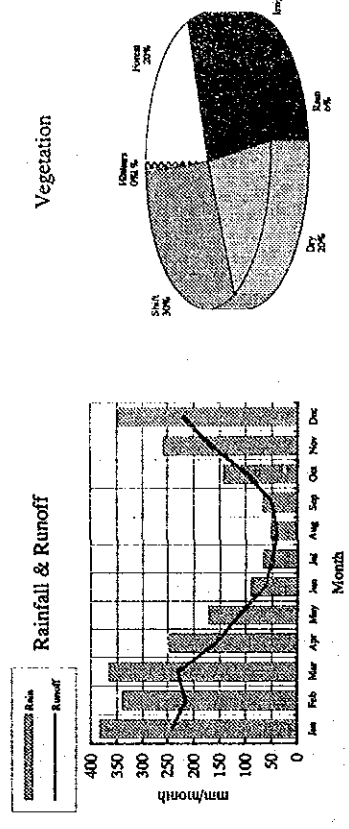
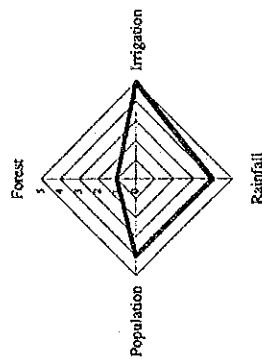
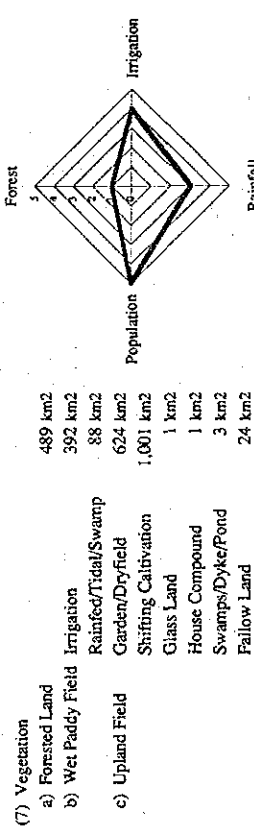


Table 2.2 Condition of River Basin (51/120)

(1) River Basin Code = 2112 (2) River Basin Name = Opak-Oyo  
 (3) River Basin Area = 2,622 km<sup>2</sup> (4) Representative Province = Yogyakarta  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
3310	Klaten	52 km <sup>2</sup>	3471	Kotamadya Yogyakarta
3312	Wonogiri	166 km <sup>2</sup>		
3402	Bantul	411 km <sup>2</sup>		
3403	Gunung Kidul	1,408 km <sup>2</sup>		
3404	Sleman	437 km <sup>2</sup>		

(6) Rainfall  
 a) Annual Rainfall = 2,107 mm (11) Type of Development : Management  
 b) Coefficient of Variation = 0.72



(8) Population

Urban	Rural	Total	Density	(9) Livestock
1,155,579	1,294,976	2,450,555	935	Cattle/Buffalo: 164,600 heads
				Sheep/Goat: 277,600 heads
				Pig: 10,200 heads
				Poultry: 5,543,300 heads

(10) Type of Size : Small

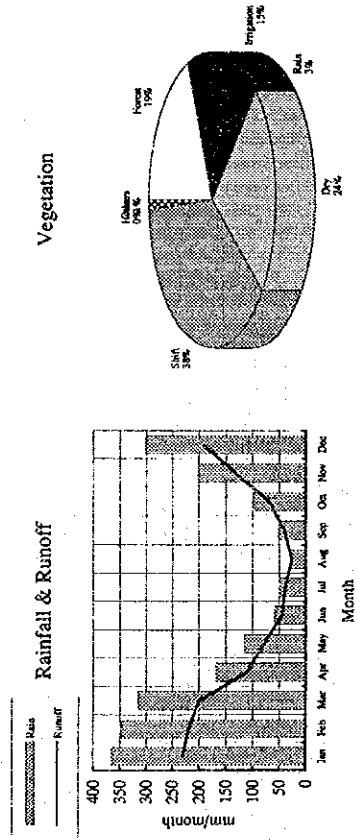
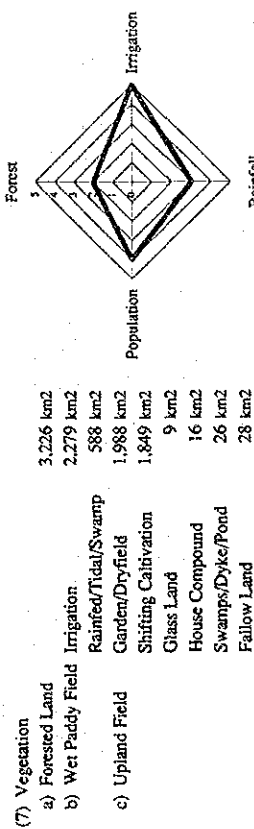


Table 2.2 Condition of River Basin (52/120)

(1) River Basin Code = 2121 (2) River Basin Name = Opak-Oyo  
 (3) River Basin Area = 10,010 km<sup>2</sup> (4) Representative Province = Yogyakarta  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
3309	Boyolali	518 km <sup>2</sup>	3372	Kotamadya Surakarta
3310	Klaten	593 km <sup>2</sup>	3403	Gunung Kidul
3311	Sukoharjo	568 km <sup>2</sup>	3501	Pacitan
3312	Wonogiri	1,600 km <sup>2</sup>	3502	Ponorogo
3313	Karanganyar	839 km <sup>2</sup>	3519	Madiun
3314	Sragen	896 km <sup>2</sup>	3520	Magetan

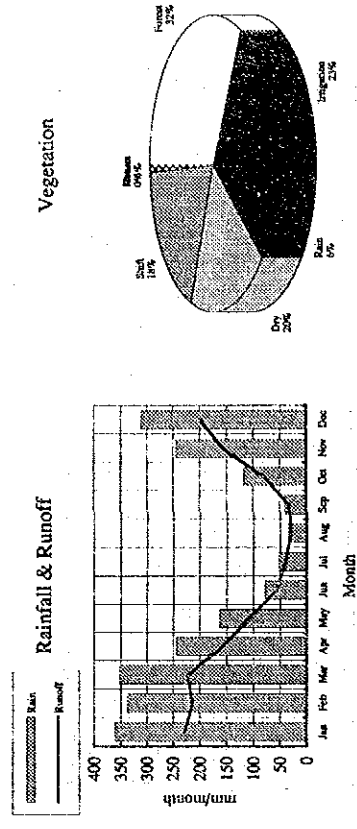
(6) Rainfall  
 a) Annual Rainfall = 2,344 mm (11) Type of Development : Management  
 b) Coefficient of Variation = 0.66



(8) Population

Urban	Rural	Total	Density	(9) Livestock
1,989,295	5,918,808	7,908,103	790	Cattle/Buffalo: 544,200 heads
				Sheep/Goat: 880,600 heads
				Pig: 29,700 heads
				Poultry: 10,112,900 heads

(10) Type of Size : Large



**Table 2.2. Condition of River Basin (53/120)**

(1) River Basin Code = 2122 (2) River Basin Name = Bengawan Solo-hilir  
 (3) River Basin Area = 7,989 km<sup>2</sup> (4) Representative Province = Jawa Tengah  
 (5) Regency

Code Name of Kabupaten	Area	Code Name of Kabupaten	Area
3316 Blora	861 km <sup>2</sup>	3525 Gresik	767
3317 Rembang	370 km <sup>2</sup>	3578 Kotamadya Surabaya	9
3522 Bojonegoro	2,181 km <sup>2</sup>		
3523 Tuban	1,966 km <sup>2</sup>		
3524 Lamongan	1,699 km <sup>2</sup>		

(6) Rainfall  
 a) Annual Rainfall = 1,846 mm  
 b) Coefficient of Variation = 0.69

(7) Vegetation

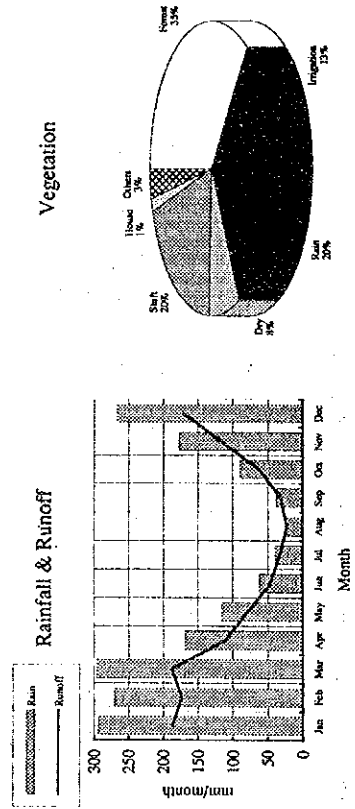
Vegetation	Area	Population
a) Forested Land	2,805 km <sup>2</sup>	
b) Wet Paddy Field	1,040 km <sup>2</sup>	
Irrigation	1,604 km <sup>2</sup>	
Rainfed/Tidal/Swamp	665 km <sup>2</sup>	
c) Upland Field	1,596 km <sup>2</sup>	
Garden/Dryfield	97 km <sup>2</sup>	
Shifting Cultivation	14 km <sup>2</sup>	
Glass Land	161 km <sup>2</sup>	
House Compound	7 km <sup>2</sup>	
Swamps/Dyke/Pond		
Fallow Land		

(11) Type of Development : Management

(8) Population

Population	Livestock
Urban	Cattle/Bufalo
Rural	509,000 heads
Total	561,900 heads
Density	16,700 heads
	7,042,200 heads

(10) Type of Size : Large



**Table 2.2. Condition of River Basin (54/120)**

(1) River Basin Code = 2123 (2) River Basin Name = Bengawan Solo-hilir  
 (3) River Basin Area = 1,607 km<sup>2</sup> (4) Representative Province = Jawa Tengah  
 (5) Regency

Code Name of Kabupaten	Area	Code Name of Kabupaten	Area
3312 Wonorejo	125 km <sup>2</sup>		
3501 Pacitan	1,332 km <sup>2</sup>		
3502 Ponorogo	136 km <sup>2</sup>		

(6) Rainfall  
 a) Annual Rainfall = 2,341 mm  
 b) Coefficient of Variation = 0.50

(7) Vegetation

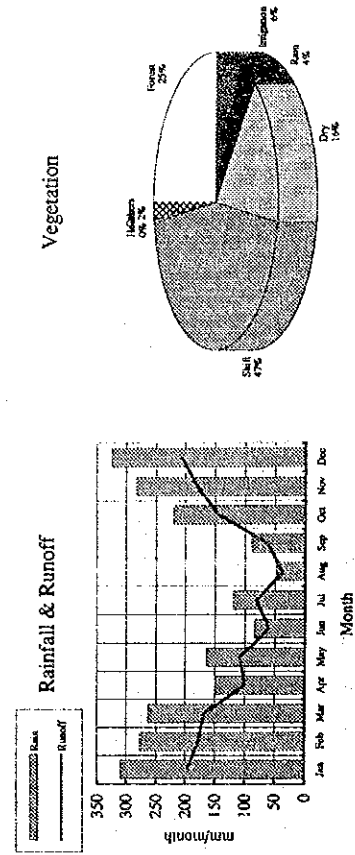
Vegetation	Area	Population
a) Forested Land	406 km <sup>2</sup>	
b) Wet Paddy Field	104 km <sup>2</sup>	
Irrigation	69 km <sup>2</sup>	
Rainfed/Tidal/Swamp	265 km <sup>2</sup>	
c) Upland Field	736 km <sup>2</sup>	
Garden/Dryfield	8 km <sup>2</sup>	
Shifting Cultivation	1 km <sup>2</sup>	
Glass Land	0 km <sup>2</sup>	
House Compound	19 km <sup>2</sup>	
Swamps/Dyke/Pond		
Fallow Land		

(11) Type of Development : Management

(8) Population

Population	Livestock
Urban	Cattle/Bufalo
Rural	105,300 heads
Total	107,100 heads
Density	3,100 heads
	1,373,900 heads

(10) Type of Size : Small



**Table 2.2 Condition of River Basin (55/120)**

(1) River Basin Code = 2131 (2) River Basin Name = K. Brantas-hilir  
 (3) River Basin Area = 6,275 km<sup>2</sup> (4) Representative Province = Jawa Timur  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
3506	Kediri	929 km <sup>2</sup>	3519	Madiun	259
3507	Malang	249 km <sup>2</sup>	3522	Bojonegoro	77
3514	Pasuruan	75 km <sup>2</sup>	3524	Lamongan	72
3515	Sidoarjo	751 km <sup>2</sup>	3525	Gresik	160
3516	Mojokerto	919 km <sup>2</sup>	3571	Kotamadya Kediri	53
3517	Jombang	1,032 km <sup>2</sup>	3576	Kotamadya Mojokerto	10

(6) Rainfall  
 a) Annual Rainfall = 2,084 mm (11) Type of Development : Management  
 b) Coefficient of Variation = 0.76

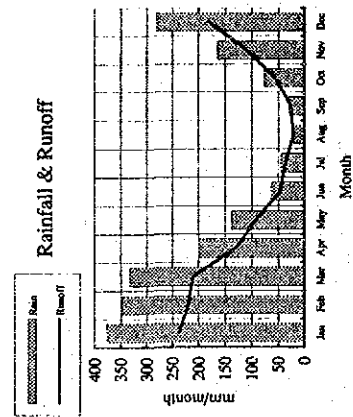
(7) Vegetation

a) Forested Land	2,072 km <sup>2</sup>	Forest
b) Wet Paddy Field	1,924 km <sup>2</sup>	Irrigation
	273 km <sup>2</sup>	Rainfed/Tidal/Swamp
c) Upland Field	1,020 km <sup>2</sup>	Garden/Dryfield
	750 km <sup>2</sup>	Shifting Cultivation
	7 km <sup>2</sup>	Glass Land
	0 km <sup>2</sup>	House Compound
	226 km <sup>2</sup>	Swamps/Dyke/Pond
	3 km <sup>2</sup>	Fallow Land

Population

(8) Population  
 Urban 4,027,028 (9) Livestock  
 Rural 3,956,754 Cattle/Bufalo 422,100 heads  
 Total 7,983,782 Sheep/Goat 396,200 heads  
 Density 1,272 Pig 10,900 heads  
 Poultry 5,209,800 heads

(10) Type of Size : Large



**Table 2.2 Condition of River Basin (56/119)**

(1) River Basin Code = 2132 (2) River Basin Name = K. Brantas-hilir  
 (3) River Basin Area = 5,830 km<sup>2</sup> (4) Representative Province = Jawa Timur  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
3502	Ponorogo	166 km <sup>2</sup>	3507	Malang	2,120
3503	Trenggalek	704 km <sup>2</sup>	3516	Mojokerto	47
3504	Tulungagung	850 km <sup>2</sup>	3571	Kotamadya Kediri	2
3505	Blitar	1,196 km <sup>2</sup>	3572	Kotamadya Blitar	33
3506	Kediri	556 km <sup>2</sup>	3573	Kotamadya Malang	56

(6) Rainfall  
 a) Annual Rainfall = 2,647 mm (11) Type of Development : Management  
 b) Coefficient of Variation = 0.58

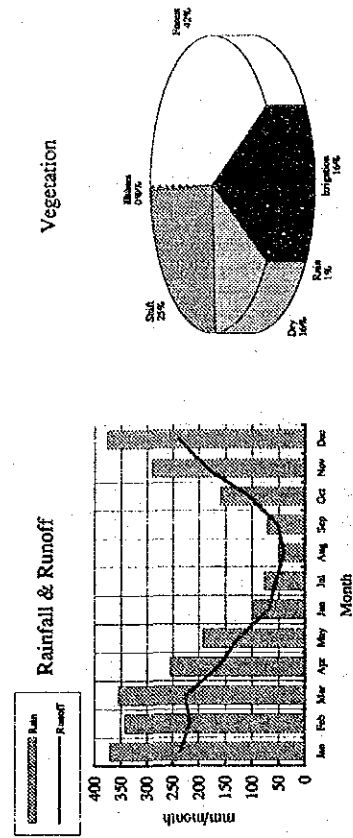
(7) Vegetation

a) Forested Land	2,406 km <sup>2</sup>	Forest
b) Wet Paddy Field	955 km <sup>2</sup>	Irrigation
	65 km <sup>2</sup>	Rainfed/Tidal/Swamp
c) Upland Field	917 km <sup>2</sup>	Garden/Dryfield
	1,474 km <sup>2</sup>	Shifting Cultivation
	6 km <sup>2</sup>	Glass Land
	0 km <sup>2</sup>	House Compound
	1 km <sup>2</sup>	Swamps/Dyke/Pond
	4 km <sup>2</sup>	Fallow Land

Population

(8) Population  
 Urban 1,415,230 (9) Livestock  
 Rural 3,027,627 Cattle/Bufalo 392,100 heads  
 Total 4,442,857 Sheep/Goat 368,100 heads  
 Density 762 Pig 10,100 heads  
 Poultry 4,840,200 heads

(10) Type of Size : Large



**Table 2.2 Condition of River Basin (57/120)**

(1) River Basin Code = 2133 (2) River Basin Name = Lumina Pengaluran  
 (3) River Basin Area = 3,073 km<sup>2</sup> (4) Representative Province = Jawa Timur  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
3501	Pacitan	111 km <sup>2</sup>	3507	Malang	1,263
3502	Ponorogo	68 km <sup>2</sup>	3508	Lumajang	99
3503	Trenggalek	583 km <sup>2</sup>			
3504	Tulungagung	362 km <sup>2</sup>			
3505	Bhitar	551 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 2,476 mm  
 b) Coefficient of Variation = 0.41

(7) Vegetation

Vegetation	Area
a) Forested Land	1,364 km <sup>2</sup>
b) Wet Paddy Field	402 km <sup>2</sup>
c) Upland Field	37 km <sup>2</sup>
Rainfed/Tidal/Swamp	425 km <sup>2</sup>
Garden/Dryfield	837 km <sup>2</sup>
Shifting Cultivation	4 km <sup>2</sup>
Glass Land	0 km <sup>2</sup>
House Compound	0 km <sup>2</sup>
Swamps/Dyke/Pond	0 km <sup>2</sup>
Fallow Land	4 km <sup>2</sup>

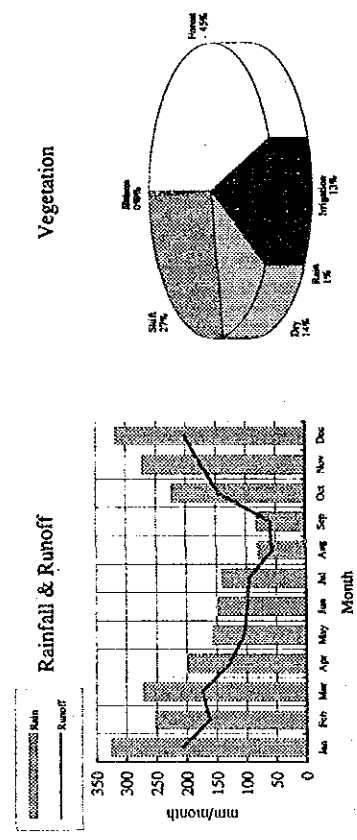
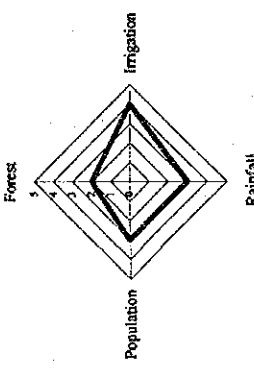
(8) Population

Urban	Rural	Total	Density
299,254	1,466,776	1,766,030	575

(9) Livestock

Cattle/Bufalo	Sheep/Goat	Pig	Poultry
206,700 heads	194,000 heads	5,300 heads	2,551,500 heads

(10) Type of Size : Small



**Table 2.2 Condition of River Basin (58/120)**

(1) River Basin Code = 2141 (2) River Basin Name = Lumina Pengaluran  
 (3) River Basin Area = 4,759 km<sup>2</sup> (4) Representative Province = Jawa Timur  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
3508	Lumajang	37 km <sup>2</sup>	3514	Pasuruan	1,275
3509	Jember	42 km <sup>2</sup>	3574	Kotamadya Probolinggo	44
3511	Bondowoso	1,004 km <sup>2</sup>	3575	Kotamadya Pasuruan	24
3512	Sinubondo	627 km <sup>2</sup>			
3513	Probolinggo	1,588 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 1,923 mm  
 b) Coefficient of Variation = 0.78

(7) Vegetation

Vegetation	Area
a) Forested Land	1,800 km <sup>2</sup>
b) Wet Paddy field	1,061 km <sup>2</sup>
c) Upland Field	58 km <sup>2</sup>
Rainfed/Tidal/Swamp	466 km <sup>2</sup>
Garden/Dryfield	1,251 km <sup>2</sup>
Shifting Cultivation	64 km <sup>2</sup>
Glass Land	0 km <sup>2</sup>
House Compound	0 km <sup>2</sup>
Swamps/Dyke/Pond	56 km <sup>2</sup>
Fallow Land	1 km <sup>2</sup>

(8) Population

Urban	Rural	Total	Density
747,896	2,249,109	2,997,005	630

(9) Livestock

Cattle/Bufalo	Sheep/Goat	Pig	Poultry
320,100 heads	300,400 heads	8,300 heads	3,951,000 heads

(10) Type of Size : Small

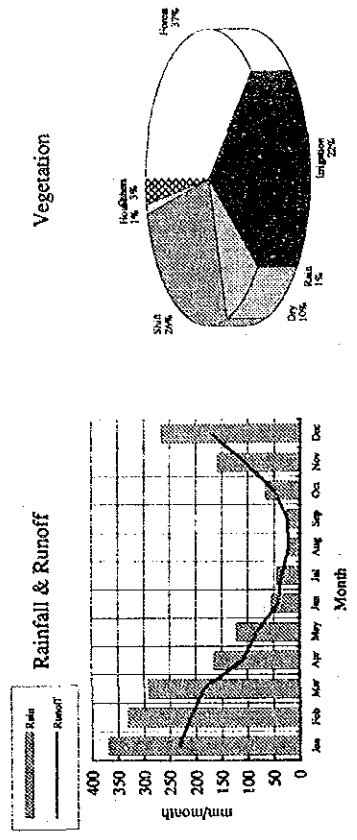
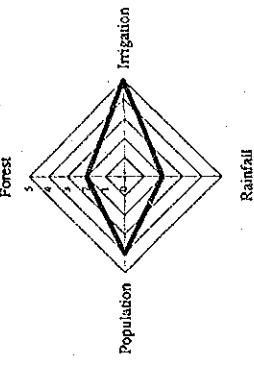


Table 2.2 Condition of River Basin (59/120)

(1) River Basin Code = 2142 (2) River Basin Name = Bedadung  
 (3) River Basin Area = 5,142 km<sup>2</sup> (4) Representative Province = Jawa Timur  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
3508	Lumajang	1,674 km <sup>2</sup>			
3509	Jember	2,996 km <sup>2</sup>			
3511	Bondowoso	119 km <sup>2</sup>			
3513	Probolinggo	250 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 2,584 mm  
 b) Coefficient of Variation = 0.55

(7) Vegetation  
 a) Forested Land 2,737 km<sup>2</sup>  
 b) Wet Paddy Field Irrigation 1,092 km<sup>2</sup>  
 Rainfed/Tidal/Swamp 7 km<sup>2</sup>  
 c) Upland Field Garden/Dryfield 418 km<sup>2</sup>  
 Shifting Cultivation 372 km<sup>2</sup>  
 Glass Land 8 km<sup>2</sup>  
 House Compound 0 km<sup>2</sup>  
 Swamps/Dyke/Pond 8 km<sup>2</sup>  
 Fallow Land 0 km<sup>2</sup>

(8) Population  
 Urban 554,740  
 Rural 2,261,796  
 Total 2,816,536  
 Density 548

(9) Livestock  
 Cattle/Bufalo 345,900 heads  
 Sheep/Goat 324,600 heads  
 Pig 8,900 heads  
 Poultry 4,269,000 heads

(10) Type of Size : Small

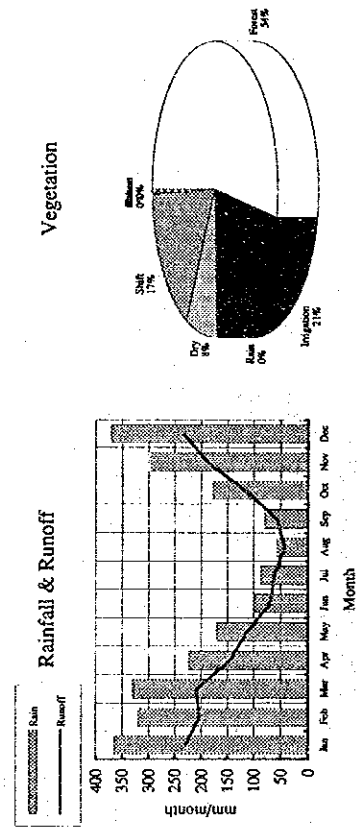


Table 2.2 Condition of River Basin (60/120)

(1) River Basin Code = 2143 (2) River Basin Name = Bedadung  
 (3) River Basin Area = 5,068 km<sup>2</sup> (4) Representative Province = Jawa Timur  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
3509	Jember	479 km <sup>2</sup>			
3510	Banyuwangi	3,299 km <sup>2</sup>			
3511	Bondowoso	370 km <sup>2</sup>			
3512	Stubondo	861 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 2,121 mm  
 b) Coefficient of Variation = 0.51

(7) Vegetation  
 a) Forested Land 2,872 km<sup>2</sup>  
 b) Wet Paddy Field Irrigation 1,032 km<sup>2</sup>  
 Rainfed/Tidal/Swamp 16 km<sup>2</sup>  
 c) Upland Field Garden/Dryfield 356 km<sup>2</sup>  
 Shifting Cultivation 742 km<sup>2</sup>  
 Glass Land 24 km<sup>2</sup>  
 House Compound 0 km<sup>2</sup>  
 Swamps/Dyke/Pond 24 km<sup>2</sup>  
 Fallow Land 2 km<sup>2</sup>

(8) Population  
 Urban 524,111  
 Rural 1,706,317  
 Total 2,230,428  
 Density 440

(9) Livestock  
 Cattle/Bufalo 340,900 heads  
 Sheep/Goat 320,000 heads  
 Pig 8,800 heads  
 Poultry 4,208,000 heads

(10) Type of Size : Small

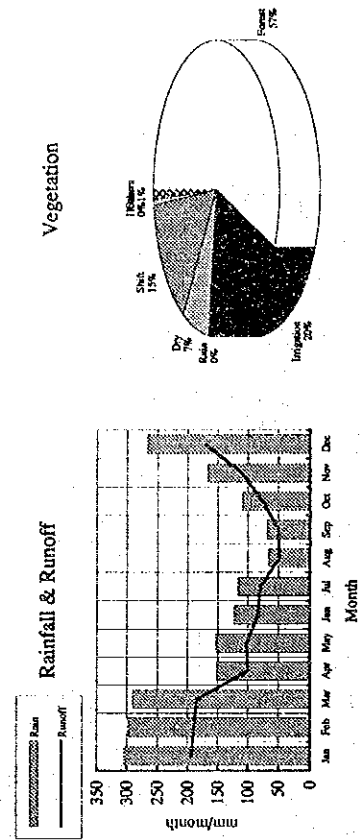


Table 2.2 Condition of River Basin (61/120)

(1) River Basin Code = 2150 (2) River Basin Name = Madura  
 (3) River Basin Area = 5,669 km<sup>2</sup> (4) Representative Province = Jawa Timur  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
3525	Gresik	200 km <sup>2</sup>			
3526	Bangkalan	1,366 km <sup>2</sup>			
3527	Sampang	1,226 km <sup>2</sup>			
3528	Pamekasan	785 km <sup>2</sup>			
3529	Sumenep	2,027 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 1,628 mm  
 b) Coefficient of Variation = 0.70

(7) Vegetation

a) Forested Land	717 km <sup>2</sup>
b) Wet Paddy Field	258 km <sup>2</sup>
c) Upland Field	662 km <sup>2</sup>
	589 km <sup>2</sup>
	3,037 km <sup>2</sup>
	144 km <sup>2</sup>
	2 km <sup>2</sup>
	117 km <sup>2</sup>
	143 km <sup>2</sup>

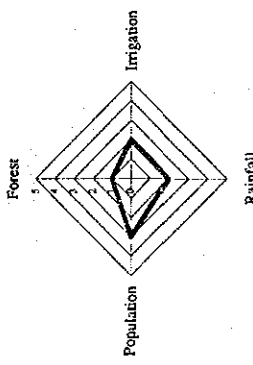
(8) Population

Urban	363,737	Cattle/Bufalo	381,400 heads
Rural	2,799,982	Sheep/Goat	357,900 heads
Total	3,163,719	Pig	9,900 heads
Density	558	Poultry	4,707,100 heads

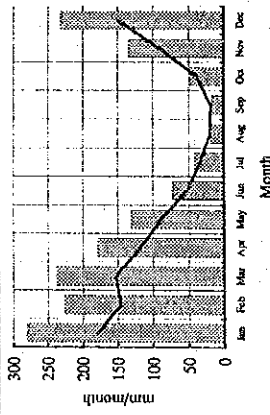
(9) Livestock

(10) Type of Size : Island

(11) Type of Development : Management



Rainfall & Runoff



Vegetation

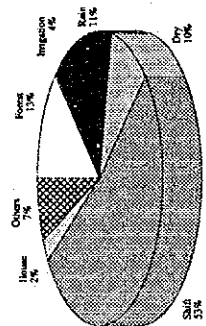


Table 2.2 Condition of River Basin (62/120)

(1) River Basin Code = 3011 (2) River Basin Name = Madura  
 (3) River Basin Area = 1,505 km<sup>2</sup> (4) Representative Province = Jawa Timur  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
5106	Bangli	175 km <sup>2</sup>			
5107	Karangasem	227 km <sup>2</sup>			
5108	Buleleng	1,206 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 1,664 mm  
 b) Coefficient of Variation = 0.85

(7) Vegetation

a) Forested Land	866 km <sup>2</sup>
b) Wet Paddy Field	137 km <sup>2</sup>
c) Upland Field	5 km <sup>2</sup>
	40 km <sup>2</sup>
	451 km <sup>2</sup>
	0 km <sup>2</sup>
	0 km <sup>2</sup>
	2 km <sup>2</sup>
	4 km <sup>2</sup>

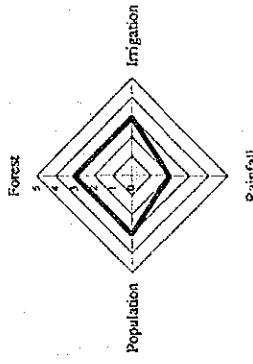
(8) Population

Urban	118,013	Cattle/Bufalo	120,900 heads
Rural	518,890	Sheep/Goat	23,100 heads
Total	636,903	Pig	256,400 heads
Density	423	Poultry	2,001,800 heads

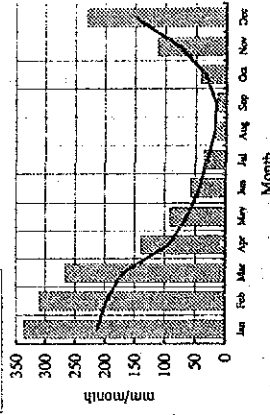
(9) Livestock

(10) Type of Size : Island

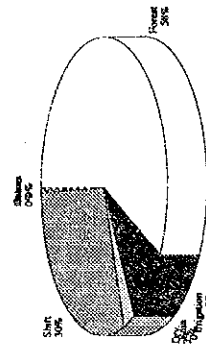
(11) Type of Development : Management



Rainfall & Runoff



Vegetation



**Table 2.2. Condition of River Basin (63/120)**

(1) River Basin Code = 3812 (2) River Basin Name = Bali-dempasar  
 (3) River Basin Area = 4,184 km<sup>2</sup> (4) Representative Province = Bali  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
5101	Jembrana	831 km <sup>2</sup>	5106	Bangli	339
5102	Tabanan	829 km <sup>2</sup>	5107	Karangasem	602
5103	Badung	536 km <sup>2</sup>	5108	Buleleng	143
5104	Gianyar	363 km <sup>2</sup>			
5105	Klungkung	311 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 2,103 mm  
 b) Coefficient of Variation = 0.51

(7) Vegetation

a) Forested Land	b) Wet Paddy Field	c) Upland Field	Population	Rainfall
2,250 km <sup>2</sup>	777 km <sup>2</sup>	12 km <sup>2</sup>	294 km <sup>2</sup>	336,100 heads
			826 km <sup>2</sup>	64,100 heads
			0 km <sup>2</sup>	712,900 heads
			0 km <sup>2</sup>	5,565,800 heads
			9 km <sup>2</sup>	
			16 km <sup>2</sup>	

(11) Type of Development : Management

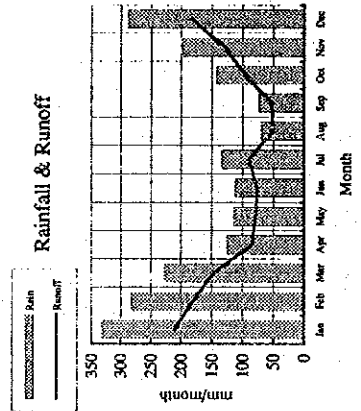
(8) Population

Urban	Rural	Total	Density
616,224	1,524,229	2,140,453	512

(9) Livestock

Cattle/Bufalo	Sheep/Goat	Pig	Poultry
336,100 heads	64,100 heads	712,900 heads	5,565,800 heads

(10) Type of Size : Island



**Table 2.2. Condition of River Basin (64/120)**

(1) River Basin Code = 3020 (2) River Basin Name = Bali-dempasar  
 (3) River Basin Area = 4,515 km<sup>2</sup> (4) Representative Province = Bali  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
5201	Lombok Barat	1,957 km <sup>2</sup>			
5202	Lombok Tengah	1,134 km <sup>2</sup>			
5203	Lombok Timur	1,521 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 1,544 mm  
 b) Coefficient of Variation = 0.75

(7) Vegetation

a) Forested Land	b) Wet Paddy Field	c) Upland Field	Population	Rainfall
1,856 km <sup>2</sup>	991 km <sup>2</sup>	182 km <sup>2</sup>	832 km <sup>2</sup>	155,300 heads
			313 km <sup>2</sup>	75,100 heads
			19 km <sup>2</sup>	4,600 heads
			14 km <sup>2</sup>	1,073,500 heads
			75 km <sup>2</sup>	

(11) Type of Development : Management

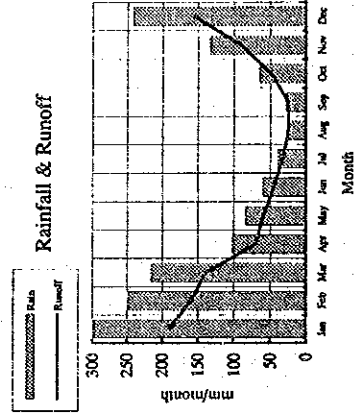
(8) Population

Urban	Rural	Total	Density
456,265	1,946,760	2,403,025	532

(9) Livestock

Cattle/Bufalo	Sheep/Goat	Pig	Poultry
155,300 heads	75,100 heads	4,600 heads	1,073,500 heads

(10) Type of Size : Island



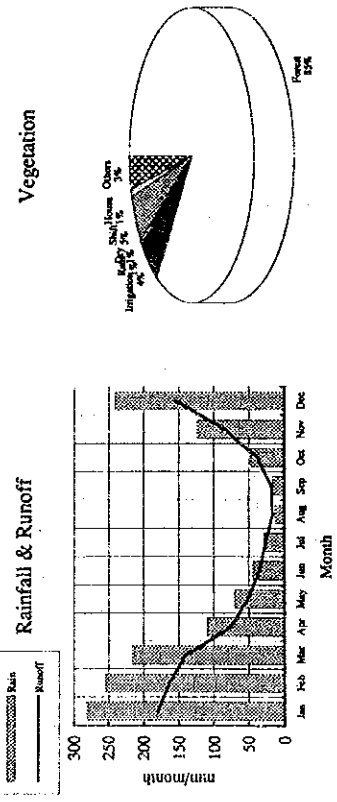
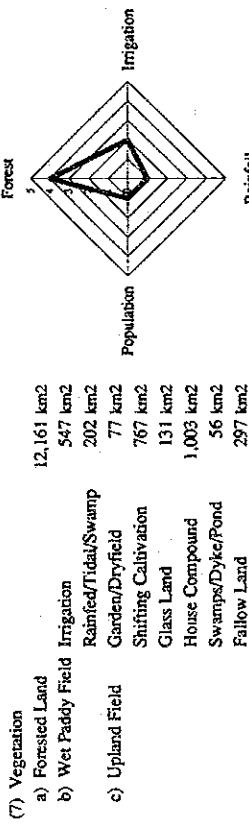


**Table 2.2 Condition of River Basin (65/120)**

(1) River Basin Code = 3030 (2) River Basin Name = Sumbawa  
 (3) River Basin Area = 15,241 km<sup>2</sup> (4) Representative Province = Nusa Tenggara Barat  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
5204	Sumbawa	8,598 km <sup>2</sup>			
5205	Dompu	2,231 km <sup>2</sup>			
5206	Bima	4,736 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 1,452 mm (11) Type of Development : Conservation  
 b) Coefficient of Variation = 0.83



**Table 2.2 Condition of River Basin (66/120)**

(1) River Basin Code = 3040 (2) River Basin Name = Sumbawa  
 (3) River Basin Area = 10,836 km<sup>2</sup> (4) Representative Province = Nusa Tenggara Barat  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
5301	Sumba Barat	3,974 km <sup>2</sup>			
5302	Sumba Timur	7,251 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 1,799 mm (11) Type of Development : Conservation  
 b) Coefficient of Variation = 0.71

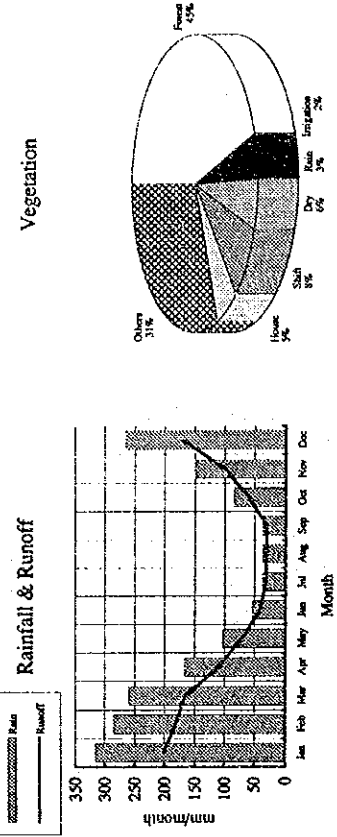
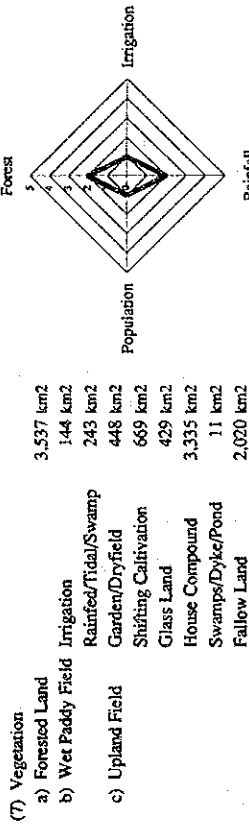


Table 2.2 Condition of River Basin (67/120)

(1) River Basin Code = 3050 (2) River Basin Name = Flores  
 (3) River Basin Area = 14,931 km<sup>2</sup> (4) Representative Province = Nusa Tenggara Timur  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
5308	Flores Timur	1,118 km <sup>2</sup>			
5309	Sikka	1,728 km <sup>2</sup>			
5310	Ende	2,366 km <sup>2</sup>			
5311	Ngada	3,122 km <sup>2</sup>			
5312	Manggarai	7,133 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 1,718 mm (11) Type of Development : Conservation  
 b) Coefficient of Variation = 0.73

(7) Vegetation

a) Forested Land	7,904 km <sup>2</sup>	Irrigation	10,784 km <sup>2</sup>
b) Wet Paddy Field	278 km <sup>2</sup>	Rainfed/Tidal/Swamp	198 km <sup>2</sup>
	123 km <sup>2</sup>	Garden/Dryfield	207 km <sup>2</sup>
	340 km <sup>2</sup>	Shifting Cultivation	647 km <sup>2</sup>
	1,167 km <sup>2</sup>	Glass Land	1,200 km <sup>2</sup>
	902 km <sup>2</sup>	House Compound	1,361 km <sup>2</sup>
	1,515 km <sup>2</sup>	Swamps/Dyke/Pond	2,899 km <sup>2</sup>
	4 km <sup>2</sup>	Fallow Land	85 km <sup>2</sup>
	2,698 km <sup>2</sup>		2,821 km <sup>2</sup>

(8) Population

Urban	129,299	Cattle/Bufalo	324,800 heads
Rural	1,126,612	Sheep/Goat	177,400 heads
Total	1,255,911	Pig	361,200 heads
Density	84	Poultry	1,661,800 heads

(9) Livestock  
 Cattle/Bufalo 324,800 heads  
 Sheep/Goat 177,400 heads  
 Pig 361,200 heads  
 Poultry 1,661,800 heads

(10) Type of Size : Island

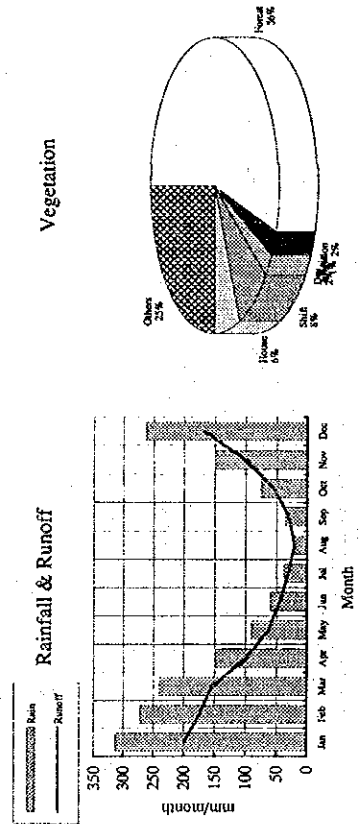


Table 2.2 Condition of River Basin (68/120)

(1) River Basin Code = 3060 (2) River Basin Name = Flores  
 (3) River Basin Area = 20,200 km<sup>2</sup> (4) Representative Province = Nusa Tenggara Timur  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
5303	Kupang	7,042 km <sup>2</sup>	5308	Flores Timur	2,079
5304	Timor Tengah Selatan	4,225 km <sup>2</sup>	5413	Viqueque	761
5305	Timor Tengah Utara	2,568 km <sup>2</sup>			
5306	Belu	1,212 km <sup>2</sup>			
5307	Alor	3,015 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 1,310 mm (11) Type of Development : Conservation  
 b) Coefficient of Variation = 0.83

(7) Vegetation

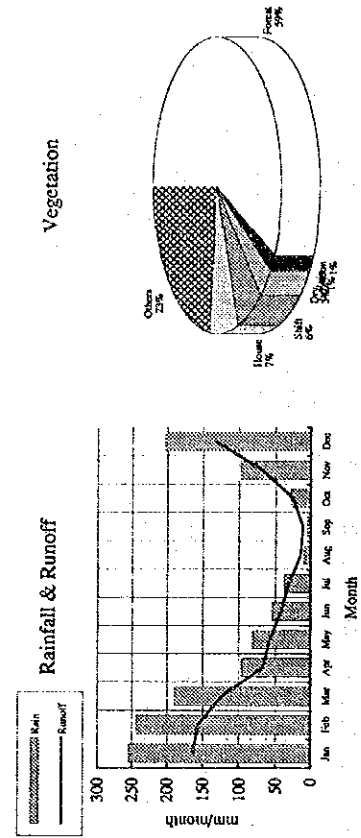
a) Forested Land	10,784 km <sup>2</sup>	Irrigation	10,784 km <sup>2</sup>
b) Wet Paddy Field	198 km <sup>2</sup>	Rainfed/Tidal/Swamp	198 km <sup>2</sup>
	207 km <sup>2</sup>	Garden/Dryfield	207 km <sup>2</sup>
	647 km <sup>2</sup>	Shifting Cultivation	647 km <sup>2</sup>
	1,200 km <sup>2</sup>	Glass Land	1,200 km <sup>2</sup>
	1,361 km <sup>2</sup>	House Compound	1,361 km <sup>2</sup>
	2,899 km <sup>2</sup>	Swamps/Dyke/Pond	2,899 km <sup>2</sup>
	85 km <sup>2</sup>	Fallow Land	85 km <sup>2</sup>
	2,821 km <sup>2</sup>		2,821 km <sup>2</sup>

(8) Population

Urban	195,989	Cattle/Bufalo	429,600 heads
Rural	1,320,318	Sheep/Goat	237,300 heads
Total	1,516,307	Pig	483,400 heads
Density	75	Poultry	2,203,900 heads

(9) Livestock  
 Cattle/Bufalo 429,600 heads  
 Sheep/Goat 237,300 heads  
 Pig 483,400 heads  
 Poultry 2,203,900 heads

(10) Type of Size : Middle



**Table 2.2. Condition of River Basin (69/120)**

(1) River Basin Code = 4910 (2) River Basin Name = Cengal-Banulicin  
 (3) River Basin Area = 16,219 km<sup>2</sup> (4) Representative Province = Kalimantan Selatan  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
6301	Tanah Laut	2,643 km <sup>2</sup>		
6302	Kota Baru	13,623 km <sup>2</sup>		
6303	Banjari	550 km <sup>2</sup>		

(6) Rainfall  
 a) Annual Rainfall = 2,438 mm  
 b) Coefficient of Variation = 0.28

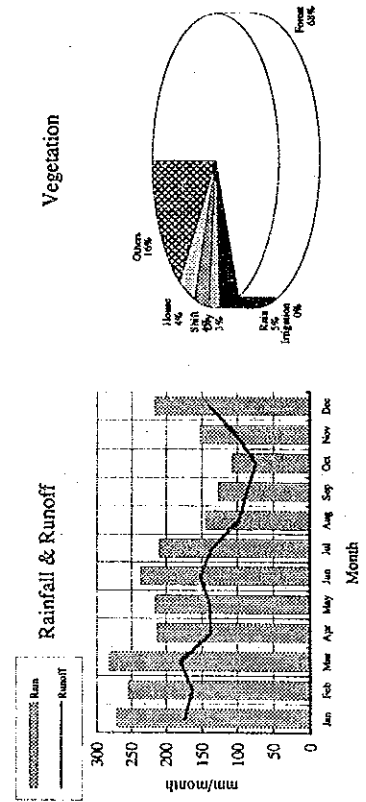
(7) Vegetation

a) Forested Land	Area	Population	Irrigation
	11,323 km <sup>2</sup>		
b) Wet Paddy Field	53 km <sup>2</sup>		
	752 km <sup>2</sup>		
c) Upland Field	456 km <sup>2</sup>		
	602 km <sup>2</sup>		
	673 km <sup>2</sup>		
	486 km <sup>2</sup>		
	387 km <sup>2</sup>		
	987 km <sup>2</sup>		

(8) Population  
 Urban 74,495  
 Rural 406,983  
 Total 481,478  
 Density 30

(9) Livestock  
 Cattle/Bufalo 74,100 heads  
 Sheep/Goat 27,500 heads  
 Pig 4,000 heads  
 Poultry 5,521,900 heads

(10) Type of Size : Small



**Table 2.2. Condition of River Basin (70/120)**

(1) River Basin Code = 4021 (2) River Basin Name = Cengal-Batulicin  
 (3) River Basin Area = 42,709 km<sup>2</sup> (4) Representative Province = Kalimantan Selatan  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
6203	Kapuas	622 km <sup>2</sup>	6402	Kutai
6204	Barito Selatan	7,300 km <sup>2</sup>		
6205	Barito Utara	33,027 km <sup>2</sup>		
6309	Tabalong	232 km <sup>2</sup>		
6401	Pasir	50 km <sup>2</sup>		

(6) Rainfall  
 a) Annual Rainfall = 3,184 mm  
 b) Coefficient of Variation = 0.29

(7) Vegetation

a) Forested Land	Area	Population	Irrigation
	38,774 km <sup>2</sup>		
b) Wet Paddy Field	469 km <sup>2</sup>		
	418 km <sup>2</sup>		
c) Upland Field	259 km <sup>2</sup>		
	454 km <sup>2</sup>		
	442 km <sup>2</sup>		
	66 km <sup>2</sup>		
	734 km <sup>2</sup>		
	1,093 km <sup>2</sup>		

(8) Population  
 Urban 41,147  
 Rural 245,369  
 Total 286,516  
 Density 7

(9) Livestock  
 Cattle/Bufalo 16,300 heads  
 Sheep/Goat 4,300 heads  
 Pig 33,200 heads  
 Poultry 872,800 heads

(10) Type of Size : Large

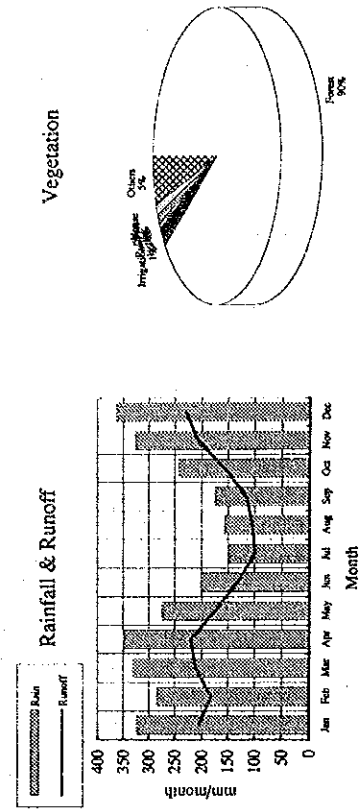


Table 2.2 Condition of River Basin (71/120)

(1) River Basin Code = 4022 (2) River Basin Name = Barito-hilir  
 (3) River Basin Area = 37,827 km<sup>2</sup> (4) Representative Province = Kalimantan Selatan  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
6203	Kepuas	16,406 km <sup>2</sup>	6305	Tapin
6204	Barito Selatan	1,727 km <sup>2</sup>	6306	Hulu Sungai Selatan
6205	Barito Utara	294 km <sup>2</sup>	6307	Hulu Sungai Tengah
6301	Tanah Laut	1,182 km <sup>2</sup>	6308	Hulu Sungai Utara
6303	Banjjar	4,984 km <sup>2</sup>	6309	Tabalong
6304	Barito Kuala	2,466 km <sup>2</sup>	6371	Kotamadya Banjarmasin

(6) Rainfall  
 a) Annual Rainfall = 2,505 mm  
 b) Coefficient of Variation = 0.44

(7) Vegetation  
 a) Forested Land 24,714 km<sup>2</sup>  
 b) Wet Paddy Field 329 km<sup>2</sup>  
 c) Upland Field 848 km<sup>2</sup>  
 Rainfed/Tidal/Swamp 4,097 km<sup>2</sup>  
 Garden/Dryfield 848 km<sup>2</sup>  
 Shifting Cultivation 1,343 km<sup>2</sup>  
 Glass Land 948 km<sup>2</sup>  
 House Compound 971 km<sup>2</sup>  
 Swamps/Dyke/Pond 2,236 km<sup>2</sup>  
 Fallow Land 2,442 km<sup>2</sup>

(8) Population  
 Urban 640,503  
 Rural 1,675,672  
 Total 2,316,175  
 Density 61

(9) Livestock  
 Cattle/Bufalo 94,100 heads  
 Sheep/Goat 34,100 heads  
 Pig 19,400 heads  
 Poultry 6,865,500 heads

(10) Type of Size : Large

(11) Type of Development : Development

(7) Vegetation  
 a) Forested Land 14,682 km<sup>2</sup>  
 b) Wet Paddy Field 113 km<sup>2</sup>  
 c) Upland Field 410 km<sup>2</sup>  
 Rainfed/Tidal/Swamp 118 km<sup>2</sup>  
 Garden/Dryfield 322 km<sup>2</sup>  
 Shifting Cultivation 227 km<sup>2</sup>  
 Glass Land 48 km<sup>2</sup>  
 House Compound 548 km<sup>2</sup>  
 Swamps/Dyke/Pond 835 km<sup>2</sup>  
 Fallow Land

(8) Population  
 Urban 67,781  
 Rural 178,912  
 Total 246,693  
 Density 14

(9) Livestock  
 Cattle/Bufalo 6,300 heads  
 Sheep/Goat 1,500 heads  
 Pig 13,600 heads  
 Poultry 324,600 heads

(10) Type of Size : Large

Table 2.2 Condition of River Basin (72/120)

(1) River Basin Code = 4030 (2) River Basin Name = Barito-hilir  
 (3) River Basin Area = 17,303 km<sup>2</sup> (4) Representative Province = Kalimantan Selatan  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
6202	Kotawaringin Timur	301 km <sup>2</sup>		
6203	Kapuas	14,684 km <sup>2</sup>		
6205	Barito Utara	119 km <sup>2</sup>		
6271	Kotamadya Palangka R	1,956 km <sup>2</sup>		

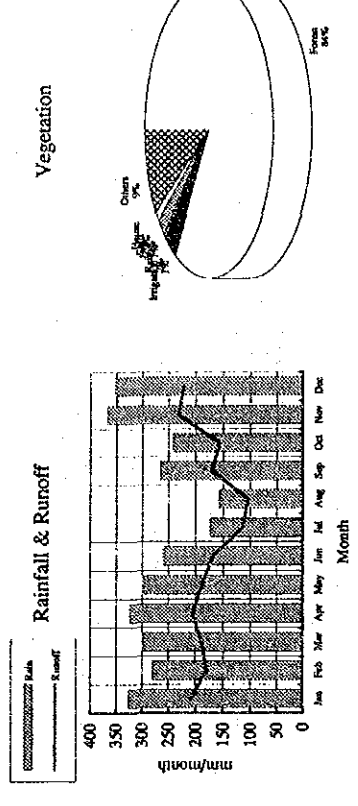
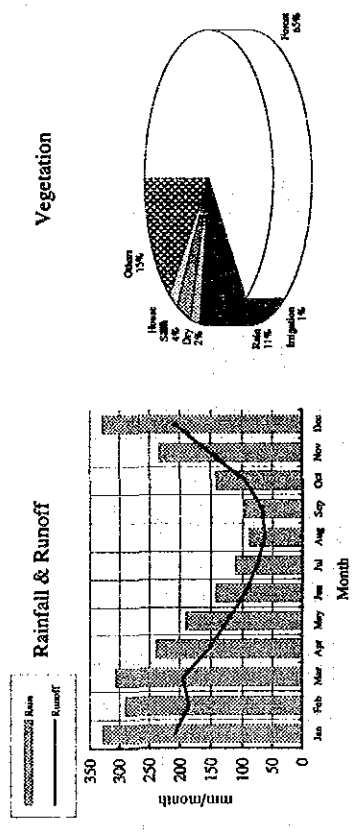
(6) Rainfall  
 a) Annual Rainfall = 3,349 mm  
 b) Coefficient of Variation = 0.23

(7) Vegetation  
 a) Forested Land 14,682 km<sup>2</sup>  
 b) Wet Paddy Field 113 km<sup>2</sup>  
 c) Upland Field 410 km<sup>2</sup>  
 Rainfed/Tidal/Swamp 118 km<sup>2</sup>  
 Garden/Dryfield 322 km<sup>2</sup>  
 Shifting Cultivation 227 km<sup>2</sup>  
 Glass Land 48 km<sup>2</sup>  
 House Compound 548 km<sup>2</sup>  
 Swamps/Dyke/Pond 835 km<sup>2</sup>  
 Fallow Land

(8) Population  
 Urban 67,781  
 Rural 178,912  
 Total 246,693  
 Density 14

(9) Livestock  
 Cattle/Bufalo 6,300 heads  
 Sheep/Goat 1,500 heads  
 Pig 13,600 heads  
 Poultry 324,600 heads

(10) Type of Size : Large



**Table 2.2 Condition of River Basin (73/120)**

- (1) River Basin Code = 4040 (2) River Basin Name = Mendawi  
 (3) River Basin Area = 23,626 km<sup>2</sup> (4) Representative Province = Kalimantan Tengah  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
6202	Kotawaringin Timur	17,424 km <sup>2</sup>			
6203	Kapuas	4,400 km <sup>2</sup>			
6271	Kotamadya Pailangka R	1,448 km <sup>2</sup>			

- (6) Rainfall  
 a) Annual Rainfall = 2,714 mm (11) Type of Development : Development  
 b) Coefficient of Variation = 0.26

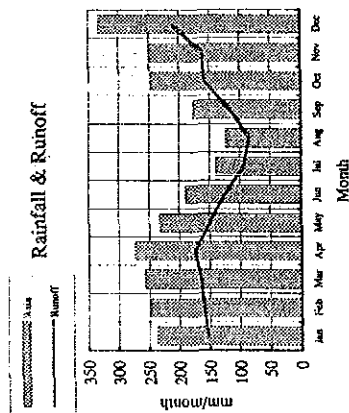
(7) Vegetation

Vegetation	Area	Population	Irrigation
a) Forested Land	21,998 km <sup>2</sup>		
b) Wet Paddy Field	61 km <sup>2</sup>		
	258 km <sup>2</sup>		
	192 km <sup>2</sup>		
c) Upland Field	168 km <sup>2</sup>		
	171 km <sup>2</sup>		
	60 km <sup>2</sup>		
	351 km <sup>2</sup>		
	368 km <sup>2</sup>		

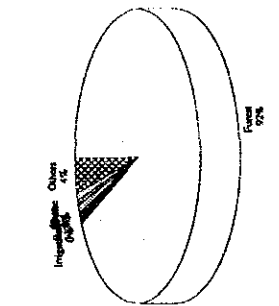
(8) Population

Urban	Rural	Total	Density	(9) Livestock
63,002	172,227	235,229	10	8,600 heads
				2,100 heads
				18,700 heads
				443,300 heads

(10) Type of Size : Large



**Rainfall & Runoff**



**Table 2.2 Condition of River Basin (74/120)**

- (1) River Basin Code = 4050 (2) River Basin Name = Mendawi  
 (3) River Basin Area = 16,169 km<sup>2</sup> (4) Representative Province = Kalimantan Tengah  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
6202	Kotawaringin Timur	15,943 km <sup>2</sup>			

- (6) Rainfall  
 a) Annual Rainfall = 2,760 mm (11) Type of Development : Development  
 b) Coefficient of Variation = 0.23

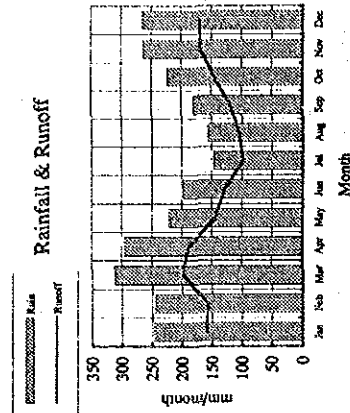
(7) Vegetation

Vegetation	Area	Population	Irrigation
a) Forested Land	15,499 km <sup>2</sup>		
b) Wet Paddy Field	25 km <sup>2</sup>		
	124 km <sup>2</sup>		
c) Upland Field	131 km <sup>2</sup>		
	63 km <sup>2</sup>		
	92 km <sup>2</sup>		
	33 km <sup>2</sup>		
	96 km <sup>2</sup>		
	106 km <sup>2</sup>		

(8) Population

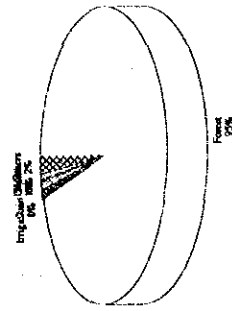
Urban	Rural	Total	Density	(9) Livestock
16,072	105,979	122,051	8	5,900 heads
				1,400 heads
				12,700 heads
				303,400 heads

(10) Type of Size : Middle



**Rainfall & Runoff**

**Vegetation**



**Table 2.2 Condition of River Basin (75/120)**

- (1) River Basin Code = 4061 (2) River Basin Name = Pembuang  
 (3) River Basin Area = 15,571 km<sup>2</sup> (4) Representative Province = Kalimantan Tengah  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Code	Name of Kabupaten	Area
6105	Sintang	52 km <sup>2</sup>				
6201	Kotawaringin Barat	1,068 km <sup>2</sup>				
6202	Kotawaringin Timur	14,234 km <sup>2</sup>				

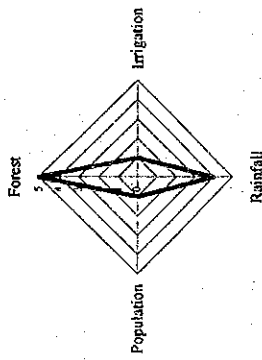
(6) Rainfall

- a) Annual Rainfall = 2,611 mm  
 b) Coefficient of Variation = 0.22

(11) Type of Development : Development

(7) Vegetation

- a) Forested Land 14,864 km<sup>2</sup>  
 b) Wet Paddy Field Irrigation 24 km<sup>2</sup>  
 Rainfed/Tidal/Swamp 118 km<sup>2</sup>  
 Garden/Dryfield 122 km<sup>2</sup>  
 Shifting Cultivation 60 km<sup>2</sup>  
 Glass Land 93 km<sup>2</sup>  
 House Compound 30 km<sup>2</sup>  
 Swamps/Dyke/Pond 94 km<sup>2</sup>  
 Fallow Land 166 km<sup>2</sup>

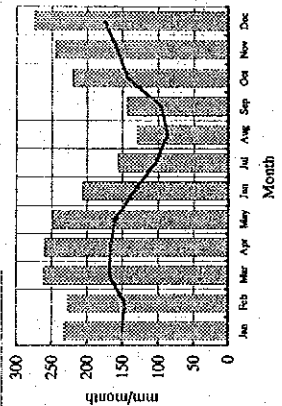


(8) Population

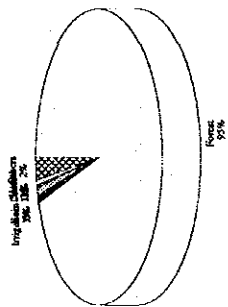
- Urban 15,841  
 Rural 102,569  
 Total 118,410  
 Density 8
- (9) Livestock  
 Cattle/Bufalo 5,700 heads  
 Sheep/Goat 1,400 heads  
 Pig 12,400 heads  
 Poultry 292,300 heads

(10) Type of Size : Middle

Rainfall & Runoff



Vegetation



**Table 2.2 Condition of River Basin (76/120)**

- (1) River Basin Code = 4062 (2) River Basin Name = Pembuang  
 (3) River Basin Area = 25,429 km<sup>2</sup> (4) Representative Province = Kalimantan Tengah  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Code	Name of Kabupaten	Area
6104	Ketapang	5,126 km <sup>2</sup>				
6105	Sintang	85 km <sup>2</sup>				
6201	Kotawaringin Barat	18,965 km <sup>2</sup>				
6202	Kotawaringin Timur	962 km <sup>2</sup>				

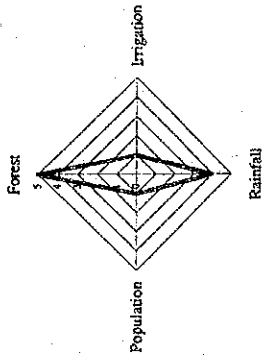
(6) Rainfall

- a) Annual Rainfall = 2,611 mm  
 b) Coefficient of Variation = 0.22

(11) Type of Development : Development

(7) Vegetation

- a) Forested Land 22,927 km<sup>2</sup>  
 b) Wet Paddy Field Irrigation 21 km<sup>2</sup>  
 Rainfed/Tidal/Swamp 196 km<sup>2</sup>  
 Garden/Dryfield 128 km<sup>2</sup>  
 Shifting Cultivation 217 km<sup>2</sup>  
 Glass Land 191 km<sup>2</sup>  
 House Compound 21 km<sup>2</sup>  
 Swamps/Dyke/Pond 369 km<sup>2</sup>  
 Fallow Land 1,359 km<sup>2</sup>

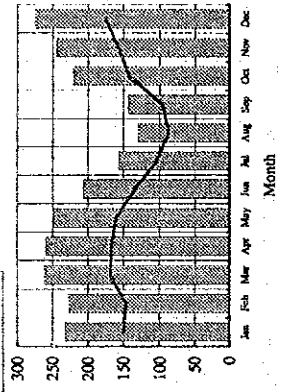


(8) Population

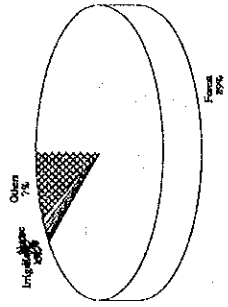
- Urban 30,168  
 Rural 182,786  
 Total 212,954  
 Density 8
- (9) Livestock  
 Cattle/Bufalo 11,100 heads  
 Sheep/Goat 3,500 heads  
 Pig 35,900 heads  
 Poultry 489,900 heads

(10) Type of Size : Middle

Rainfall & Runoff



Vegetation



**Table 2.2 Condition of River Basin (77/120)**

(1) River Basin Code = 4070 (2) River Basin Name = Pawan  
 (3) River Basin Area = 33,641 km<sup>2</sup> (4) Representative Province = Kalimantan Barat  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
6102	Pontianak	3,457 km <sup>2</sup>			
6103	Sanggau	640 km <sup>2</sup>			
6104	Kepapang	29,401 km <sup>2</sup>			
6105	Sintang	53 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 3,039 mm  
 b) Coefficient of Variation = 0.27

(7) Vegetation  
 a) Forested Land 28,273 km<sup>2</sup>  
 b) Wet Paddy Field Irrigation 81 km<sup>2</sup>  
 Rainfed/Tidal/Swamp 599 km<sup>2</sup>  
 Garden/Dryfield 409 km<sup>2</sup>  
 c) Upland Field Shifting Cultivation 1,079 km<sup>2</sup>  
 Glass Land 454 km<sup>2</sup>  
 House Compound 69 km<sup>2</sup>  
 Swamps/Dyke/Pond 1,376 km<sup>2</sup>  
 Fallow Land 1,302 km<sup>2</sup>

(8) Population  
 Urban 31,318 Cattle/Bufalo 24,300 heads  
 Rural 398,670 Sheep/Goat 11,300 heads  
 Total 429,988 Pig 129,000 heads  
 Density 13 Poultry 713,600 heads

(10) Type of Size : Middle

(6) Rainfall  
 a) Annual Rainfall = 3,318 mm  
 b) Coefficient of Variation = 0.21

(7) Vegetation  
 a) Forested Land 74,301 km<sup>2</sup>  
 b) Wet Paddy Field Irrigation 648 km<sup>2</sup>  
 Rainfed/Tidal/Swamp 2,177 km<sup>2</sup>  
 Garden/Dryfield 1,900 km<sup>2</sup>  
 c) Upland Field Shifting Cultivation 3,819 km<sup>2</sup>  
 Glass Land 3,432 km<sup>2</sup>  
 House Compound 322 km<sup>2</sup>  
 Swamps/Dyke/Pond 1,721 km<sup>2</sup>  
 Fallow Land 7,237 km<sup>2</sup>

(8) Population  
 Urban 485,278 Cattle/Bufalo 68,200 heads  
 Rural 1,430,322 Sheep/Goat 31,700 heads  
 Total 1,915,600 Pig 361,300 heads  
 Density 20 Poultry 2,016,400 heads

(10) Type of Size : Large

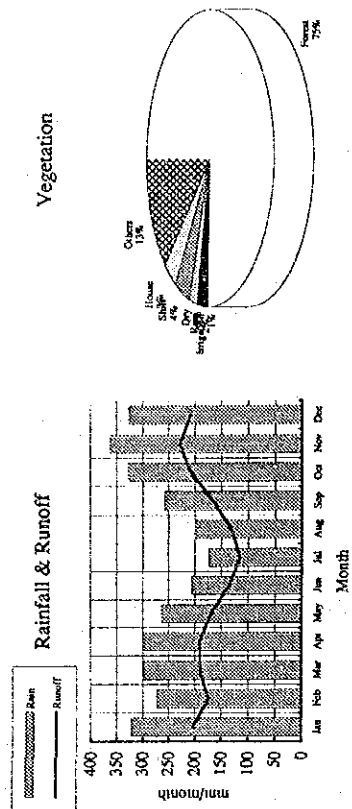
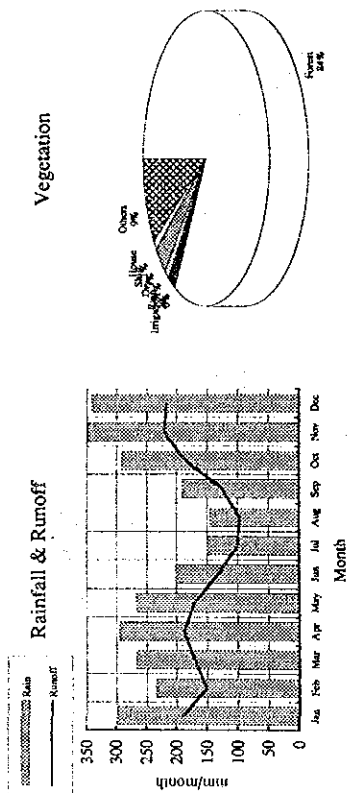


Table 2.2 Condition of River Basin (79/120)

(1) River Basin Code = 4090 (2) River Basin Name = Mempawah,Sambas  
 (3) River Basin Area = 14,145 km<sup>2</sup> (4) Representative Province = Kalimantan Barat  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
6101	Sambas	11,706 km <sup>2</sup>			
6102	Pontianak	2,295 km <sup>2</sup>			
6103	Sanggau	50 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 2,733 mm (11) Type of Development : Development  
 b) Coefficient of Variation = 0.32

(7) Vegetation

a) Forested Land	Irrigation	Population	Forest
10,308 km <sup>2</sup>			
135 km <sup>2</sup>			
708 km <sup>2</sup>			
603 km <sup>2</sup>			
339 km <sup>2</sup>			
62 km <sup>2</sup>			
511 km <sup>2</sup>			
808 km <sup>2</sup>			

b) Wet Paddy Field  
 Rainfed/Tidal/Swamp  
 Garden/Dryfield  
 Shifting Cultivation  
 Glass Land  
 House Compound  
 Swamps/Dyke/Pond  
 Fallow Land

c) Upland Field  
 Irrigation  
 Rainfed/Tidal/Swamp  
 Garden/Dryfield  
 Shifting Cultivation  
 Glass Land  
 House Compound  
 Swamps/Dyke/Pond  
 Fallow Land

(8) Population  
 Urban 124,163 (9) Livestock  
 Rural 722,790 Cattle/Bufalo 10,200 heads  
 Total 846,953 Sheep/Goat 4,700 heads  
 Density 60 Pig 54,300 heads  
 Poultry 300,100 heads

(10) Type of Size : Middle

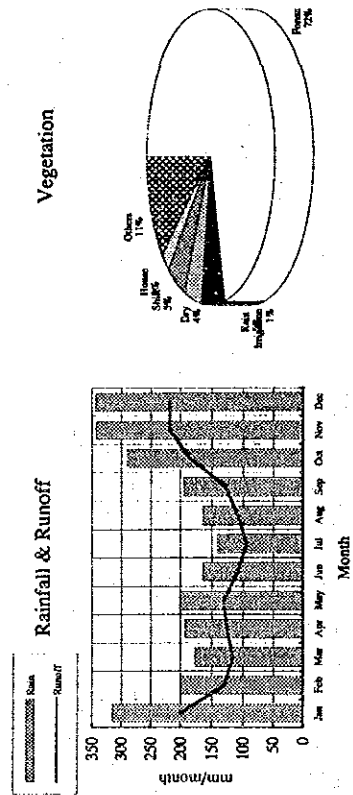


Table 2.2 Condition of River Basin (80/120)

(1) River Basin Code = 4100 (2) River Basin Name = Mempawah,Sambas  
 (3) River Basin Area = 31,568 km<sup>2</sup> (4) Representative Province = Kalimantan Barat  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
6404	Bulungan	32,567 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 3,096 mm (11) Type of Development : Development  
 b) Coefficient of Variation = 0.18

(7) Vegetation

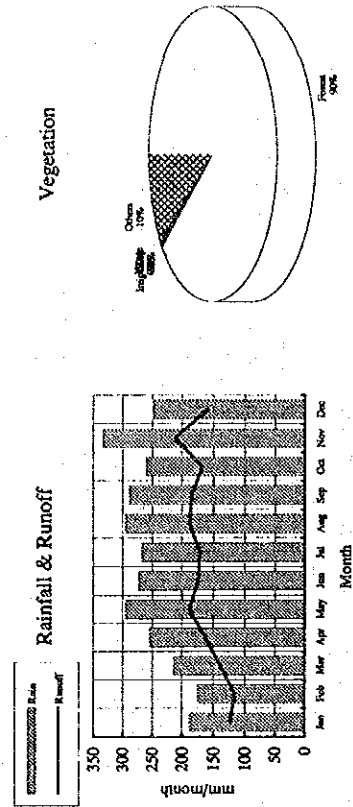
a) Forested Land	Irrigation	Population	Forest
28,275 km <sup>2</sup>			
11 km <sup>2</sup>			
59 km <sup>2</sup>			
51 km <sup>2</sup>			
26 km <sup>2</sup>			
100 km <sup>2</sup>			
15 km <sup>2</sup>			
2,014 km <sup>2</sup>			
1,017 km <sup>2</sup>			

b) Wet Paddy Field  
 Rainfed/Tidal/Swamp  
 Garden/Dryfield  
 Shifting Cultivation  
 Glass Land  
 House Compound  
 Swamps/Dyke/Pond  
 Fallow Land

c) Upland Field  
 Irrigation  
 Rainfed/Tidal/Swamp  
 Garden/Dryfield  
 Shifting Cultivation  
 Glass Land  
 House Compound  
 Swamps/Dyke/Pond  
 Fallow Land

(8) Population  
 Urban 51,511 (9) Livestock  
 Rural 51,519 Cattle/Bufalo 9,600 heads  
 Total 103,030 Sheep/Goat 8,400 heads  
 Density 3 Pig 11,700 heads  
 Poultry 586,700 heads

(10) Type of Size : Middle



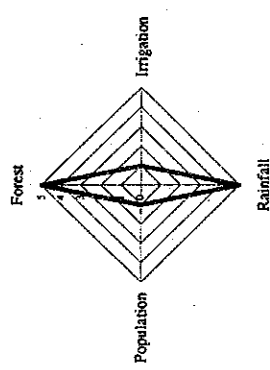


**Table 2.2 Condition of River Basin (81/120)**

- (1) River Basin Code = 4110
- (2) River Basin Name = Kayan
- (3) River Basin Area = 33,005 km<sup>2</sup>
- (4) Representative Province = Kalimantan Timur
- (5) Regency

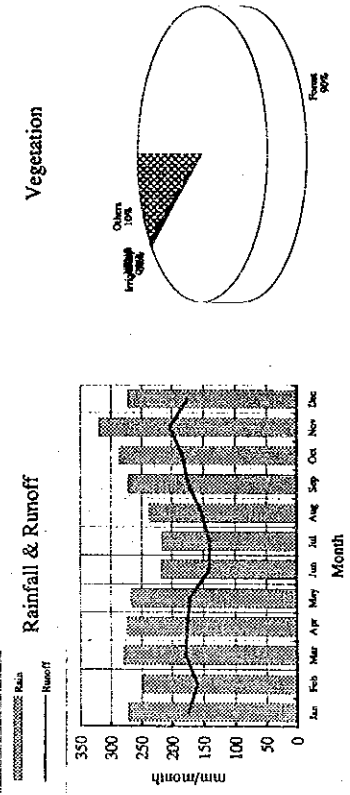
Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
6403	Berau	148 km <sup>2</sup>			
6404	Bulungan	33,874 km <sup>2</sup>			

- (6) Rainfall
  - a) Annual Rainfall = 3,170 mm
  - b) Coefficient of Variation = 0.11



- (7) Vegetation
  - a) Forested Land 29,573 km<sup>2</sup>
  - b) Wet Paddy Field 11 km<sup>2</sup>
  - c) Upland Field 62 km<sup>2</sup>
- (8) Population
  - Urban 53,769
  - Rural 54,012
  - Total 107,781
  - Density 3
- (9) Livestock
  - Cattle/Bufalo 10,100 heads
  - Sheep/Goat 8,800 heads
  - Pig 12,300 heads
  - Poultry 613,500 heads

(10) Type of Size : Large

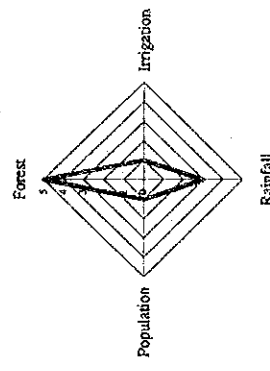


**Table 2.2 Condition of River Basin (82/120)**

- (1) River Basin Code = 4120
- (2) River Basin Name = Kayan
- (3) River Basin Area = 19,115 km<sup>2</sup>
- (4) Representative Province = Kalimantan Timur
- (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
6402	Kutai	505 km <sup>2</sup>			
6403	Berau	17,563 km <sup>2</sup>			
6404	Bulungan	1,654 km <sup>2</sup>			

- (6) Rainfall
  - a) Annual Rainfall = 2,014 mm
  - b) Coefficient of Variation = 0.23



- (7) Vegetation
  - a) Forested Land 18,557 km<sup>2</sup>
  - b) Wet Paddy Field 5 km<sup>2</sup>
  - c) Upland Field 34 km<sup>2</sup>
- (8) Population
  - Urban 21,795
  - Rural 37,090
  - Total 58,885
  - Density 3
- (9) Livestock
  - Cattle/Bufalo 5,800 heads
  - Sheep/Goat 5,100 heads
  - Pig 7,100 heads
  - Poultry 355,300 heads

(10) Type of Size : Middle

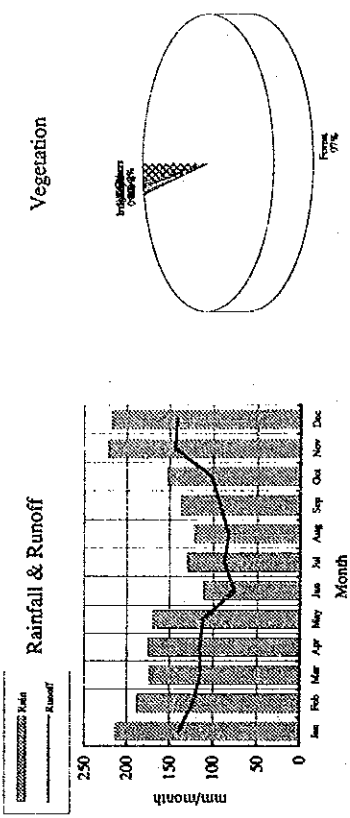


Table 2.2 Condition of River Basin (83/120)

- (1) River Basin Code = 4130 (2) River Basin Name = Karangau  
 (3) River Basin Area = 20,315 km<sup>2</sup> (4) Representative Province = Kalimantan Timur

(5) Regency

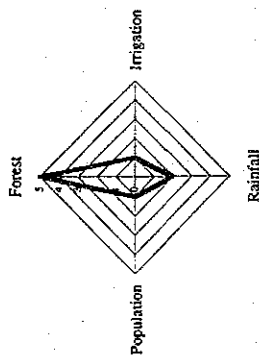
Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
6402	Kutai	17,944 km <sup>2</sup>			
6403	Berau	3,077 km <sup>2</sup>			

- (6) Rainfall  
 a) Annual Rainfall = 1,979 mm  
 b) Coefficient of Variation = 0.18

(11) Type of Development : Development

(7) Vegetation

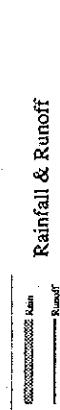
a) Forested Land	16,926 km <sup>2</sup>
b) Wet Paddy Field	10 km <sup>2</sup>
c) Upland Field	201 km <sup>2</sup>
Irrigation	137 km <sup>2</sup>
Rainfed/Tidal/Swamp	527 km <sup>2</sup>
Garden/Dryfield	195 km <sup>2</sup>
Shifting Cultivation	15 km <sup>2</sup>
Glass Land	647 km <sup>2</sup>
House Compound	1,657 km <sup>2</sup>
Swamps/Dyke/Pond	
Fallow Land	



(8) Population

Urban	25,865	Cattle/Bufalo	6,200 heads
Rural	105,011	Sheep/Goat	5,400 heads
Total	130,876	Pig	7,500 heads
Density	6	Poultry	377,600 heads

(10) Type of Size : Middle



Vegetation

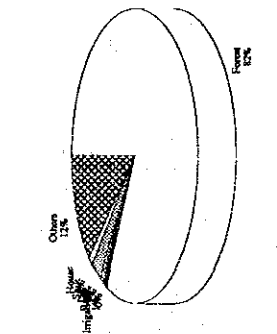


Table 2.2 Condition of River Basin (84/120)

- (1) River Basin Code = 4141 (2) River Basin Name = Karangau  
 (3) River Basin Area = 77,510 km<sup>2</sup> (4) Representative Province = Kalimantan Timur

(5) Regency

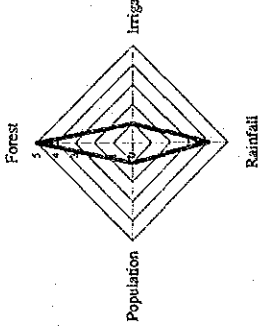
Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
6106	Kepuas Hulu	96 km <sup>2</sup>	6403	Berau	940
6205	Barito Utara	719 km <sup>2</sup>	6404	Bulungan	5,245
6301	Tanah Laut	59 km <sup>2</sup>	6471	Kotamadya Balikpapan	94
6401	Pasir	307 km <sup>2</sup>	6472	Kotamadya Samarinda	1,089
6402	Kutai	71,097 km <sup>2</sup>			

- (6) Rainfall  
 a) Annual Rainfall = 2,584 mm  
 b) Coefficient of Variation = 0.24

(11) Type of Development : Development

(7) Vegetation

a) Forested Land	63,204 km <sup>2</sup>
b) Wet Paddy Field	57 km <sup>2</sup>
c) Upland Field	890 km <sup>2</sup>
Irrigation	582 km <sup>2</sup>
Rainfed/Tidal/Swamp	2,122 km <sup>2</sup>
Garden/Dryfield	867 km <sup>2</sup>
Shifting Cultivation	82 km <sup>2</sup>
Glass Land	2,954 km <sup>2</sup>
House Compound	6,752 km <sup>2</sup>
Swamps/Dyke/Pond	
Fallow Land	



(8) Population

Urban	282,264	Cattle/Bufalo	23,800 heads
Rural	452,980	Sheep/Goat	20,600 heads
Total	735,244	Pig	29,300 heads
Density	9	Poultry	1,450,000 heads

(10) Type of Size : Large



Vegetation

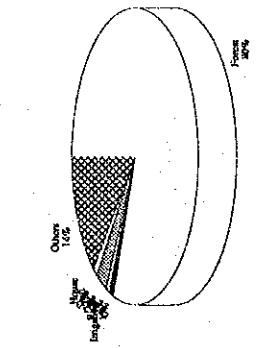


Table 2.2 Condition of River Basin (85/120)

(1) River Basin Code = 4142 (2) River Basin Name = Balikpapan  
 (3) River Basin Area = 15,131 km<sup>2</sup> (4) Representative Province = Kalimantan Timur

(5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
6302	Kota Baru	311 km <sup>2</sup>	6471	Kotamadya Balikpapan	2,390
6308	Hulu Sungai Utara	76 km <sup>2</sup>	6472	Kotamadya Samarinda	1,051
6309	Tabalong	93 km <sup>2</sup>			
6401	Pasir	11,465 km <sup>2</sup>			
6402	Kutai	225 km <sup>2</sup>			

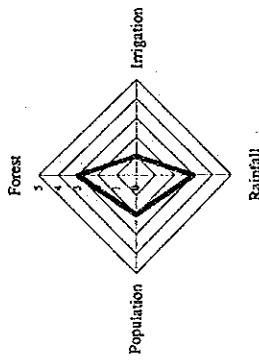
(6) Rainfall

a) Annual Rainfall = 2,191 mm  
 b) Coefficient of Variation = 0.21

(11) Type of Development : Development

(7) Vegetation

Area	Population
9,412 km <sup>2</sup>	
14 km <sup>2</sup>	
329 km <sup>2</sup>	
396 km <sup>2</sup>	
206 km <sup>2</sup>	
2,239 km <sup>2</sup>	
607 km <sup>2</sup>	
1,217 km <sup>2</sup>	
709 km <sup>2</sup>	



(8) Population

Urban	Rural	Total	Density
481,685	273,357	755,042	50

(9) Livestock

Cattle/Buffalo	Sheep/Goat	Pig	Poultry
6,600 heads	4,700 heads	5,600 heads	429,400 heads

(10) Type of Size : Small



Rainfall & Runoff

Vegetation

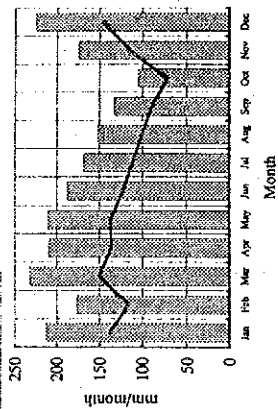


Table 2.2 Condition of River Basin (86/120)

(1) River Basin Code = 5011 (2) River Basin Name = Balikpapan  
 (3) River Basin Area = 3,697 km<sup>2</sup> (4) Representative Province = Kalimantan Timur

(5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
7102	Bolaang Mongondow	380 km <sup>2</sup>			
7103	Minahasa	2,141 km <sup>2</sup>			
7172	Kotamadya Manado	61 km <sup>2</sup>			

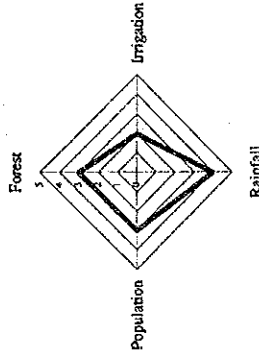
(6) Rainfall

a) Annual Rainfall = 2,756 mm  
 b) Coefficient of Variation = 0.32

(11) Type of Development : Development

(7) Vegetation

Area	Population
2,213 km <sup>2</sup>	
109 km <sup>2</sup>	
27 km <sup>2</sup>	
120 km <sup>2</sup>	
809 km <sup>2</sup>	
228 km <sup>2</sup>	
21 km <sup>2</sup>	
31 km <sup>2</sup>	
138 km <sup>2</sup>	



(8) Population

Urban	Rural	Total	Density
357,396	494,116	851,512	230

(9) Livestock

Cattle/Buffalo	Sheep/Goat	Pig	Poultry
37,200 heads	12,200 heads	45,800 heads	380,400 heads

(10) Type of Size : Small



Rainfall & Runoff

Vegetation

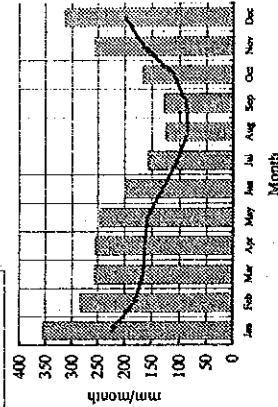


Table 2.2 Condition of River Basin (87/120)

- (1) River Basin Code = 5012
- (2) River Basin Name = Onggak Dumaga
- (3) River Basin Area = 2,281 km<sup>2</sup>
- (4) Representative Province = Sulawesi Utara
- (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
7102	Bolaang Mongondow	1,602 km <sup>2</sup>			

- (6) Rainfall
  - a) Annual Rainfall = 2,615 mm
  - b) Coefficient of Variation = 0.34

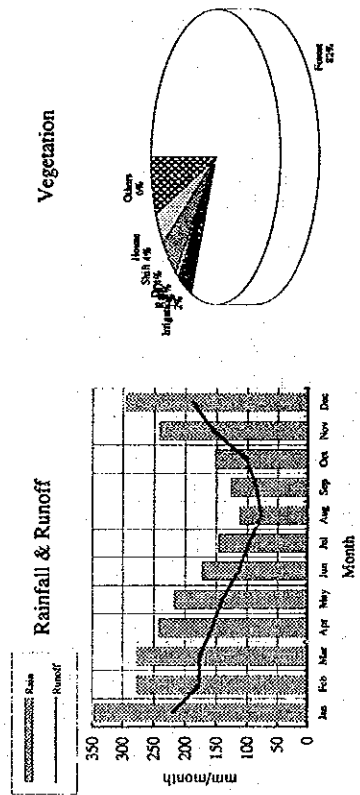
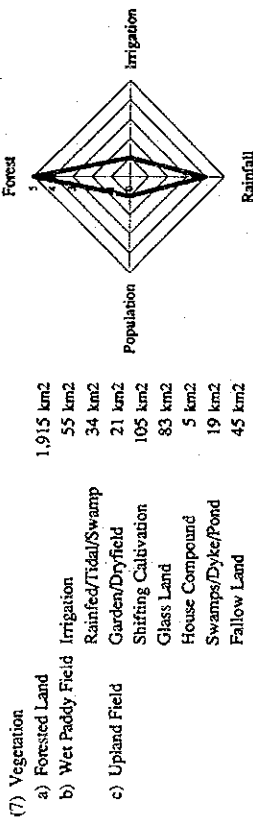
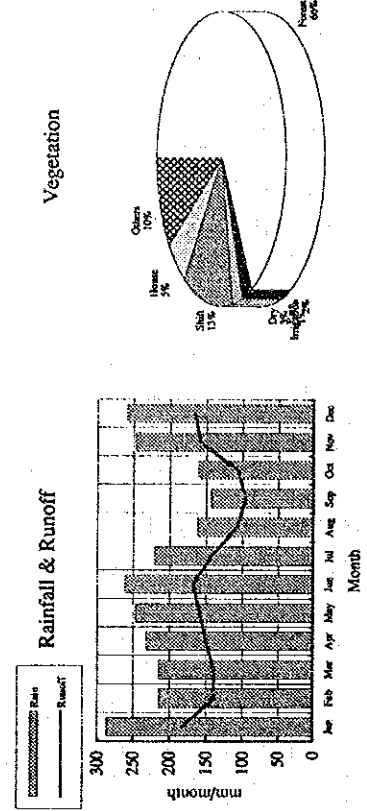
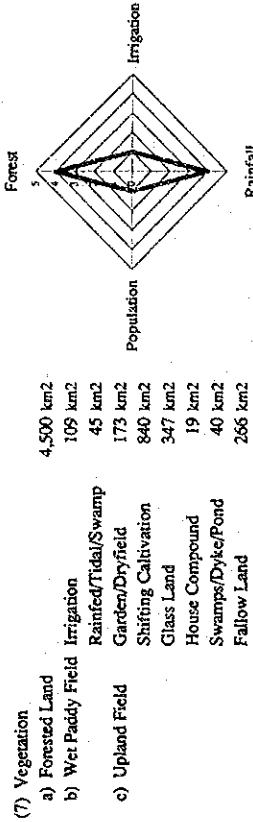


Table 2.2 Condition of River Basin (88/120)

- (1) River Basin Code = 5013
- (2) River Basin Name = Onggak Dumaga
- (3) River Basin Area = 6,340 km<sup>2</sup>
- (4) Representative Province = Sulawesi Utara
- (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
7102	Bolaang Mongondow	1,512 km <sup>2</sup>			
7103	Minahass	1,277 km <sup>2</sup>			
7104	Sangihe-Talaud	1,670 km <sup>2</sup>			

- (6) Rainfall
  - a) Annual Rainfall = 2,655 mm
  - b) Coefficient of Variation = 0.20



**Table 2.2. Condition of River Basin (89/120)**

(1) River Basin Code = 5021 (2) River Basin Name = Sangkup  
 (3) River Basin Area = 3,253 km<sup>2</sup> (4) Representative Province = Sulawesi Utara  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
7101	Gorontalo	578 km <sup>2</sup>		
7102	Bolaang Mongondow	1,707 km <sup>2</sup>		

(6) Rainfall  
 a) Annual Rainfall = 2,727 mm  
 b) Coefficient of Variation = 0.33

(7) Vegetation

Category	Area
a) Forested Land	2,677 km <sup>2</sup>
b) Wet Paddy Field	68 km <sup>2</sup>
c) Upland Field	40 km <sup>2</sup>
Rainfed/Tidal/Swamp	55 km <sup>2</sup>
Garden/Dryfield	145 km <sup>2</sup>
Shifting Cultivation	113 km <sup>2</sup>
Glass Land	30 km <sup>2</sup>
House Compound	29 km <sup>2</sup>
Swamps/Dyke/Pond	98 km <sup>2</sup>
Fallow Land	

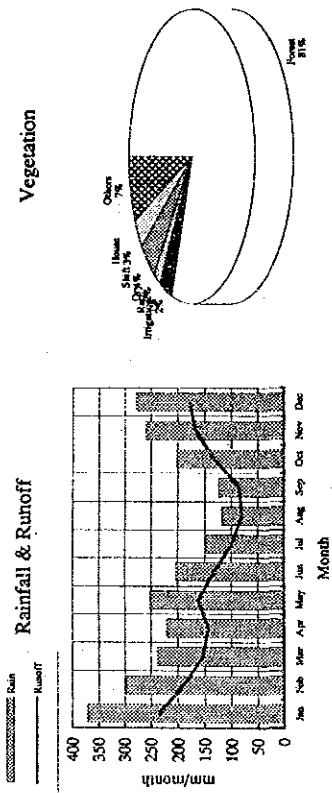
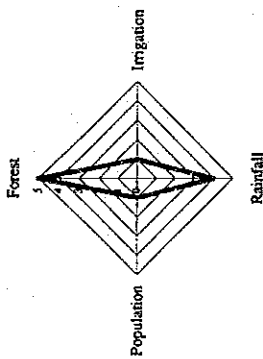
(8) Population

Category	Value
Urban	12,335
Rural	143,989
Total	156,324
Density	48

(9) Livestock

Category	Value
Cattle/Bufalo	33,100 heads
Sheep/Goat	10,800 heads
Pig	40,700 heads
Poultry	338,200 heads

(10) Type of Size : Small



**Table 2.2. Condition of River Basin (90/120)**

(1) River Basin Code = 5022 (2) River Basin Name = Sangkup  
 (3) River Basin Area = 3,710 km<sup>2</sup> (4) Representative Province = Sulawesi Utara  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
7101	Gorontalo	2,204 km <sup>2</sup>		
7102	Bolaang Mongondow	340 km <sup>2</sup>		
7171	Kotamadya Gorontalo	45 km <sup>2</sup>		

(6) Rainfall  
 a) Annual Rainfall = 1,428 mm  
 b) Coefficient of Variation = 0.23

(7) Vegetation

Category	Area
a) Forested Land	2,857 km <sup>2</sup>
b) Wet Paddy Field	59 km <sup>2</sup>
c) Upland Field	21 km <sup>2</sup>
Rainfed/Tidal/Swamp	171 km <sup>2</sup>
Garden/Dryfield	155 km <sup>2</sup>
Shifting Cultivation	116 km <sup>2</sup>
Glass Land	92 km <sup>2</sup>
House Compound	40 km <sup>2</sup>
Swamps/Dyke/Pond	199 km <sup>2</sup>
Fallow Land	

(8) Population

Category	Value
Urban	102,431
Rural	198,614
Total	301,045
Density	81

(9) Livestock

Category	Value
Cattle/Bufalo	37,500 heads
Sheep/Goat	12,300 heads
Pig	46,100 heads
Poultry	382,700 heads

(10) Type of Size : Middle

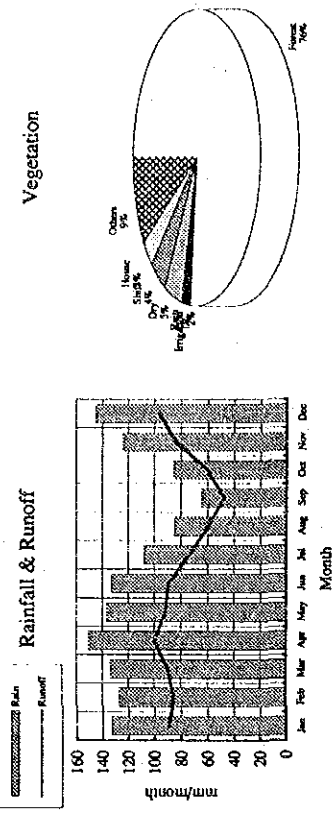
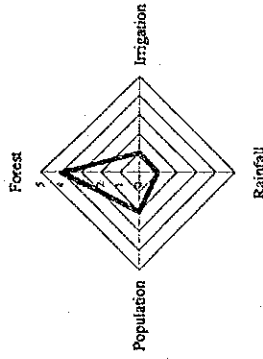


Table 2.2 Condition of River Basin (91/120)

(1) River Basin Code = 5031 (2) River Basin Name = Paleleh  
 (3) River Basin Area = 1,044 km<sup>2</sup> (4) Representative Province = Sulawesi Utara  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
7101	Gorontalo	630 km <sup>2</sup>		
7204	Buol/Toli-toli	167 km <sup>2</sup>		

(6) Rainfall  
 a) Annual Rainfall = 2,727 mm (11) Type of Development : Conservation  
 b) Coefficient of Variation = 0.33

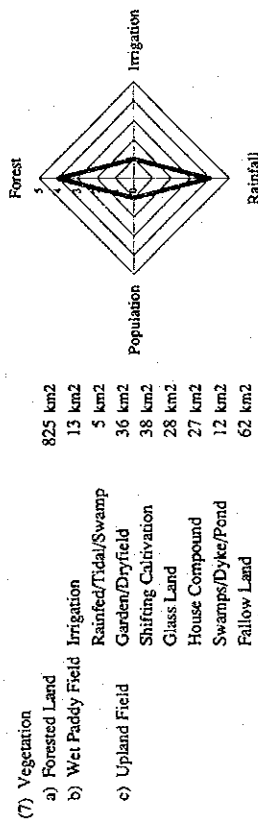
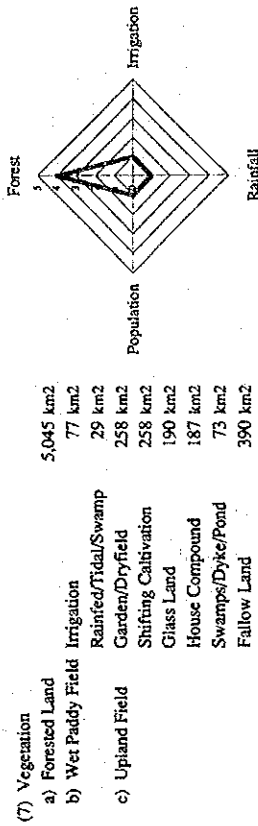


Table 2.2 Condition of River Basin (92/120)

(1) River Basin Code = 5032 (2) River Basin Name = Paleleh  
 (3) River Basin Area = 6,508 km<sup>2</sup> (4) Representative Province = Sulawesi Utara  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
7101	Gorontalo	4,495 km <sup>2</sup>		
7203	Donggala	107 km <sup>2</sup>		

(6) Rainfall  
 a) Annual Rainfall = 1,428 mm (11) Type of Development : Conservation  
 b) Coefficient of Variation = 0.23



**Table 2.2 Condition of River Basin (93/120)**

- (1) River Basin Code = 5041 (2) River Basin Name = Bual  
 (3) River Basin Area = 9,070 km<sup>2</sup> (4) Representative Province = Sulawesi Tengah  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
7101	Gorontalo	366 km <sup>2</sup>			
7203	Donggala	1,962 km <sup>2</sup>			
7204	Buol/Toli-toli	7,745 km <sup>2</sup>			

- (6) Rainfall  
 a) Annual Rainfall = 2,241 mm  
 b) Coefficient of Variation = 0.27

(11) Type of Development : Conservation

(7) Vegetation

Vegetation	Area
a) Forested Land	7,901 km <sup>2</sup>
b) Wet Paddy Field	171 km <sup>2</sup>
Irrigation	
Rainfed/Tidal/Swamp	45 km <sup>2</sup>
Garden/Dryfield	72 km <sup>2</sup>
Shifting Cultivation	177 km <sup>2</sup>
Glass Land	100 km <sup>2</sup>
House Compound	87 km <sup>2</sup>
Swamps/Dyke/Pond	85 km <sup>2</sup>
Fallow Land	433 km <sup>2</sup>

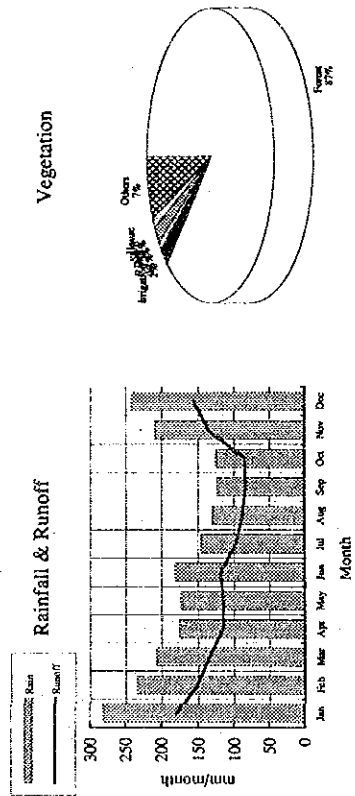
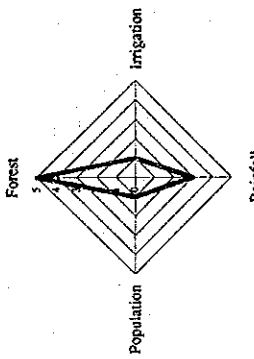
(8) Population

Population	Urban	Rural	Total	Density
	46,653	275,361	322,014	36

(9) Livestock

Livestock	Cattle/Bufalo	Sheep/Goat	Pig	Poultry
	60,300 heads	35,100 heads	25,800 heads	427,000 heads

(10) Type of Size : Small



**Table 2.2 Condition of River Basin (94/120)**

- (1) River Basin Code = 5042 (2) River Basin Name = Bual  
 (3) River Basin Area = 4,156 km<sup>2</sup> (4) Representative Province = Sulawesi Tengah  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
7203	Donggala	4,417 km <sup>2</sup>			
7204	Buol/Toli-toli	289 km <sup>2</sup>			

- (6) Rainfall  
 a) Annual Rainfall = 1,277 mm  
 b) Coefficient of Variation = 0.43

(11) Type of Development : Conservation

(7) Vegetation

Vegetation	Area
a) Forested Land	3,502 km <sup>2</sup>
b) Wet Paddy Field	144 km <sup>2</sup>
Irrigation	
Rainfed/Tidal/Swamp	21 km <sup>2</sup>
Garden/Dryfield	81 km <sup>2</sup>
Shifting Cultivation	149 km <sup>2</sup>
Glass Land	67 km <sup>2</sup>
House Compound	50 km <sup>2</sup>
Swamps/Dyke/Pond	16 km <sup>2</sup>
Fallow Land	126 km <sup>2</sup>

(8) Population

Population	Urban	Rural	Total	Density
	40,576	152,156	192,732	46

(9) Livestock

Livestock	Cattle/Bufalo	Sheep/Goat	Pig	Poultry
	26,800 heads	16,200 heads	9,600 heads	182,300 heads

(10) Type of Size : Small

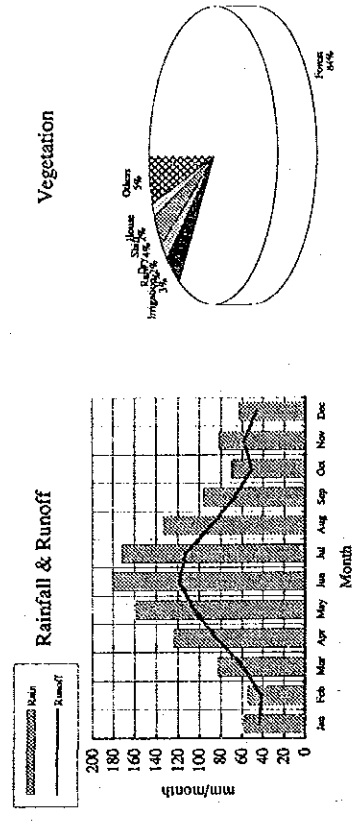
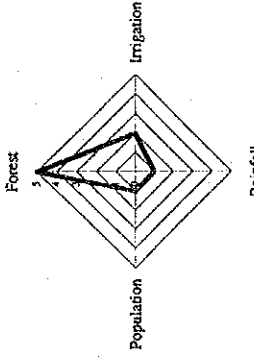


Table 2.2 Condition of River Basin (95/120)

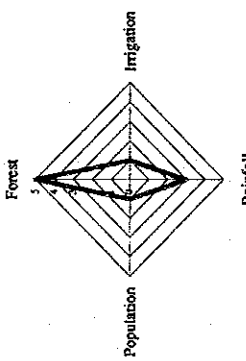
- (1) River Basin Code = 5050 (2) River Basin Name = Parigi Poso  
 (3) River Basin Area = 9,700 km<sup>2</sup> (4) Representative Province = Sulawesi Tengah  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
7202	Poso	8,423 km <sup>2</sup>		
7203	Donggala	2,187 km <sup>2</sup>		
7317	Luwu	129 km <sup>2</sup>		

- (6) Rainfall  
 a) Annual Rainfall = 2,407 mm  
 b) Coefficient of Variation = 0.32

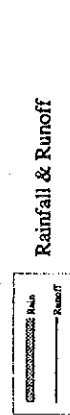
(11) Type of Development : Development

- (7) Vegetation
- |                       |                       |
|-----------------------|-----------------------|
| a) Forested Land      | 8,324 km <sup>2</sup> |
| b) Wet Paddy Field    | 115 km <sup>2</sup>   |
| c) Upland Field       | 80 km <sup>2</sup>    |
| Irrigated/Tidal/Swamp | 23 km <sup>2</sup>    |
| Garden/Dryfield       | 148 km <sup>2</sup>   |
| Shifting Cultivation  | 102 km <sup>2</sup>   |
| Glass Land            | 197 km <sup>2</sup>   |
| House Compound        | 52 km <sup>2</sup>    |
| Swamps/Dyke/Pond      | 659 km <sup>2</sup>   |
| Fallow Land           |                       |



- (8) Population
- |         |         |               |               |
|---------|---------|---------------|---------------|
| Urban   | 30,520  | Cattle/Bufalo | 62,800 heads  |
| Rural   | 163,687 | Sheep/Goat    | 37,100 heads  |
| Total   | 194,207 | Pig           | 21,600 heads  |
| Density | 20      | Poultry       | 436,500 heads |

(10) Type of Size : Middle



Vegetation

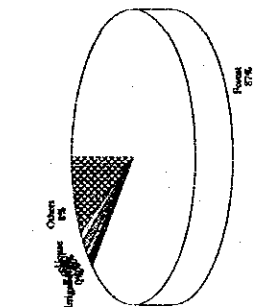


Table 2.2 Condition of River Basin (96/120)

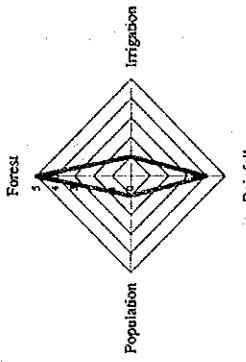
- (1) River Basin Code = 5061 (2) River Basin Name = Parigi Poso  
 (3) River Basin Area = 3,467 km<sup>2</sup> (4) Representative Province = Sulawesi Tengah  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
7201	Luwu/Banggai	379 km <sup>2</sup>		
7202	Poso	3,605 km <sup>2</sup>		

- (6) Rainfall  
 a) Annual Rainfall = 2,912 mm  
 b) Coefficient of Variation = 0.33

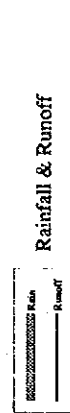
(11) Type of Development : Development

- (7) Vegetation
- |                       |                       |
|-----------------------|-----------------------|
| a) Forested Land      | 2,950 km <sup>2</sup> |
| b) Wet Paddy Field    | 22 km <sup>2</sup>    |
| c) Upland Field       | 6 km <sup>2</sup>     |
| Irrigated/Tidal/Swamp | 20 km <sup>2</sup>    |
| Garden/Dryfield       | 52 km <sup>2</sup>    |
| Shifting Cultivation  | 41 km <sup>2</sup>    |
| Glass Land            | 76 km <sup>2</sup>    |
| House Compound        | 19 km <sup>2</sup>    |
| Swamps/Dyke/Pond      | 282 km <sup>2</sup>   |
| Fallow Land           |                       |

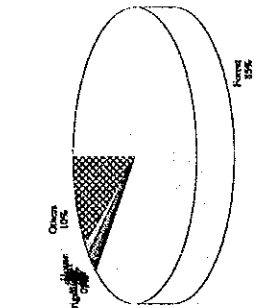


- (8) Population
- |         |        |               |               |
|---------|--------|---------------|---------------|
| Urban   | 5,801  | Cattle/Bufalo | 22,300 heads  |
| Rural   | 46,501 | Sheep/Goat    | 13,500 heads  |
| Total   | 52,302 | Pig           | 7,800 heads   |
| Density | 15     | Poultry       | 151,200 heads |

(10) Type of Size : Middle



Vegetation





**Table 2.2 Condition of River Basin (97/120)**

- (1) River Basin Code = 5062
- (2) River Basin Name = Bunta
- (3) River Basin Area = 5,536 km<sup>2</sup>
- (4) Representative Province = Sulawesi Tengah
- (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
7201	Luwuk/Banggai	4,415 km <sup>2</sup>			
7202	Poso	1,893 km <sup>2</sup>			

- (6) Rainfall
  - a) Annual Rainfall = 2,912 mm
  - b) Coefficient of Variation = 0.33

(7) Vegetation

Vegetation Type	Area (km <sup>2</sup> )
a) Forested Land	4,488
b) Wet Paddy Field	50
c) Upland Field	10
Irrigated/Tidal/Swamp	55
Garden/Dryfield	262
Shifting Cultivation	146
Glass Land	66
House Compound	15
Swamps/Dyke/Pond	444
Fallow Land	

(8) Population

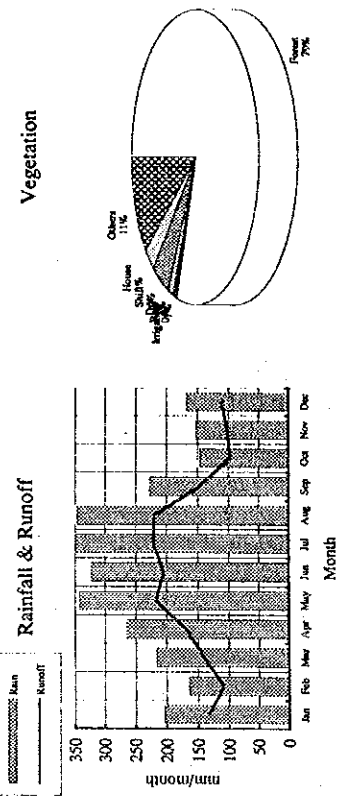
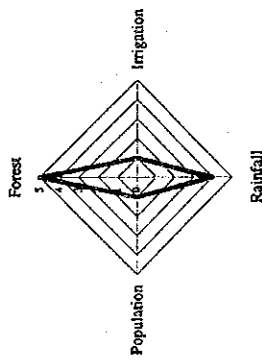
Category	Value
Urban	17,734
Rural	119,439
Total	137,173
Density	25

(9) Livestock

Livestock Type	Quantity
Cattle/Buffalo	35,600 heads
Sheep/Goat	21,600 heads
Pig	12,500 heads
Poultry	241,400 heads

(10) Type of Size : Small

(11) Type of Development : Conservation



**Table 2.2 Condition of River Basin (98/120)**

- (1) River Basin Code = 5070
- (2) River Basin Name = Bunta
- (3) River Basin Area = 7,809 km<sup>2</sup>
- (4) Representative Province = Sulawesi Tengah
- (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
7201	Luwuk/Banggai	8,499 km <sup>2</sup>			
7202	Poso	382 km <sup>2</sup>			

- (6) Rainfall
  - a) Annual Rainfall = 1,838 mm
  - b) Coefficient of Variation = 0.55

(7) Vegetation

Vegetation Type	Area (km <sup>2</sup> )
a) Forested Land	6,196
b) Wet Paddy Field	80
c) Upland Field	14
Irrigated/Tidal/Swamp	92
Garden/Dryfield	476
Shifting Cultivation	253
Glass Land	62
House Compound	12
Swamps/Dyke/Pond	624
Fallow Land	

(8) Population

Category	Value
Urban	30,078
Rural	195,538
Total	225,616
Density	29

(9) Livestock

Livestock Type	Quantity
Cattle/Buffalo	50,300 heads
Sheep/Goat	30,500 heads
Pig	17,700 heads
Poultry	341,000 heads

(10) Type of Size : Small

(11) Type of Development : Conservation

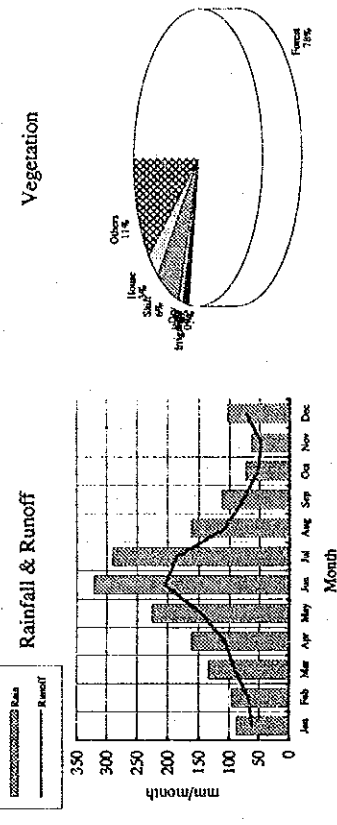
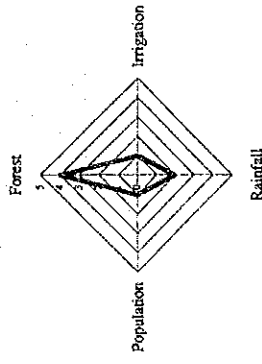


Table 2.2 Condition of River Basin (99/120)

- (1) River Basin Code = 5080 (2) River Basin Name = Laa-Tambalako  
 (3) River Basin Area = 9,463 km<sup>2</sup> (4) Representative Province = Sulawesi Tengah  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
7202	Poso	10,820 km <sup>2</sup>		
7317	Luwu	72 km <sup>2</sup>		

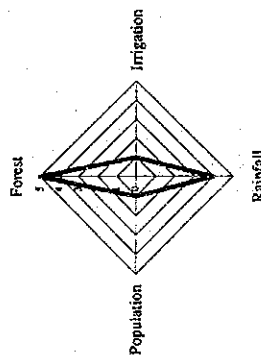
(6) Rainfall

- a) Annual Rainfall = 2,851 mm  
 b) Coefficient of Variation = 0.32

(11) Type of Development : Conservation

(7) Vegetation

- a) Forested Land 8,108 km<sup>2</sup>  
 b) Wet Paddy Field Irrigation 56 km<sup>2</sup>  
 Rainfed/Tidal/Swamp 16 km<sup>2</sup>  
 Garden/Dryfield 50 km<sup>2</sup>  
 Shifting Cultivation 95 km<sup>2</sup>  
 Glass Land 89 km<sup>2</sup>  
 House Compound 221 km<sup>2</sup>  
 Swamps/Dyke/Pond 57 km<sup>2</sup>  
 Fallow Land 770 km<sup>2</sup>



(8) Population

- Urban 13,726  
 Rural 115,900  
 Total 129,626  
 Density 14

(9) Livestock

- Cattle/Bufalo 62,500 heads  
 Sheep/Goat 37,300 heads  
 Pig 21,700 heads  
 Poultry 428,700 heads

(10) Type of Size : Middle



Rainfall & Runoff

Vegetation

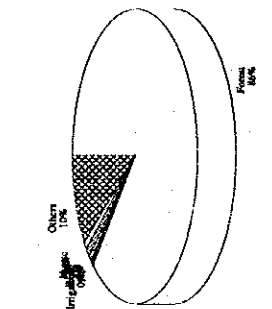


Table 2.2 Condition of River Basin (100/120)

- (1) River Basin Code = 5091 (2) River Basin Name = Laa-Tambalako  
 (3) River Basin Area = 9,518 km<sup>2</sup> (4) Representative Province = Sulawesi Tengah  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
7202	Poso	1,790 km <sup>2</sup>		
7203	Donggala	6,630 km <sup>2</sup>		
7317	Luwu	1,322 km <sup>2</sup>		

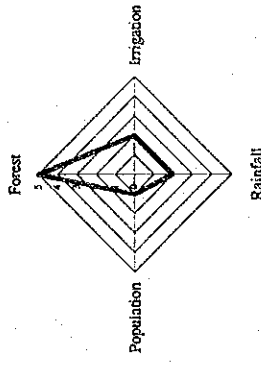
(6) Rainfall

- a) Annual Rainfall = 1,619 mm  
 b) Coefficient of Variation = 0.14

(11) Type of Development : Conservation

(7) Vegetation

- a) Forested Land 7,131 km<sup>2</sup>  
 b) Wet Paddy Field Irrigation 248 km<sup>2</sup>  
 Rainfed/Tidal/Swamp 46 km<sup>2</sup>  
 Garden/Dryfield 152 km<sup>2</sup>  
 Shifting Cultivation 265 km<sup>2</sup>  
 Glass Land 119 km<sup>2</sup>  
 House Compound 133 km<sup>2</sup>  
 Swamps/Dyke/Pond 47 km<sup>2</sup>  
 Fallow Land 376 km<sup>2</sup>



(8) Population

- Urban 66,600  
 Rural 271,669  
 Total 338,269  
 Density 40

(9) Livestock

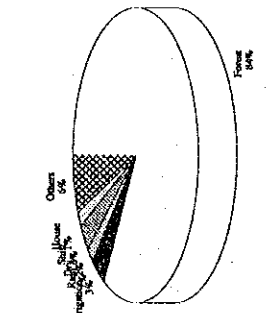
- Cattle/Bufalo 82,000 heads  
 Sheep/Goat 39,700 heads  
 Pig 24,000 heads  
 Poultry 665,100 heads

(10) Type of Size : Middle



Rainfall & Runoff

Vegetation



**Table 2.2 Condition of River Basin (101/120)**

- (1) River Basin Code = 5092 (2) River Basin Name = Lariang  
 (3) River Basin Area = 6,317 km<sup>2</sup> (4) Representative Province = Sulawesi Tengah  
 (5) Regency

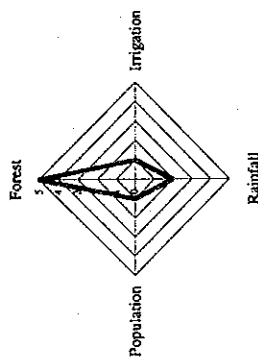
Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
7203	Donggala	3,318 km <sup>2</sup>			
7321	Mamuju	3,941 km <sup>2</sup>			

(6) Rainfall

- a) Annual Rainfall = 1,619 mm (11) Type of Development : Conservation  
 b) Coefficient of Variation = 0.14

(7) Vegetation

Vegetation	Area	Population	Irrigation
a) Forested Land	5,518 km <sup>2</sup>		
b) Wet Paddy Field	119 km <sup>2</sup>		
	37 km <sup>2</sup>		
	68 km <sup>2</sup>		
c) Upland Field	153 km <sup>2</sup>		
	78 km <sup>2</sup>		
	136 km <sup>2</sup>		
	50 km <sup>2</sup>		
	159 km <sup>2</sup>		



(8) Population

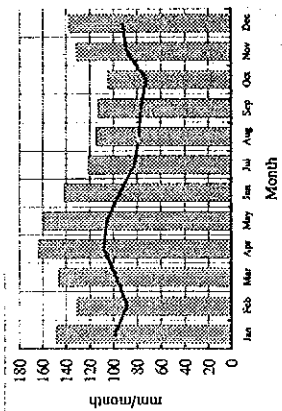
Population	Urban	Rural	Total	Density
Urban	34,406			
Rural		159,967		
Total			194,373	
Density			31	

(9) Livestock

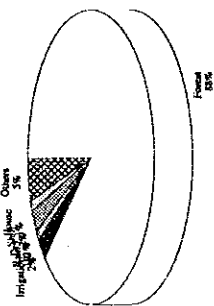
Livestock	Cattle/Buffalo	Sheep/Goat	Pig	Poultry
Cattle/Buffalo	125,600 heads			
Sheep/Goat		45,000 heads		
Pig			29,200 heads	
Poultry				1,187,900 heads

(10) Type of Size : Large

**Rainfall & Runoff**



**Vegetation**



**Table 2.2 Condition of River Basin (102/120)**

- (1) River Basin Code = 5101 (2) River Basin Name = Lariang  
 (3) River Basin Area = 7,358 km<sup>2</sup> (4) Representative Province = Sulawesi Tengah  
 (5) Regency

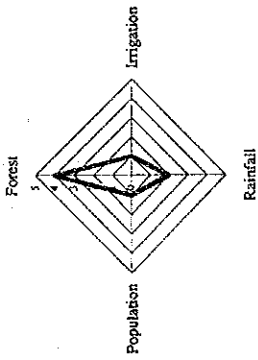
Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
7202	Poso	1,907 km <sup>2</sup>			
7317	Luwu	91 km <sup>2</sup>			
7403	Kendari	4,402 km <sup>2</sup>			

(6) Rainfall

- a) Annual Rainfall = 1,817 mm (11) Type of Development : Conservation  
 b) Coefficient of Variation = 0.35

(7) Vegetation

Vegetation	Area	Population	Irrigation
a) Forested Land	5,412 km <sup>2</sup>		
b) Wet Paddy Field	75 km <sup>2</sup>		
	63 km <sup>2</sup>		
	283 km <sup>2</sup>		
c) Upland Field	220 km <sup>2</sup>		
	189 km <sup>2</sup>		
	335 km <sup>2</sup>		
	146 km <sup>2</sup>		
	634 km <sup>2</sup>		



(8) Population

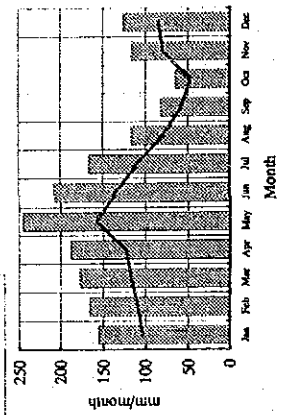
Population	Urban	Rural	Total	Density
Urban	40,110			
Rural		162,609		
Total			202,719	
Density			28	

(9) Livestock

Livestock	Cattle/Buffalo	Sheep/Goat	Pig	Poultry
Cattle/Buffalo	49,500 heads			
Sheep/Goat		26,300 heads		
Pig			6,300 heads	
Poultry				839,900 heads

(10) Type of Size : Middle

**Rainfall & Runoff**



**Vegetation**

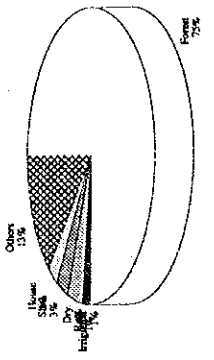


Table 2.2 Condition of River Basin (103/120)

(1) River Basin Code = 5102 (2) River Basin Name = Lasolo  
 (3) River Basin Area = 7,426 km<sup>2</sup> (4) Representative Province = Sulawesi Tenggara  
 (5) Regency

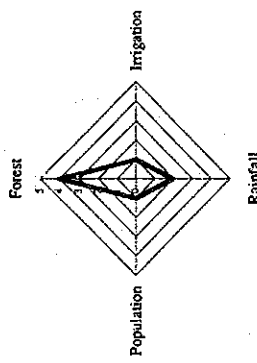
Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
7403	Kendari	3,865 km <sup>2</sup>			
7404	Kolaka	1,962 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 1,817 mm  
 b) Coefficient of Variation = 0.35

(11) Type of Development : Conservation

(7) Vegetation

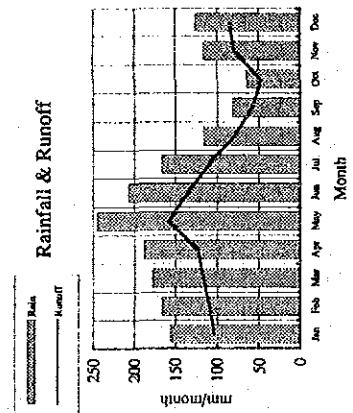
Vegetation	Area	Population	Irrigation
a) Forested Land	5,499 km <sup>2</sup>		
b) Wet Paddy Field	87 km <sup>2</sup>		
c) Upland Field	62 km <sup>2</sup>		
	283 km <sup>2</sup>		
	246 km <sup>2</sup>		
	182 km <sup>2</sup>		
	276 km <sup>2</sup>		
	209 km <sup>2</sup>		
	582 km <sup>2</sup>		



(8) Population

Category	Value	(9) Livestock
Urban	40,641	Cattle/Bufalo: 48,200 heads
Rural	185,148	Sheep/Goat: 25,100 heads
Total	225,789	Pig: 2,700 heads
Density	30	Poultry: 982,300 heads

(10) Type of Size : Middle



Rainfall & Runoff

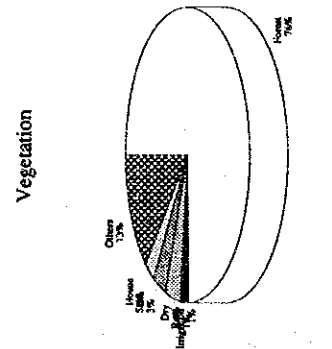


Table 2.2 Condition of River Basin (104/120)

(1) River Basin Code = 5111 (2) River Basin Name = Lasolo  
 (3) River Basin Area = 6,552 km<sup>2</sup> (4) Representative Province = Sulawesi Tenggara  
 (5) Regency

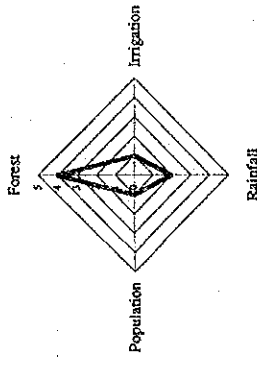
Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
7401	Buroni	1,650 km <sup>2</sup>			
7403	Kendari	3,160 km <sup>2</sup>			
7404	Kolaka	312 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 1,896 mm  
 b) Coefficient of Variation = 0.44

(11) Type of Development : Conservation

(7) Vegetation

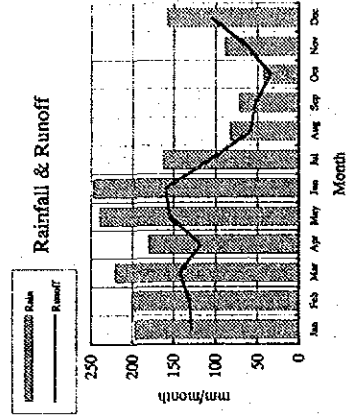
Vegetation	Area	Population	Irrigation
a) Forested Land	4,615 km <sup>2</sup>		
b) Wet Paddy Field	63 km <sup>2</sup>		
c) Upland Field	53 km <sup>2</sup>		
	260 km <sup>2</sup>		
	349 km <sup>2</sup>		
	248 km <sup>2</sup>		
	256 km <sup>2</sup>		
	131 km <sup>2</sup>		
	578 km <sup>2</sup>		



(8) Population

Category	Value	(9) Livestock
Urban	50,883	Cattle/Bufalo: 42,500 heads
Rural	211,175	Sheep/Goat: 22,200 heads
Total	262,058	Pig: 2,400 heads
Density	40	Poultry: 866,700 heads

(10) Type of Size : Middle



Rainfall & Runoff

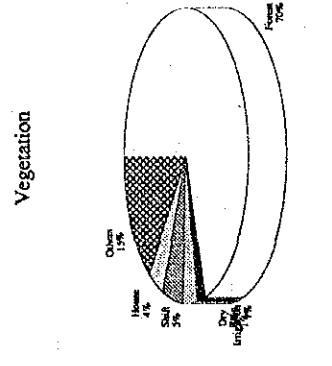


Table 2.2 Condition of River Basin (105/120)

(1) River Basin Code = 5112 (2) River Basin Name = Muna Buton  
 (3) River Basin Area = 9,434 km<sup>2</sup> (4) Representative Province = Sulawesi Tenggara

(5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
7401	Buton	3,319 km <sup>2</sup>			
7402	Muna	3,545 km <sup>2</sup>			
7403	Kendari	527 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 1,720 mm (11) Type of Development : Conservation  
 b) Coefficient of Variation = 0.53

(7) Vegetation

Category	Area (km <sup>2</sup> )
a) Forested Land	6,496
b) Wet Paddy Field	34
c) Upland Field	25
Irrigation	226
Rainfed/Tidal/Swamp	746
Garden/Dryfield	349
Shifting Cultivation	119
Glass Land	57
House Compound	1,382
Swamps/Dyke/Pond	
Fallow Land	

(8) Population

Category	Value
Urban	77,092
Rural	417,322
Total	494,414
Density	52

(9) Livestock

Category	Value
Cattle/Buffalo	61,200 heads
Sheep/Goat	31,900 heads
Pig	3,400 heads
Poultry	1,247,900 heads

(10) Type of Size : Small

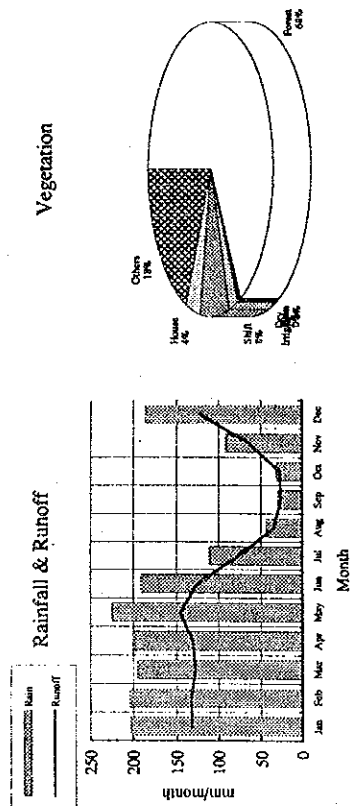
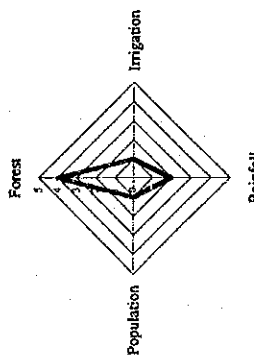


Table 2.2 Condition of River Basin (106/120)

(1) River Basin Code = 5120 (2) River Basin Name = Muna Buton  
 (3) River Basin Area = 6,217 km<sup>2</sup> (4) Representative Province = Sulawesi Tenggara

(5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
7317	Luwu	443 km <sup>2</sup>			
7401	Buton	327 km <sup>2</sup>			
7404	Kolaka	4,243 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 2,336 mm (11) Type of Development : Conservation  
 b) Coefficient of Variation = 0.33

(7) Vegetation

Category	Area (km <sup>2</sup> )
a) Forested Land	5,056
b) Wet Paddy Field	80
c) Upland Field	26
Irrigation	115
Rainfed/Tidal/Swamp	198
Garden/Dryfield	92
Shifting Cultivation	54
Glass Land	207
House Compound	389
Swamps/Dyke/Pond	
Fallow Land	

(8) Population

Category	Value
Urban	23,140
Rural	166,724
Total	189,864
Density	31

(9) Livestock

Category	Value
Cattle/Buffalo	49,300 heads
Sheep/Goat	23,300 heads
Pig	4,600 heads
Poultry	882,900 heads

(10) Type of Size : Small

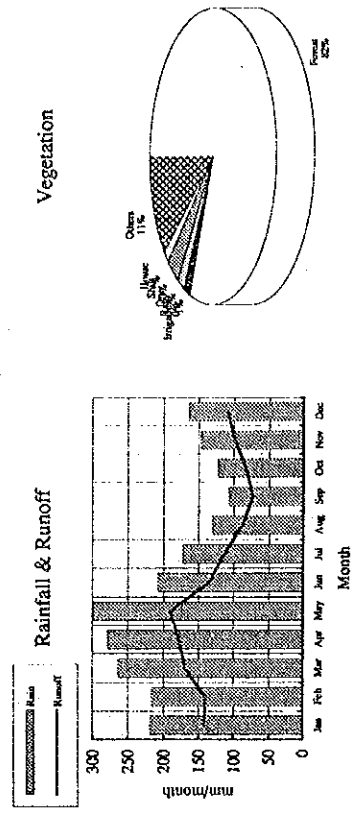
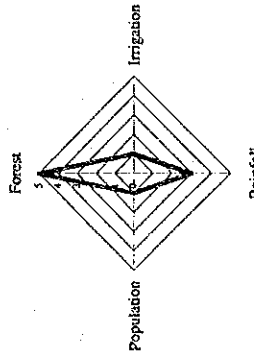


Table 2.2 Condition of River Basin (107/120)

- (1) River Basin Code = 5131 (2) River Basin Name = Budung-budung  
 (3) River Basin Area = 3,419 km<sup>2</sup> (4) Representative Province = Sulawesi Selatan  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
7317	Luwu	157 km <sup>2</sup>			
7321	Mamuju	3,765 km <sup>2</sup>			

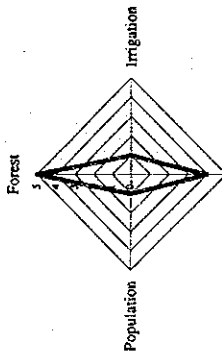
(6) Rainfall

a) Annual Rainfall = 2,722 mm  
 b) Coefficient of Variation = 0.34

(11) Type of Development : Conservation

(7) Vegetation

Vegetation	Area
a) Forested Land	3,068 km <sup>2</sup>
b) Wet Paddy Field	18 km <sup>2</sup>
c) Upland Field	23 km <sup>2</sup>
Irrigation	12 km <sup>2</sup>
Rainfed/Tidal/Swamp	48 km <sup>2</sup>
Garden/Dryfield	29 km <sup>2</sup>
Shifting Cultivation	99 km <sup>2</sup>
Glass Land	41 km <sup>2</sup>
House Compound	82 km <sup>2</sup>
Swamps/Dyke/Pond	
Fallow Land	



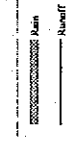
(8) Population

Category	Value
Urban	5,548
Rural	55,048
Total	60,596
Density	18

(9) Livestock

Category	Value
Cattle/Bufalo	106,500 heads
Sheep/Goat	33,600 heads
Pig	22,500 heads
Poultry	1,055,900 heads

(10) Type of Size : Middle



Rainfall & Runoff

Vegetation

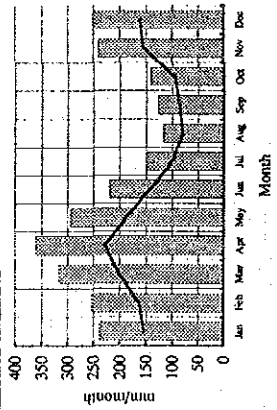


Table 2.2 Condition of River Basin (108/120)

- (1) River Basin Code = 5132 (2) River Basin Name = Budung-budung  
 (3) River Basin Area = 5,669 km<sup>2</sup> (4) Representative Province = Sulawesi Selatan  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
7203	Donggala	179 km <sup>2</sup>			
7317	Luwu	3,248 km <sup>2</sup>			
7318	Tana Toraja	204 km <sup>2</sup>			
7319	Polewar Mamasa	261 km <sup>2</sup>			
7321	Mamuju	2,799 km <sup>2</sup>			

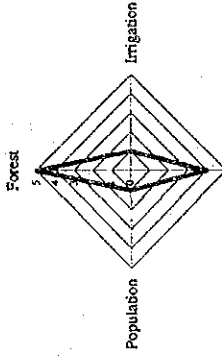
(6) Rainfall

a) Annual Rainfall = 2,722 mm  
 b) Coefficient of Variation = 0.34

(11) Type of Development : Conservation

(7) Vegetation

Vegetation	Area
a) Forested Land	4,703 km <sup>2</sup>
b) Wet Paddy Field	100 km <sup>2</sup>
c) Upland Field	61 km <sup>2</sup>
Irrigation	73 km <sup>2</sup>
Rainfed/Tidal/Swamp	137 km <sup>2</sup>
Garden/Dryfield	55 km <sup>2</sup>
Shifting Cultivation	163 km <sup>2</sup>
Glass Land	81 km <sup>2</sup>
House Compound	297 km <sup>2</sup>
Swamps/Dyke/Pond	
Fallow Land	



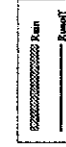
(8) Population

Category	Value
Urban	22,708
Rural	165,696
Total	188,404
Density	33

(9) Livestock

Category	Value
Cattle/Bufalo	174,300 heads
Sheep/Goat	55,200 heads
Pig	37,000 heads
Poultry	1,726,600 heads

(10) Type of Size : Middle



Rainfall & Runoff

Vegetation

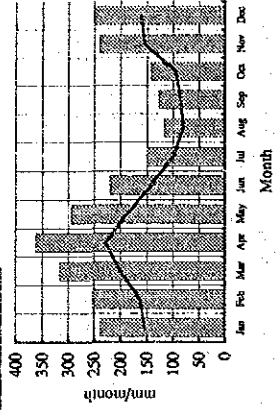


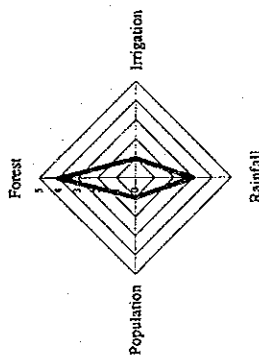
Table 2.2 Condition of River Basin (109/120)

(1) River Basin Code = 5133 (2) River Basin Name = Mamuju  
 (3) River Basin Area = 3,285 km<sup>2</sup> (4) Representative Province = Sulawesi Selatan  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
7319	Polewari Mamasa	678 km <sup>2</sup>		
7320	Mejene	1,272 km <sup>2</sup>		
7321	Mamuju	1,858 km <sup>2</sup>		

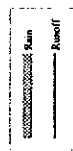
(6) Rainfall  
 a) Annual Rainfall = 2,059 mm (11) Type of Development : Conservation  
 b) Coefficient of Variation = 0.29

(7) Vegetation  
 a) Forested Land 2,624 km<sup>2</sup>  
 b) Wet Paddy Field Irrigation 27 km<sup>2</sup>  
 Rainfed/Tidal/Swamp 47 km<sup>2</sup>  
 c) Upland Field 20 km<sup>2</sup>  
 Garden/Dryfield 110 km<sup>2</sup>  
 Shifting Cultivation 92 km<sup>2</sup>  
 Glass Land 239 km<sup>2</sup>  
 House Compound 35 km<sup>2</sup>  
 Swamps/Dyke/Pond 92 km<sup>2</sup>  
 Fallow Land

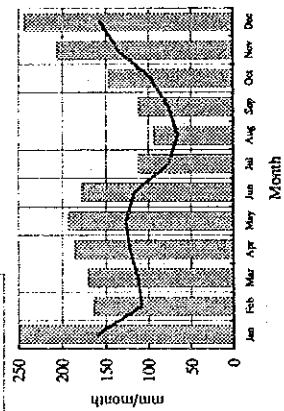


(8) Population  
 Urban 41,123 Cattle/Buffalo 103,300 heads  
 Rural 146,424 Sheep/Goat 32,500 heads  
 Total 187,547 Pig 21,800 heads  
 Density 57 Poultry 1,025,100 heads

(10) Type of Size : Small



Rainfall & Runoff



Vegetation

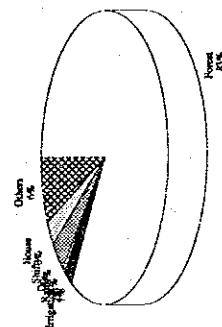


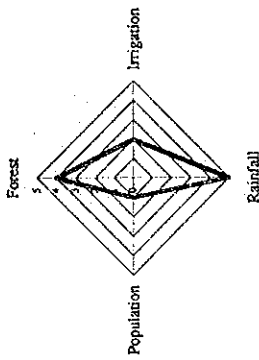
Table 2.2 Condition of River Basin (110/120)

(1) River Basin Code = 5141 (2) River Basin Name = Mamuju  
 (3) River Basin Area = 2,895 km<sup>2</sup> (4) Representative Province = Sulawesi Selatan  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
7317	Luwu	3,442 km <sup>2</sup>		

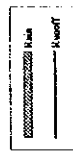
(6) Rainfall  
 a) Annual Rainfall = 3,099 mm (11) Type of Development : Conservation  
 b) Coefficient of Variation = 0.39

(7) Vegetation  
 a) Forested Land 2,282 km<sup>2</sup>  
 b) Wet Paddy Field Irrigation 76 km<sup>2</sup>  
 Rainfed/Tidal/Swamp 38 km<sup>2</sup>  
 c) Upland Field 64 km<sup>2</sup>  
 Garden/Dryfield 85 km<sup>2</sup>  
 Shifting Cultivation 20 km<sup>2</sup>  
 Glass Land 65 km<sup>2</sup>  
 House Compound 49 km<sup>2</sup>  
 Swamps/Dyke/Pond 217 km<sup>2</sup>  
 Fallow Land

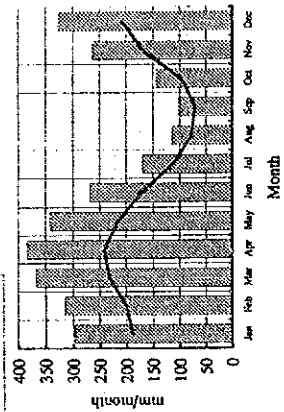


(8) Population  
 Urban 13,539 Cattle/Buffalo 91,000 heads  
 Rural 97,710 Sheep/Goat 28,700 heads  
 Total 111,249 Pig 19,200 heads  
 Density 38 Poultry 903,200 heads

(10) Type of Size : Middle



Rainfall & Runoff



Vegetation

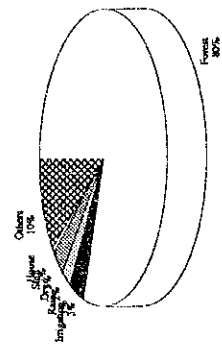


Table 2.2 Condition of River Basin (111/120)

(1) River Basin Code = 5142 (2) River Basin Name = Balease  
 (3) River Basin Area = 2,703 km<sup>2</sup> (4) Representative Province = Sulawesi Selatan  
 (5) Regency

Code Name of Kabupaten Area Code Name of Kabupaten Area  
 7317 Luwu 3,256 km<sup>2</sup>

(6) Rainfall  
 a) Annual Rainfall = 3,467 mm (11) Type of Development : Conservation  
 b) Coefficient of Variation = 0.33

(7) Vegetation  
 a) Forested Land 2,133 km<sup>2</sup>  
 b) Wet Paddy Field Irrigation 70 km<sup>2</sup>  
 Rainfed/Tidal/Swamp 35 km<sup>2</sup>  
 Garden/Dryfield 60 km<sup>2</sup>  
 Shifting Cultivation 80 km<sup>2</sup>  
 Glass Land 19 km<sup>2</sup>  
 House Compound 60 km<sup>2</sup>  
 Swamps/Dyke/Pond 46 km<sup>2</sup>  
 Fallow Land 200 km<sup>2</sup>  
 Population  
 Irrigation  
 Rainfall

(8) Population  
 Urban 12,533 Cattle/Buffalo 85,000 heads  
 Rural 88,947 Sheep/Goat 26,800 heads  
 Total 101,480 Pig 18,000 heads  
 Density 38 Poultry 843,400 heads

(10) Type of Size : Middle

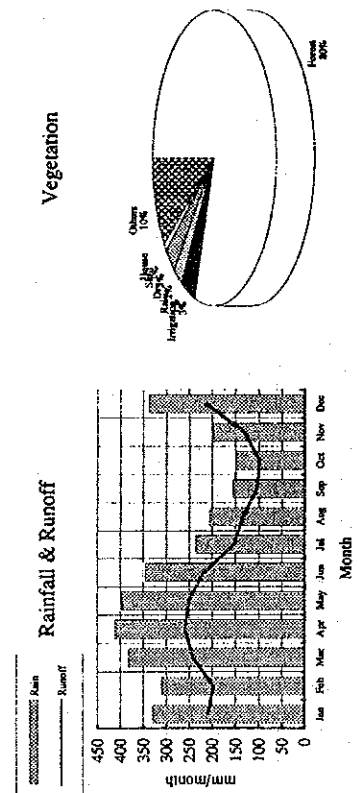


Table 2.2 Condition of River Basin (112/120)

(1) River Basin Code = 5143 (2) River Basin Name = Balease  
 (3) River Basin Area = 3,451 km<sup>2</sup> (4) Representative Province = Sulawesi Selatan  
 (5) Regency

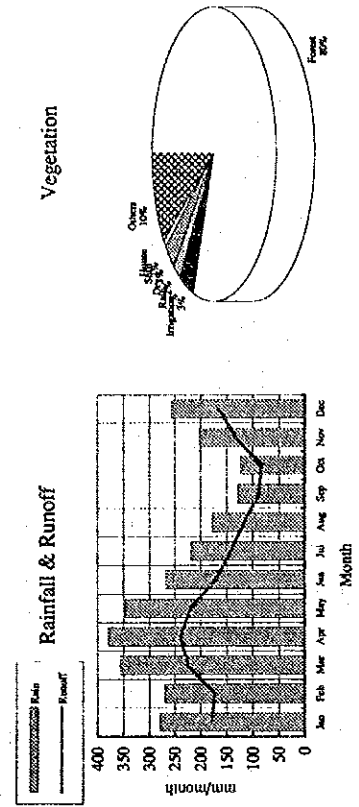
Code Name of Kabupaten Area Code Name of Kabupaten Area  
 7202 Poso 98 km<sup>2</sup>  
 7317 Luwu 4,054 km<sup>2</sup>

(6) Rainfall  
 a) Annual Rainfall = 3,014 mm (11) Type of Development : Conservation  
 b) Coefficient of Variation = 0.33

(7) Vegetation  
 a) Forested Land 2,729 km<sup>2</sup>  
 b) Wet Paddy Field Irrigation 88 km<sup>2</sup>  
 Rainfed/Tidal/Swamp 44 km<sup>2</sup>  
 Garden/Dryfield 75 km<sup>2</sup>  
 Shifting Cultivation 100 km<sup>2</sup>  
 Glass Land 24 km<sup>2</sup>  
 House Compound 77 km<sup>2</sup>  
 Swamps/Dyke/Pond 57 km<sup>2</sup>  
 Fallow Land 256 km<sup>2</sup>  
 Population  
 Irrigation  
 Rainfall

(8) Population  
 Urban 15,728 Cattle/Buffalo 106,400 heads  
 Rural 111,788 Sheep/Goat 33,700 heads  
 Total 127,516 Pig 22,500 heads  
 Density 37 Poultry 1,053,900 heads

(10) Type of Size : Middle





**Table 2.2 Condition of River Basin (113/120)**

(1) River Basin Code = 5144 (2) River Basin Name = Laroma  
 (3) River Basin Area = 4,025 km<sup>2</sup> (4) Representative Province = Sulawesi Selatan  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
7202	Poso	439 km <sup>2</sup>			
7317	Luwu	2,983 km <sup>2</sup>			
7403	Kendari	175 km <sup>2</sup>			
7404	Kolaka	183 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 2,827 mm  
 b) Coefficient of Variation = 0.34

(11) Type of Development : Conservation

(7) Vegetation

a) Forested Land	3,340 km <sup>2</sup>
b) Wet Paddy Field	72 km <sup>2</sup>
Irrigation	
Rainfed/Tidal/Swamp	36 km <sup>2</sup>
Garden/Dryfield	72 km <sup>2</sup>
Shifting Cultivation	91 km <sup>2</sup>
Glass Land	31 km <sup>2</sup>
House Compound	78 km <sup>2</sup>
Swamps/Dyke/Pond	58 km <sup>2</sup>
Fallow Land	248 km <sup>2</sup>

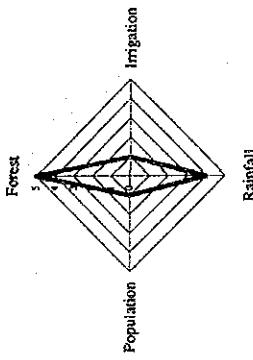
(8) Population

Urban	14,240
Rural	97,463
Total	111,703
Density	28

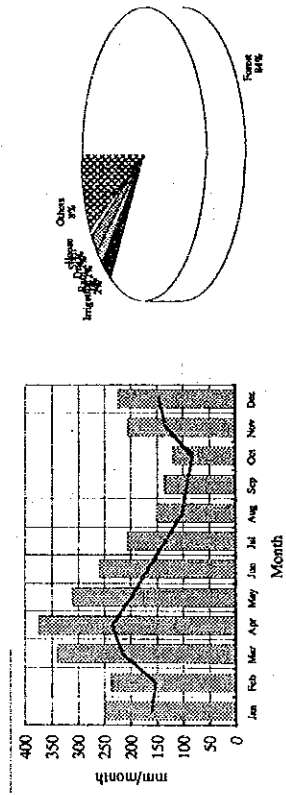
(9) Livestock

Cattle/Bufalo	83,300 heads
Sheep/Goat	27,600 heads
Pig	17,500 heads
Poultry	849,500 heads

(10) Type of Size : Middle



**Rainfall & Runoff**



**Table 2.2 Condition of River Basin (114/120)**

(1) River Basin Code = 5151 (2) River Basin Name = Laroma  
 (3) River Basin Area = 2,722 km<sup>2</sup> (4) Representative Province = Sulawesi Selatan  
 (5) Regency

Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
7315	Pinrang	533 km <sup>2</sup>			
7319	Polewali Mamasa	2,562 km <sup>2</sup>			
7320	Mejene	60 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 2,067 mm  
 b) Coefficient of Variation = 0.24

(11) Type of Development : Conservation

(7) Vegetation

a) Forested Land	1,621 km <sup>2</sup>
b) Wet Paddy Field	173 km <sup>2</sup>
Irrigation	
Rainfed/Tidal/Swamp	61 km <sup>2</sup>
Garden/Dryfield	40 km <sup>2</sup>
Shifting Cultivation	222 km <sup>2</sup>
Glass Land	137 km <sup>2</sup>
House Compound	250 km <sup>2</sup>
Swamps/Dyke/Pond	76 km <sup>2</sup>
Fallow Land	142 km <sup>2</sup>

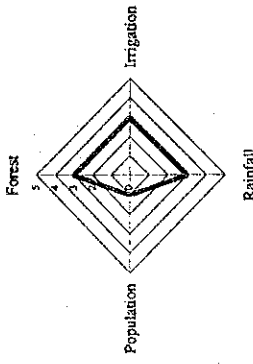
(8) Population

Urban	48,005
Rural	234,109
Total	282,114
Density	104

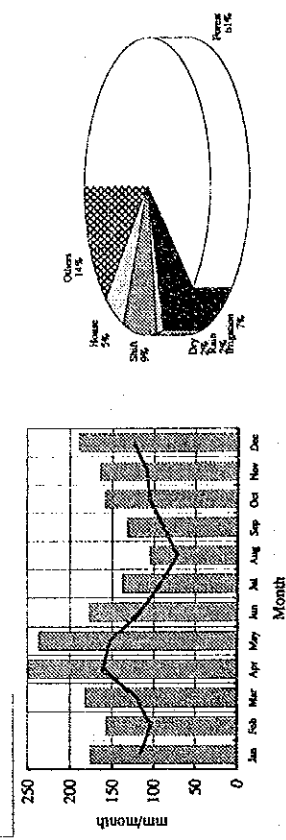
(9) Livestock

Cattle/Bufalo	85,600 heads
Sheep/Goat	27,000 heads
Pig	18,100 heads
Poultry	849,200 heads

(10) Type of Size : Middle



**Rainfall & Runoff**



**Table 2.2 Condition of River Basin (115/120)**

(1) River Basin Code = 5152 (2) River Basin Name = Sadang  
 (3) River Basin Area = 6,261 km<sup>2</sup> (4) Representative Province = Sulawesi Selatan  
 (5) Regency

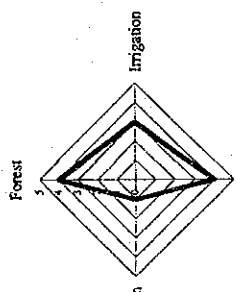
Code	Name of Kabupaten	Area	Name of Kabupaten	Area	
7315	Pinarang	995 km <sup>2</sup>	7321	Mamuju	84
7316	Enrekang	1,147 km <sup>2</sup>			
7317	Luwu	183 km <sup>2</sup>			
7318	Tana Toraja	3,394 km <sup>2</sup>			
7319	Polewali Mamasa	1,462 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 2,580 mm  
 b) Coefficient of Variation = 0.38

(11) Type of Development : Management

(7) Vegetation

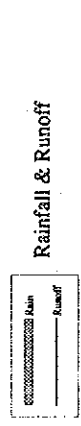
Vegetation	Area	Population
a) Forested Land	4,011 km <sup>2</sup>	
b) Wet Paddy Field	384 km <sup>2</sup>	
c) Upland Field	91 km <sup>2</sup>	
	359 km <sup>2</sup>	
	134 km <sup>2</sup>	
	504 km <sup>2</sup>	
	105 km <sup>2</sup>	
	524 km <sup>2</sup>	



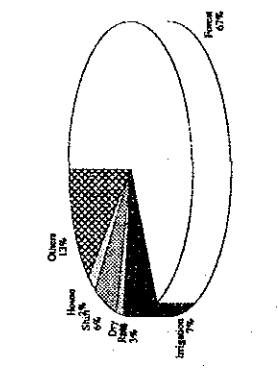
(8) Population

Category	Population	Livestock
Urban	61,288	Cattle/Bufalo: 196,800 heads
Rural	585,621	Sheep/Goat: 62,000 heads
Total	646,909	Pig: 41,600 heads
Density	103	Poultry: 1,953,400 heads

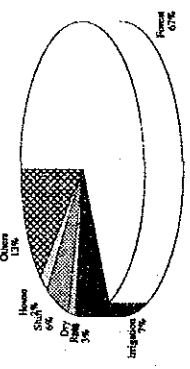
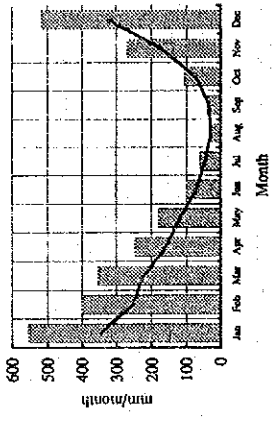
(10) Type of Size : Middle



**Rainfall & Runoff**



**Rainfall & Runoff**



**Table 2.2 Condition of River Basin (116/120)**

(1) River Basin Code = 5153 (2) River Basin Name = Sadang  
 (3) River Basin Area = 3,253 km<sup>2</sup> (4) Representative Province = Sulawesi Selatan  
 (5) Regency

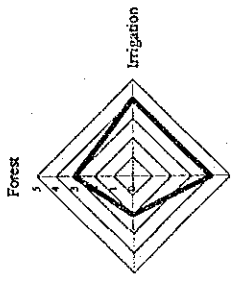
Code	Name of Kabupaten	Area	Name of Kabupaten	Area	
7308	Maros	431 km <sup>2</sup>	7314	Sindirenng-Rupang	215
7309	Pangkep	889 km <sup>2</sup>	7315	Pinarang	702
7310	Barru	1,165 km <sup>2</sup>	7372	Kotamadya Par-pare	128
7311	Bone	54 km <sup>2</sup>			
7312	Soppeng	180 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 2,872 mm  
 b) Coefficient of Variation = 0.77

(11) Type of Development : Management

(7) Vegetation

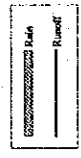
Vegetation	Area	Population
a) Forested Land	1,670 km <sup>2</sup>	
b) Wet Paddy Field	357 km <sup>2</sup>	
c) Upland Field	254 km <sup>2</sup>	
	199 km <sup>2</sup>	
	315 km <sup>2</sup>	
	76 km <sup>2</sup>	
	166 km <sup>2</sup>	
	155 km <sup>2</sup>	
	62 km <sup>2</sup>	



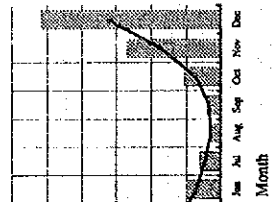
(8) Population

Category	Population	Livestock
Urban	145,041	Cattle/Bufalo: 102,200 heads
Rural	548,153	Sheep/Goat: 32,200 heads
Total	693,194	Pig: 21,600 heads
Density	213	Poultry: 1,014,600 heads

(10) Type of Size : Small



**Rainfall & Runoff**



**Table 2.2 Condition of River Basin (117/120)**

(1) River Basin Code = 5161 (2) River Basin Name = Paremang Gilirang  
 (3) River Basin Area = 3,917 km<sup>2</sup> (4) Representative Province = Sulawesi Selatan  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
7313	Wajo	1,140 km <sup>2</sup>		
7314	Sindreneng-Rapang	671 km <sup>2</sup>		
7317	Luwu	2,553 km <sup>2</sup>		
7318	Tana Toraja	302 km <sup>2</sup>		

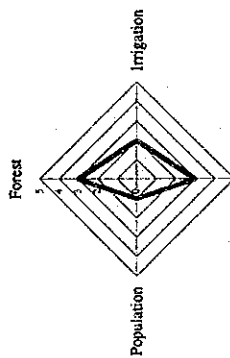
**(6) Rainfall**

a) Annual Rainfall = 2,415 mm  
 b) Coefficient of Variation = 0.55

(11) Type of Development : Management

**(7) Vegetation**

a) Forested Land	2,229 km <sup>2</sup>
b) Wet Paddy Field	169 km <sup>2</sup>
Irrigation	442 km <sup>2</sup>
Rainfed/Tidal/Swamp	98 km <sup>2</sup>
Garden/Dryfield	325 km <sup>2</sup>
Shifting Cultivation	35 km <sup>2</sup>
Glass Land	268 km <sup>2</sup>
House Compound	130 km <sup>2</sup>
Swamps/Dyke/Pond	221 km <sup>2</sup>
Fallow Land	

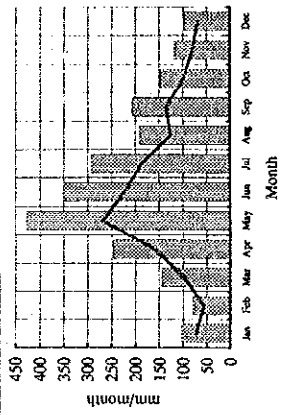


**(8) Population**

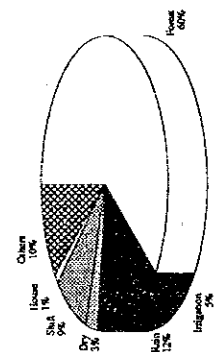
Urban	54,435	Cattle/Bufalo	123,200 heads
Rural	293,468	Sheep/Goat	38,800 heads
Total	347,903	Pig	26,000 heads
Density	89	Poultry	1,222,300 heads

(10) Type of Size : Small

**Rainfall & Runoff**



**Vegetation**



**Table 2.2 Condition of River Basin (118/120)**

(1) River Basin Code = 5162 (2) River Basin Name = Paremang Gilirang  
 (3) River Basin Area = 7,256 km<sup>2</sup> (4) Representative Province = Sulawesi Selatan  
 (5) Regency

Code	Name of Kabupaten	Area	Name of Kabupaten	Area
7308	Miaros	449 km <sup>2</sup>	7316	Enrekang
7311	Bone	2,735 km <sup>2</sup>		
7312	Soppeng	1,254 km <sup>2</sup>		
7313	Wajo	1,154 km <sup>2</sup>		
7314	Sindreneng-Rapang	1,543 km <sup>2</sup>		

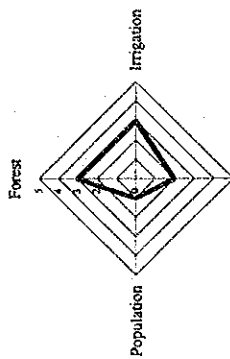
**(6) Rainfall**

a) Annual Rainfall = 1,877 mm  
 b) Coefficient of Variation = 0.41

(11) Type of Development : Management

**(7) Vegetation**

a) Forested Land	3,511 km <sup>2</sup>
b) Wet Paddy Field	644 km <sup>2</sup>
Irrigation	740 km <sup>2</sup>
Rainfed/Tidal/Swamp	214 km <sup>2</sup>
Garden/Dryfield	1,166 km <sup>2</sup>
Shifting Cultivation	68 km <sup>2</sup>
Glass Land	664 km <sup>2</sup>
House Compound	180 km <sup>2</sup>
Swamps/Dyke/Pond	69 km <sup>2</sup>
Fallow Land	

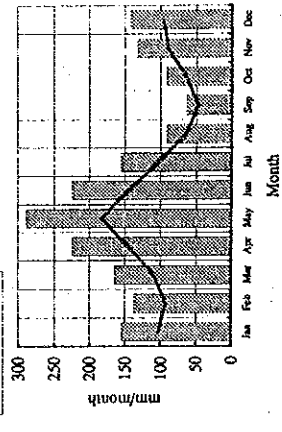


**(8) Population**

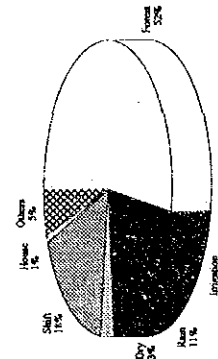
Urban	112,396	Cattle/Bufalo	221,700 heads
Rural	838,538	Sheep/Goat	69,900 heads
Total	950,934	Pig	46,800 heads
Density	131	Poultry	2,200,800 heads

(10) Type of Size : Middle

**Rainfall & Runoff**



**Vegetation**



**Table 2.2 Condition of River Basin (119/120)**

(1) River Basin Code = 5171 (2) River Basin Name = Jeneberang  
 (3) River Basin Area = 3,743 km<sup>2</sup> (4) Representative Province = Sulawesi Selatan  
 (5) Regency

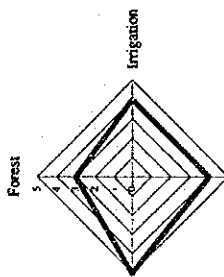
Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
7304	Jenepono	580 km <sup>2</sup>			
7305	Takalar	759 km <sup>2</sup>			
7306	Gowa	1,760 km <sup>2</sup>			
7308	Maros	1,034 km <sup>2</sup>			
7371	Kotamadya Ujung Panc	173 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 2,681 mm  
 b) Coefficient of Variation = 0.84

(11) Type of Development : Management

(7) Vegetation

Vegetation	Area	Population
a) Forested Land	1,731 km <sup>2</sup>	
b) Wet Paddy Field	381 km <sup>2</sup>	
Irrigation	327 km <sup>2</sup>	
Rainfed/Tidal/Swamp	249 km <sup>2</sup>	
c) Upland Field	779 km <sup>2</sup>	
Shifting Cultivation	100 km <sup>2</sup>	
Glass Land	24 km <sup>2</sup>	
House Compound	101 km <sup>2</sup>	
Swamps/Dyke/Pond	51 km <sup>2</sup>	
Fallow Land		



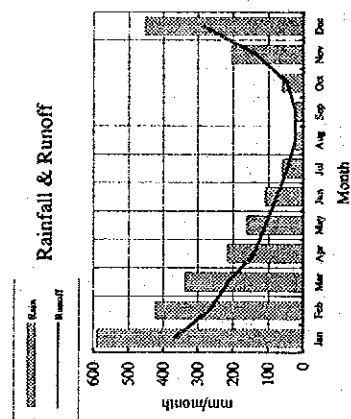
(8) Population

Category	Value
Urban	1,011,498
Rural	885,410
Total	1,896,908
Density	507

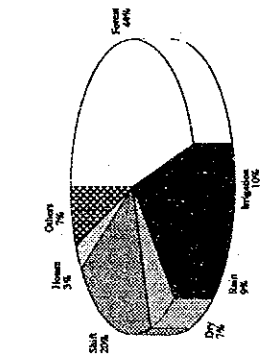
(9) Livestock

Category	Value
Cattle/Bufalo	117,700 heads
Sheep/Goat	37,100 heads
Pig	24,900 heads
Poultry	1,168,000 heads

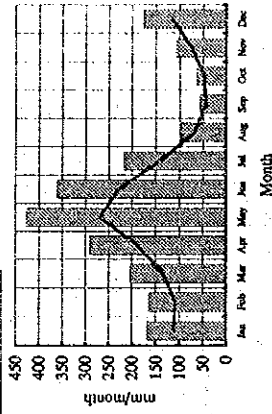
(10) Type of Size : Small



**Rainfall & Runoff**



**Rainfall & Runoff**



**Table 2.2 Condition of River Basin (120/120)**

(1) River Basin Code = 5172 (2) River Basin Name = Jeneberang  
 (3) River Basin Area = 6,198 km<sup>2</sup> (4) Representative Province = Sulawesi Selatan  
 (5) Regency

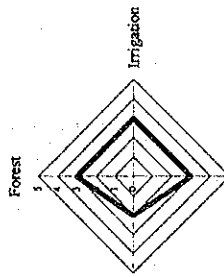
Code	Name of Kabupaten	Area	Code	Name of Kabupaten	Area
7301	Selayar	1,396 km <sup>2</sup>	7307	Sinjai	1,155
7302	Bulukumba	1,181 km <sup>2</sup>	7311	Bone	2,828
7303	Bantaeng	387 km <sup>2</sup>			
7304	Jenepono	194 km <sup>2</sup>			
7306	Gowa	163 km <sup>2</sup>			

(6) Rainfall  
 a) Annual Rainfall = 2,338 mm  
 b) Coefficient of Variation = 0.59

(11) Type of Development : Management

(7) Vegetation

Vegetation	Area	Population
a) Forested Land	3,101 km <sup>2</sup>	
b) Wet Paddy Field	558 km <sup>2</sup>	
Irrigation	299 km <sup>2</sup>	
Rainfed/Tidal/Swamp	194 km <sup>2</sup>	
c) Upland Field	1,419 km <sup>2</sup>	
Shifting Cultivation	187 km <sup>2</sup>	
Glass Land	212 km <sup>2</sup>	
House Compound	91 km <sup>2</sup>	
Swamps/Dyke/Pond	136 km <sup>2</sup>	
Fallow Land		



(8) Population

Category	Value
Urban	119,594
Rural	1,063,390
Total	1,182,984
Density	191

(9) Livestock

Category	Value
Cattle/Bufalo	194,900 heads
Sheep/Goat	61,400 heads
Pig	41,200 heads
Poultry	1,933,800 heads

(10) Type of Size : Small