

FOTOSTAT TIDAK DIBENARKAN

PP.
PROJEK PELAJAR
(Students Projects)

LAPURAN PROJECT TAHUN AKHIR
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WATER RESOURCES DEVELOPMENT
IN
PENINSULAR MALAYSIA
VOLUME II

BY

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LIST OF TABLES

FOTOSTAT TIDAK DIBENARKAN

	PAGE
1. HYDROLOGICAL BALANCE BY STATE	1
2. BASIN NUMBER, RIVER SYSTEM AND CATCHMENT AREA	2
3. BASIN NUMBER, RIVER SYSTEM AND CATCHMENT AREA	3
4. BASIN NUMBER, RIVER SYSTEM AND CATCHMENT AREA	4
5. BASIN STATE CORRELATION	5
6. INTER BASIN WATER USE	6
7. EFFECTIVE AREA, RAINFALL AND RUNOFF BY BASIN	7
8. EFFECTIVE AREA, RAINFALL AND RUNOFF BY BASIN	8
9. PWD WATER SUPPLY RECORD FOR 1975	9
10. PWD WATER SUPPLY RECORD FOR 1978	10
11. PER CAPITA PUBLIC WATER SUPPLY BY PWD IN 1979	11
12. WATER SUPPLY BY PURPOSE IN PULAU PINANG IN 1979	12
13. WATER SUPPLY BY PURPOSE IN SELANGOR IN 1978	13
14. WATER SUPPLY BY PURPOSE IN MELAKA IN 1979	14
15. WATER SUPPLY BY PURPOSE IN JOHOR IN 1974	15
16. WATER SUPPLY BY PURPOSE IN KELANTAN IN 1978	15
17. POPULATION COVERED BY RURAL ENVIRONMENTAL SANITATION PROGRAM IN 1980	16
18. WATER USE OF PALM OIL MILLS AND RUBBER FACTORIES IN 1980	16
19. TIN MINE WATER USE IN 1980	17
20. QUANTITY OF TREATED WATER SUPPLIED TO SINGAPORE DURING 1970 - 79 PERIOD	18
21. SERVICE FACTOR, WATER DEMAND PROJECTION AND SUPPLY CAPACITY PLANNED FOR 1990 BY PWD	19
22. PROJECTED SERVICE FACTOR FOR URBAN AREA	20
23. PROJECTED SERVICE FACTOR FOR URBAN AREA UNDER THE CONDITION OF LOWER ECONOMIC GROWTH	20
24. PROJECTED SERVICE FACTOR FOR RURAL AREA FOR PWD WATER SUPPLY AND MOH SUPPLY THROUGH RESP	21
25. PROJECTED SERVICE FACTOR FOR RURAL AREA FOR PWD WATER SUPPLY AND MOH SUPPLY THROUGH RESP UNDER THE CONDITION OF LOWER ECONOMIC GROWTH	21
26. PROJECTED PER CAPITA DAILY USE	22

PROJEK PELAJAR
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HYDROLOGICAL BALANCE BY STATE
TABLE 1

Unit: 10^9 m³/y

State	Rainfall	Surface Rainfall	Groundwater Recharge	Evapo- transpiration
Perlis	2	1	0	1
Perak	23	12	1	10
Pulau Pinang	3	2	0	1
Perak	50	22	4	24
Perlis	18	7	2	9
Perlis Sembilan	14	5	1	8
Perlis	3	1	0	2
Perlis	45	19	3	23
Perlis	80	33	4	43
Perlis	43	22	2	19
Perlis	39	23	3	13
Peninsular Malaysia	320	147	20	153
Perlis	194	113	14	67
Perlis	476	306	30	140
Malaysia	990	366	64	360

Source: NWRS, JICA

BASIN NUMBER, RIVER SYSTEM
AND CATCHMENT AREA
TABLE 2

Basin No.	Name of Basin	Total Catchment Area of the Basin (km ²)	Name of River System	Catchment Area of River System (km ²)	River Length (km)
1	Perlis	790	Perlis	710	40*
			Others	80	-
2	P. Langkawi	475	Islands	-	-
3	Kedah	3,695	Kedah	3,060	80*
			Others	635	-
4	Merbock & Others	520	Merbock	475	40*
			Others	45	-
5	Muda	4,300	Muda	4,300	155*
6	Peraí & Others	895	Peraí	450	45*
			Oth	445	-
7	P. Pinang	300	Islands	300	-
8	Kerian	1,420	Kerian	1,420	80*
9	Kurau & Others	3,255	Kurau	965	90*
			Beruas & Others	2,290	Beruas 40*
10	Perak	14,700	Perak	14,700	397*
11	Bernam	3,335	Bernam	3,335	175
12	Tengi & Others	56	Tengi & Others	565	60
13	Selangor	1,820	Selangor	1,820	100
14	Buloh & Others	560	Buloh & Others	560	Buloh 45*
15	Kelang	1,425	Kelang	1,425	95
16	Langat	1,815	Langat	1,815	165
17	Sepang & Others	640	Sepang & Others	90	20
				550	-
18	Linggi & Others	1,420	Linggi & Others	1,270	70
				150	-

Remarks; length without '*' is measured in 1:250,000 maps and with '*' is measured in 1:500,000 maps.

Source: RS, JICA

Source

BASIN STATE CORRELATION
TABLE 5

No.	Basin Name	River System	State Concerned
1	Perlis	Perlis	Perlis, Kedah
2	P. Langkawi	Islands	Kedah
3	Kedah	Kedah	Kedah, Perlis
4	Merbok & Others	Merbok	Kedah
5	Muda	Muda	Kedah, P. Pinang
6	Perai & Others	Perai	P. Pinang, Kedah
7	Pulau Pinang	Islands	P. Pinang
8	Kerian	Kerian	Kedah, P. Pinang, Perak
9	Kurau & Others	Kurau, Beruas	Perak
10	Perak	Perak	Perak
11	Bernam	Bernam	Perak, Selangor
12	Tengi & Others	Tengi	Selangor
13	Selangor	Selangor	Selangor
14	Buloh & Others	Buloh	Selangor
15	Kelang	Kelang	Selangor
16	Langat	Langat	Selangor, N. Sembilan
17	Sepang & Others	Sepang	Selangor, N. Sembilan
18	Linggi & Others	Linggi	N. Sembilan, Melaka
19	Melaka & Others	Melaka	Melaka, N. Sembilan
20	Kesang	Kesang	Melaka, N. Sembilan, Johor
21	Muar & Others	Muar	Johor, N. Sembilan, Melaka, Pahang
22	Batu Pahat & Others	Batu Pahat	Johor
23	Pontian Kechil & Others	Kechil	
24	Johor	Johor	Johor
25	Sedili Besar & Sedili Kechil	Sedili Besar	Johor
26	Mersing & Others	Mersing	Johor
27	Endau	Endau	Johor, Pahang
28	Rompin & Pontian	Rompin, Pontian	Pahang, Johor
29	Bebar & Merchong	Bebar, Merchong	Pahang
30	Pahang & Penor	Pahang, Penor	Pahang, N. Sembilan
31	Kuantan & Others	Kuantan	Pahang
32	Kemaman & Others	Kemaman, Kerteh, Chukai	Trengganu
33	Paka	Paka	Trengganu
34	Dungun	Dungun	Trengganu
35	Merchang & Others	Marang	Trengganu
36	Trengganu	Trengganu	Trengganu
37	Setiu & Others	Setiu, Chalok	Trengganu
38	Besut & Keluang	Besut, Keluang	Trengganu, Kelantan
39	Kemasin & Semerak	Kemasin, Semerak	Kelantan, Trengganu
40	Kelantan & Others	Kelantan	Kelantan
41	Golok	Golok	Kelantan, (Thailand)

Source: NWRS, JICA