Table 10-2 Unit Costs of Civil Works

(H\$) Pover ! Diver-Pen-Plant Item Unit Intake Dam sion Dam way stock Tailrace (14.5 earth ex-**13** 4.5 4:5 4.5 4.5 4.5 cavation 37 9.19 0 rock ex-15.0 15.0 15.0 cavation 3.5 4.433 416 . stripping 1 3 \$. A 3.5 1000 基合定素 rock ... 11.0 filling \$ 3, \$ €.; rock filling * ; 3 , ř. 2 (appropriaté) . . 1.4 3 E earth filling 8.5 64 tunnel Ġ 3 1 يوعرة أ \$ 2 E } 64 driving 0.*00* 2.3 \$ 1 steel rib 3,000 3,000 tóñ support. £ . £ : * 3 E 220 250 200 250 270 concrete -250 73 . 5 1 3553 secondary **Б**3 220 coffering 6.35 4 ላ វិតិស៊ីស៊ីស៊ី concrete الله المراجع في 270 77.73 túnne1 Y. É. ئى قىرىۋ ^{(†} 270 **a** 3 31 Jan 3 concrete 1 € . 6 ° . 220 blocking **.** (3) 46.6 5 . 55 i. ¿. i. i. **D** 3 concrete 1,500 1,500 1,500 1,500 1,500 1,500 steel bar tón 13.6 (4) 991,40 grout hole <u>ુ</u> 140 140 140 drilling grout 1,220 1,220 1,220 cenent

连续引起 肾素的现代 医心管静脉

到34 国际经验的 人姓氏巴拉

. . .

برو

্ৰ

3

ť

₹.

(j

1.

 $\mathfrak{T}_{\widehat{\mathbb{T}}}$

£ £

差差

Table 11-1:

Present Land Use in the Coastal Region, Kelantan
-Without the KRBS-Irrigation Projects-

	gory.		(elantan	Coastal			
			Ha (A)	Ha (B)		7	B/A (3)
Agricu	lture		256,569.		6 lōo.	V Son D. Alberta British But a	64.0
1 Pad			75,226.	2 71,356.	6 . 43.4	30.3	94.9
2. Rubl	p ér į		129,603.4	53,221.	6 32.	22.6	41\1
3 H1x	ed Horticultu	ren da	34,350,	27,534.	0 16.	8 11.7	80.2,
4 Coc	onut		7,662,	7,544.	9 4.	6 3.2	98.5
5 (01)	Pale		5,258.	6 2,150.	5	3 0.9	40(9)
6 Div	ersified Crop	8	2,269.	1 1,401.	9 0.	9 0.6	61.8
7 Orc	hards		1,040.	1,012.	ı Ö.	6 0.4	97:3;
8 \$h1	fting Cultiva	ion	1,157.	9	0	1.0	-
Other	Land Vse	1.	247,623.	5 71,165.	8 100.	0 30.2	13:7.
9 Vrb	án		3,065.	9 2,497,	6 3.	5 1.1	8115
10 Çra	ss Land		17,986.	6 12,065	9 17.	0 5.1	62.1
ll For	est		04,339.	9 15,313	6 21.	5 6,5	1.4
12 Šer	ub Porest		\$5,690.	4 13,305	4 18.	7. 5.7	23.9
13 Swa	n p		25,951.	4 22,892.	4 32.	2 9.7	88.2
14 Vac	lassified		40,589.	3 5,090.	9 , 1 7.	2 . 2,2	12.5
Tot	al		504,192.	6 235,387.	4	100.0	15.6
r Sue of Co							
			018.8	(Source)	≠ XRBS, 1	977)	
	Note: KBRS s	eans "Ke	lantan R	iver Basin	Study".		
	가 많이 된 분명 하다. 중요 하는 100 100 100 100						

Table 11-2 :: Annual Cost of Alternative Thermal Power Plant		/ -
		ं
人名英格兰人姓氏克里特的变体 化多克克克克 医皮肤 经自己基金证明 化多二苯甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基	10.841	,

	I	•			Ċz	'n	1	r s	2 I	Ť	c	'n.	ė	ŀ	á	٠f		N	À	É	'n	'n	à	1	Ŧ	h	3~	Ć0	a l		
÷		٠.		ξ.	-	•	Τ.	- `	7	· 51	7	~ `			.)		٠.		7.		~	ं	٠.	, s		•••	٠.		•		
ı	1.	- 15	4		2	97		71.		-77	4	٠	2	٠	. 4		. 7		. ·				*.	* 11		<u></u>	100		٠. :	۴.	

I)	Capital	Cost of	Notiona	Thermal		UPD AL	440743174
		Dol./kW	Bscala-	M Dol./kW IDC (1979.12) (8-0/0	Cap	Stn.	Cap.
			(78.1 = - 79.12)				M Dol./kW
Štėa	o Plant		10-0/0	917.4 12.7- 0/0	1033.9		1189.0
Cas	Turbine	.하는 살빼됐네!!	10/0/0	515.9 4-0/0		1.15	617.0

Operation and Maintenance Cost

A) Fixed cost

					.49 .7 11 11				F (() [(é	d 8	•	() ()	Ś	t	1	់ (វ	c 8	à	1 : 1 :	ıt	1	ó	n	Ĭ	i 1	х 9	éd 79		c 1	o: 2)	Ě	- N	o h	/é ≧a	r		13	1	ns L	, , ,	1	af	ıc'k	ě		P	1	x e Do	d	(λο: /kl	st W	* 1.500
				erii Ge			. } <u>-</u>	î. -	H	I	ю	1		<u> </u>	X				- 3		79) <u>.</u>	1	2	<u>)</u>	þ	•	<u>D</u>	òÌ	٤	/	k١	?	3,5	1						-					-	. 1 1	-		-7		9		: \	
نبرة ال	Si	e	aı	œ	P	1	ап	t			1	Ź	. (3				1	0	` 	Ć,	Ĉ		7			•		Ĺ		2'	9	=		3:) <u>.</u>	Ô	/()		1	2		58	}	-	£			2	1	Ĉ.)5	्रेस हि रहे	
										1, 1,									À				T.		: : - -	4 ° ₹ 2 ° 2		*			_		3 4		े		: غ		· :						-	-		ن وم	İ			4-2			:
	Gé	S		11	3T	D.	ı	ıe				4		3	L '			•	U)—1	U	r e	•		•	42			4	•	8	>	1	1	. 72	- 2 3	- 1		 	1.	4		Ĭ.			÷	. :			٠.	Ţ	 	8(
		الآر 12														200	- - - 			-	<u>.</u>			٠,					1.3			9	į		į			•							į				•	4	2	Ť		==	

B) Variable Cost

ંદ્ર	-	٠.		د و	10.5	*		5			3.		· .	3 %					,		- 1		ے تاغ	17.3	5.	- 1	٠.	40	પ્રશ્	Stre	1.15			'n.
	£ :		S	10	1.5	Ż	₹:	<i>5</i> 7	ž.	٠.	2.7	: G	Đ.	\$ 2				 • 1	7	7.5	×	4. 2	7	7	ris .		15	1.5				· 5	3	1
ż	1	Ţ,		٠. آ	J.,	٠.	- ,		£ 14	12.	7, 74		- 1		È.	· -	300	: 1	ે ક		11.1		7 F.	4.	٠,	C 4.5	45.7	37,3	đů.		, 47 F			. 7

				t Escalatio		
			978.1)		(1979.12	
			Dol./kWh.	19/9,12) H Dol./i	
Steam	Plant		0.00124	89 X	0.002	925 (*C ≯)6 }4
, , , , , , , , , , , , , , , , , , , 	erit il e	3.5.5	Mark eta Sar	아이들의 기차를 보냈다.		
Gas 1	urbine		0.00195	89 %	0.0036	59 ¹⁹⁷

III) Fuel Cost for Notilial Thermal Plant

		Fuel Price	Escalation	Fuel Price	Tuel Cost
	kg/kWh	(1978.1) N Dol:/L.Ton	(1978;1(=) 1979;12)	(1979,12) H Doi:/L.to	X Dol./kWh
				1.0 + (*) 376.1	The second of the second of the
Steam Plant	0.256	199	89 %	376.1	0.0948
Gas Turbine	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	314	89 Z	593.5	0.1869

```
Annual cost of the notional thermal alternatives is obtained as describing in the following formulas.
```

```
ingrand innaighal so deal inighte a
             Pormula I
            E = 8760 \text{ (PS } \times 0.80 + PG \times 0.05) \dots
                                                                      企业的证据,由于实现的
             From the above formulas,
        PS = (P/o.75 - 0.05/0.75)P
       PG = (0.8/0.75 - PJ0.75)P
      Where
                                                                        255.6
      P. . Max. output of hydro project (kW)
             ** B : Annual energy product of hydro project (kWh)
              P i Plant factor of hydro project (E/PX8760)
                                                                                                                                     · 经现金的 · 多数 1986 · 多数 198
               PS : Output of steam plant
       PG : Output of gas turbine
If the kW value and the kWh value of steam plant and gas turbine are
       shown as follows?
       and a real William II (SI-858) a
          Steam Plant:
                                                                  是,我们是一个的人的
VS1 : []]89 x C·R·F + 21.05 (H Dol;/kW, C·R·F = 0.0937)
         vs2: 0.0023 + 0.0948 (H Dol./kfh)
                    Gas Turbine :
                   The form with four minimise with the liver less
                       VG1: 617 x C'R'P + 8.08 (H'Dol./kW, C'R'P = 0.0937)
                                          0.0037 + 0.1869 (H Dol./kWh)
                ં ટકરે છે. છે
                                                                                                           3 (1
                      231.10 St. 122.12 St. 13 St. 14
                                                                                                                                        Bir Turkley J. J. &
```

(Given Signature 1988) 1980 (Given Signature 1982) B (hydro power benefit) = Annual cost of the alternative thermal, which can be written in the following formula,

B'='P\$(V\$1 + V\$2 x 8760 x 0.8) + PG (VG1 + VG2 x 8760 x 0.05)

143 **j**

医阿尔勒耳维耳氏杆菌 经统

The state of the s

Journal and this first in the cold

Therefore,

1 (3) B ₹:105.1P + 0.1010B

Note: B: (H Dol.)

1600年1月 **建的**和信息性的。

\$ 50 B Com 17.00

Table 11-3 Basic Factors in Agricultural Net Production Value

(\$Million on Constant 1976 Price Level) Year Com- Base Year Ultimate Status Future Irrigation Project missioned (1976) (A) Without the Lebir Dan Project W/O Irrigation Project 72.32 82.36 4. ADB: Kemasin-Semerak 1986 5. KBRS-Lemal, Alor Pasir & (. Lat. 1) is the first state. Pasir Mas Ext 6. KBRS-North Legal KBRS-Rantau Panjang 7. KBRS-Vlu Lemal 8. KBRS-Upper Ulu Lemal N. 2012 1989 263.58 9. KBRS-Sa Baan W. 2018 N. 20.13 1995 10. KBRS-Tasek Garu 318.85 W. 20.19 11. KBRS-Keáubú & Sálor Ext 经金属的 经工作的 经证明 12. KBRS-Sg. Sat 2014 13. KBRS-Pertok & Putat Ext 1999 97.28 281.35 395.65 2020 (Water shortage will occur in 1996) (B) With the Lebir Dan Project. 72.32 W/O Irrigation Project 4. ADB: Kemasin-Semerak 1986 82.32 236.26 D. 2010 5. KBRS-Lewal, Alar Pasir & Mas Ext (4) 智文人名(4) 化自由的 表现了分别是 6. KBRS-North Lemal KBRS-Rantan Panjang 7. KBRS-Ulu Lemal 8. KBRS-Upper Ulu Lemal 9. KBRS-Sg. Bagar 1989 89.81 263.82 D. 2011 1995 93.80 319.58 D. 2012 10. KBRS-Tasek Gard 11. KBRS-Kemubu & Salor Ext 12. XBRS-Sg. Sat 13. KBRS-Pertak & Putat Ext 1999 97.28 282.64 D. 2013 416.97

^{*/....} N=Normal time horizon, W=Water shortage
D=After completion of Lebir Dam, less 1 year from N.
N.P.V.= Net production value

Table 11-4 Agricultural Benefit with the Lebir Dam

	医多数分裂 医皮肤 医皮肤	น่า แล้วหลังสินิสเราที่ ท่	Benefits	ด้ายในทำเบียบเหน้าใ	Direct W	ater Def	leit Cost
	20.4	'W/o'-NPV	V = NPV	Benefits	CONTRANCTOR LANG	1. 2 1. C. C. A.	Incremen
	Project Year	⁷ ° (A)	(B)	(B) - (A)	' (c)	(D)	(D) - (C
1979		80.90	80.90	, <u>, , , , , , , , , , , , , , , , , , </u>	0	Ô	0
1980		83,76	83.76	Ó	Ŏ	Ŏ	Ŏ
(3:101)	. Last 189	86.63	86,63	0 0	0	Ó.	0
		89.49 6 92.35	89, 49 2, 35		0 :	377000	0
4		95.21	95.21	Ŏ	0	Ó	- 0
85	ಲ್ಲಿ 21 ಕಿ.ಚಿ. ಡಿಕ್ಈ ಸ⊻ರಂತ	98.07 114.40	98.07 114.40	0	0	0 4	0
6 7		130.73	130.73	. Ó.	1,0	. 0	Ŏ
8	1. 14.6	135,13	135, 13,	, 0,4	0	0	0
9 1990	3 1834.	146.11 157.08	147,27 155,41	1.16 2.33	0 0	0	Ŏ O
íí	26.	161,92	164.39	2.47	Ö	Ô	Ŏ
2		166, 76	169.36	2.60	Ò	0	Ó
4		1 To A & A Series 27 4 6 7 4 6 7	174;33 ¹ 179,30	1.2.73 2.86	0	0	0
95		169,45	199.27	2.82	Ó	ő	ď
- 6			219723	2.78	2,00	0	-2.00
8		220,90 225,35	225,50 231,78	4,60 6.43	2,50 3.00	0 0	-2.50 -3.00
9	, an,	247.29	257. 085	9.79	3.50	Ō	-3.50
2000		1 269,22 ;	282:38 ; 290.08	13.16 15.26	4.00 4.00	. 0	-4, 00
2	12.),	274.83 280.43	297.80	17.37	4.00	Ó :	-4.00 -4.00
3	\$10.	286.04	305,52	19,48	4.00	0	-4.00
05		291.65	313, 23 320, 94 \$	21.58 23.68	4.00 4.00	0	-4,00 -4.00
6		302.86	328,65	25.79	4.00	Ó	4.00
1.		308.47	336.36	27.89	4.00	Ō	-4.00
8 * à		314;08;5 318,68;	344.08 351.79	30.00 32,11	4.00 4.00	0	-4.00 -4.00
2010		325.29	359.50	34.21	4.00	ŏ	-4.00
1		330,36	367521 374192	36:31	4.00	0	-4,00
2 3 4		336330 3	3/4/92	38,42 40.53	4.00	0	-4.00 -4.00
	(2) 持续;	347.72	382,64 385,50 388,36 391,22 394,08	37.78	, 4.00	Ö	-4.00
15		7 353,33	388:36	35.03	4.00	0	-4.00 -4.00
7 8		364.54	388:36 391,22 394,08 396.95 399.81	29.54	4.00	0 0	-4, o
8	- 15610.	370, 15, 5	396.95	26,80	4.00	Ò	-4.00
9		370,15 375,75 381,35	- アスス・チュス	24.06	4.00	0	-4.00 -4.00
2020 1 2 3	34.1	384,21 387,07 389,93	405,53,	21.32	4,00	Ŏ	4.0
2		387.07	408, 39	91 29	7.00	Λ.	-4.0
3 · · ·		389.93	411;25 414;11; 416;97 419;83	21,32 21,32	4.00 4.00	. 0 0	-4.00 -4.00
25		395, 65	416.97	21.32	4.00	Ŏ	-4.0
25 6 7 8		398.52	419.83	21,32	4,00	. 0	-4 0
8	Sec.	401.38	422.69 425.56	21.32	4.00 4.00		-4.0 -4.0
		407.10	428.42	21.32	4.00	Ò	4.0
2030.		409,96.4	431128	21,32	4.00	Ŏ.	-4.0
2		412.82	436.99	10.21:32	4:00	14 . V	-4.0 -4.0
2		418.54	439.86	21.32	4:00	· · · · · · · · · · · · · · · · · · ·	-4.0
2035		421.20 424.06	442,52 445.38		4.00		-4.0 -4.0

Table 11-5 Comparison of Plood Damage Amount for

Each Year and Case on the Basis of

ENEX Report

	Condit	lon as of	1976	Futu	re Conditi	οή	
Year -	A o	В	c 0	33,73 A 20	la de B	Ç.,	Remarks
					202 61	1,542	
				1,595	1,557	P. 12 2 14 15 18 18 19 11 11 11 1	
2			1.15	3,991	3,610	3,306	
3	10.0	ê j		3,903	3,003	2,851	600
4	- S	de la granda	16.5	'917°J	915	908	
5		9, 6	2,43	2,189	2,198		
11	ing V				உர்கி இவசுக்கி £ுக்கார்.		
)				1,657	1,587		
		2.69	7.75	2,101	1,776	1,758	
8 8		TO SEA SO		1,538	1,549	1,549	
9		0.0		2,806	2,743	2,716	
10			à i	1.871 85	1,638		· KAK
全球经验 计图	0	000	35.21	$\sim 60.00 \Omega$		프로마 이 어림을 하다고 하다.	
6(11)	\mathcal{L}^{0}			3,652	3,657	いんごうに 造物など	
12 (3).		60.6	37.91 37.16	3,108	3,082	3,072	
o 13.			Sales	2,716	2,652	2,630	
14		(4), 4	\$1.75	3,285	3,266	in the first of the second of	
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				2,488	2,452	in landar seedad teelaan ee	
16		10.A	00,0es 11.4c	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		이 경기 되는 경화 속 하다리 하는 경	
99.3		W		2,604	1,994		61 8
∴17				358	348	346	
18		00 /	38,42	4,928	4,687	4,562	
٠ اوُ			\$2,03 \$1, \$ 5	19,971	16,097	15,204	1967
20		60.3		2;773	2,235		
Grand Town	10 O	1972	12.79	39116		6、还要提供到2000年的人。	
☆21 ·		00.A	\$. \$ S	2,304	2,318		
22			76.30 24.66	3,464	3,044	3,013	
: 23		0.0	\$6.15	4,220	3,484	3,468	0.0:
24		60.4	\$2,13	3,11[⁰)	2,510	2,475	
0.25	문화 왕 (1288년 고 왕 (1) 원 원			6,131	3,093, ₃	 2. A. S. S. P. S. E. 	
T 26	orina di		56.15	9 4941			1973:
\$Q164 55	•	6).	jç	ំ ្រង់ជំ	6,253	5,094	
c 27	. 2 m	M.A.	X.15	3,277	3,208	3,191	
Total	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	00.1		99,852	84,935	83,882	
Average				3,698	3,146	3,107	V 9803
Vol.e- 00:3-	, d	vithout D	18 31	ction, Sea	\$0.86		95 0)
00	₿:	Dabong Da	e cres	439,86	82.2h		
₩.	Ğ:	Dabong an	d Lebit Das	18 22.313	05, (1)		.
(), 34	· · · · · ·	6.4	21.12	645.33	20.85		2.0

	Table		वर्ष्य हर्षेत्र हर्षेत्र हर्षेत्र हर्षेत्र हर्षे		rage Amount		
		<u>E</u> e	្រាំ 👍 ២ ម៉ាម្ចាស់ស្មារ	e la cella de	the Basis	<u>of</u>	
			2. 4. 3. (5.)	EX Report			
				(No. 2 Soc	lál Dámage)	(103)	(\$)
Year							Rewarks
		В	Ç	A	B	. C	Versalva
1	366	354	347	1,089	1,051	1,033	
2	1,387	629	520	3,828	1,846	1,555	
- 3	1,920	840	586	5,089	2,365	1,635	
4	110	, 109	108	329	327	324	
5	365	4 340	337	1,101	1,039	1,031	
6	367	336	327	1,091	1,000	974	
7	460	403	364	1,366	1,200	908	
8	186	146	145	552	435	, 432	
9.	308	311	305	915	923	⇒ 906	
10	516	404	361	1,424	1,165	1,659	
	225	226	212	670	671	631	
12	724	629	623	2,164	1,881	1,863	
13	323	300	289	970	902	879	
14	205	242	238	, 610	721	় 708	
15	234	186	180	696	554	//536	
16	196	191	187	586	573	560	
17 18	37 1,591	35	33	109	103	97	
19	39,068	1,051 21,489	975 19,359	4,601 102,773	3,108	2,898	
20	1,700	364	217	けい ファデムなしりょ ふじつ	57,386	51,698	1967
21	274	364 262	267		1,038	645	
22	1,590	- 928	884	4,509	1 3 3 7 5 7 7 1	2,627	
23	2,778	1,688	1,689	7,120 ·	4,446	2,627 4,443	
24	498	369	328	1,419		956	
25		1,465	[}] 601			1,742	1973
26	9,390	5,483	3,781	24,202	되면 얼마면 동네된 그	9,832	
27	[V] 基本的在位式中 5 6.7	610		글 산출회에 취임하는 학교	1,820	1,776	
		· 39,390	33,798	189,914	107,269	92,548	
verage	2,652	1,459	1,252	7,034	3,973	3,428	

Table 11-7
Plood Mitigation at Guillemard Bridge

	Return Period' (Years)	Pluctuation (m³/S)	Remarks
A Company	100	17,100	
	50	13,600	
	20	10,500	

Mifigated Amount of the Plood Damage

	W. 1. 12. 1		(H\$ x 10 ⁶)
Discharge	Property	. Cròp	Total
19,600	77 119	22	141
17,100	Se 108.5	z 21	129.5
240.1			113
15,800	i 0 99 0 1	19.5	118.5
13,600	189 . 177 , 5 () 1 , 8	1111	94.5
	970		24
12,400	63	14	77 60
10,500	₹₹ 36	2. 68.5	44.5
6			32.5

- - - 1

Plood Mitigation Benefit

Return Period (Years)	Occurrence a Probability	Flood	Expectation
20	0.0267	32.5	0.867
: 30 i	13.0.0114 to \$ 1.1	29.6	→ 0.337 5€\.
40 50	0.0063	26.8 24	0.169 0.096
¢ 60 s	(2.0.0028 S) (3)	21.4	· 0.060 · .
70 \$80 °	0.0021 0.0016	18.9 16.4	0.040
) 90 i 100	0.0012 \$50.\$ 0.0010	14.0 11.5	0.017
Total :	18. 201 . 112.61	CONTRACTOR	1.624
After	- 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	ENDONE DELLAR	STATE OF THE PROPERTY OF

Table 11-8 <u>Plood Control Benefit</u> 1) Free Overflow ::

			i de Jaj		14.5	
(El.H) H.Y.L.	(H) . Crest Length	N. E.		ge Mitiga ich Scale 10 ⁶ M\$ (1/50		Expected Plood Control Benefit
90	80	81.9	41.5	30.0.	18.2	2,72
90	120	.83.0	33.7	. 27 . 5	14,0	2,30
90	160	83.8	31.2	25.3	12.3.	1,2,07, ,, , ,
90	200	84.3	28.0	23.5	11.5	1.89
80	80	70.0	28.0	23.5	10.5	1.86
80 80	120 160	71.6	/23.0 20.0	15.2	7.0 ³ 5.6	1.49
80	200	73.4	18.0°c	13.5	5.0	1.15
70	80	58.2	13.0	9.5_	4,0	0.83
70	120	60,4	10.0	107.5	23.0	0.64
70	160	61.7	7.9	6.3	2.7.	0.51
76	2ŎO	62.7	6.5	5.5	2.5	0.44

II) Cate Operation

l.W.L.	N.W.L.		Hitigation (10 ⁶ H\$)	n In Each	Expected Ploor Control Benefit
(L.L.H	(E.L.H)	1/20	1/50	1/100	(10 ⁶ H\$)
90	85.8	39.0	25.0	15.0	2.38
80	75,9	23.5	16.0	6.5	1.45
70	66.4	15.0	8.0	4.5	0.85

.1.	Hourly Dischar	<u>8e</u>					
	Station Numb	ér :		tod of ervation	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Remar	ks
	(Gulllemard) 5721442			5 05(97)		In Rov.,	3.4.
		4.3.	0.70		Jan:		
2 ,	Of S Hourly Water S	tage				0.1 0/1	1.00
				2.35			
	Station Numb	er (lod of rvátlón		Regark	s
the system of the second	(Tualang) 5222452	25	Nov 🚰 I	0 0 975 ≟ No	v. (1977	0.21	
	(Běrtan) 5120401	No.	v. 1975	a Si	1977		1 nc.

3.1.1.3.4.1.1.5.2.				
tilanis lartus		distilli		
		101.04	34556	
			. 03.14	1.4.3)
			0.90	
		1 To		
				0.
	7.15			

	사고 있는 이름이 있다는 경우나의 이름이 나를 있다. 일본 사용 기술을 기록하여 보급하는 것으로 되었다.		
3,1,3,	Dally Discharge		
	Station Number	Perlodiof Observation	Remarks
	5221442	1965 - 1978	

Station Number	Period of Observation	Remarks
5221442		
3/21992	1965 - 1978	
4. <u>Daily Rainfall</u>		
	Period of	
Station Number	Observation	Remarks
6019064	1967	
6021010		
6021060		
6022062		
6023072		
6024074		
6021063		
6121066		
6121667		
6122064		
4620045		
4819001	54: 34:53:33 2: 34:34:34:00	
= 5419036	39 1010 27 1444	
(4) 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 	1972 1973	
5718033	1972	
5721002	(SP 1971 74 1976	
	July 1970 ⊊ Aug. 1974	<u>या परित्र के अपने के अपने के लिए में संस्थित के स्त्री से स्त्री हैं है </u>
ા કાર્યું કહ્યુ <u>ં કહ્યું કહ્યું કે તમે તે તમે છે. કું કેવ</u> , લેક <u>, ઉત્તક મુંચા, કાર્યું કર્યું</u>	July 1970 - Jan. 1977	
5718001	Julý 1970 – Kay 1978	
5721001	Dec. 1970 - April 197	8

Station Number	Period of Observation	Remarks
5322044	0ct 21971 - Feb. 1978	
4819027	Nov. 1971 - Yeb. 1978	
5521050'	July 1970 - Hay / 1978	
5419036	July 1970 ~ Feb. 1978	
5622048	July 1970 - Kay 1978	
5320443	Oct; 1971 = Feb. 1978	
5422046	July 1970 - May 1978	
Ś7ŹIÓŎĹ	Jan. 1971 - May 1978	
\$722057	. July 1970. ¥ Aug. 19787	4531100
5320039	June 1970 - April 1978	
5718033	Sépt;1972 = Feb. 1978	
5720055	Júly 1970 = Hay (1977)	
5621052	July 1970 - Karch 1978	2041122 44 34011665
5621051	Sept:1970 = Harch 1978	
5518035	- July 1970 → Kay - 1978	535487X
4923001	July 1977 - Peb 1978	

7.000		<u> </u>
4923001	July 1977 - Peb 1978	
1,5. Daily Water Stage		
		1206184
Station Number	Perlod of Observation	Relark
5120401	1975 = 1977	. ११।इ०३३
522452	ंश्री975 (≉ 1977	\$01512
5320443	(CEL . 2011972 (4°1977 i	1010(13
	(TET SEE STREET)	(light)
	stel yes - otel yes.	1100113
에 통해 열리 내 환경에 지근처리의 경쟁으로 경험하는 것이다. 그는 사람들은 사람들이 보는 것은 사람이 있는 것이라고 밝혔다.	1911 1914 + 1917 (5-21)	1011

3,1.6, List of Books on Hydrology

fitte	Publisher or Writer
Estimation of the Design Rainstorm	Agriculture and Fisheries Dept,
Hagnitude and Frequency of Floods	
Rational Method of Plood Estimation for Rural Catchments in Peninsular Malaysia	
Hydrological Station Rumbering System	1134
Hydrological Station Registeres	
Field Installation and Maintenance of Capricoder 1598 Digital Event Water Level Recorder	Agriculture and Rural Development
Štage-Discharge Curves	Agriculture
Design Plood Hydrograph Estimation for Rural Catchments in Peninsular Malaysia	
Magnitude and Frequency of Low Plows in Peninsular Halaysia 113 (1886)	
The Estimation of Storage-Draft Rate Characteristics for Rivers in Peninsular Walaysia	
Graphical Recorders Instructions for Chart Changing and Annotation	
River Discharge Measurement by Current Meter	
Estimating Potential Evapotranspiration using the Perman Procedure	
Hydrological Design of Agricultural Drainage Systems	
The Determination of Suspended Sediment Discharge	
Hydrològical Aspecta of Agricultural Planding and irrigation besign	
Rainfall Records (1879 - 1975)	Drainage 6 Irrigation Department
Streamflow Records (1971 - 1970)	Mark to Mark 19
Enéx Réports Volume 1. Rydrology	ENEX
(Batu, Lembu, Bertan, Dabong)	
Stage-Discharge Curve (Tualang, Culllesard)	rak lealed capolici
Enex Réports Volume 2, Drainage and Irrigation	ENEX
Enex Reports Volume 3, Plood Mitigation Project	ENEX (()) sisysisy
Water Quality Récords (1974 - 1976)	Hinistry of Agriculture and Rural Development

	Title Publisher
	Heteorological Data (1948 - 1972) Halaysia Heteorological
3.2	Topography (2 print 1 print 2
	Title: Publisher or Writer, 7.7 Detailed and Locality Plan of Cross- section ENEX
	Kota Bharu (Sg. Kelantan) Dabong (Sg. Galas) of Cross-Section
	Master Cross Section Guillemard, Batu Lembu, Tualang, Bertan,
	1/25000, 1/63360 (Western Halaysia) Government of Halaysia
	Geology
	Title Publisher of Writer selection of Ceology and Mineral Resources S. Mac Donald, Ministry of Lands and Mines, Malaysia Trengganu, [619][63]354 to 8109[84] [63]364
	South-east Asla: A Systematic Chia Lin Sien & Others, Geography Oxford University Press (1982)
	Field Record Vol. III South Che Mond. Sanibin Abnan.
	Geological Map of West Malaysia (1/500,000) Geological Survey, Malaysia
	Hydrogeological Map of Peninsular (63 11) (63 11) (63 11) (63 11)
	Geological Hap of Peninsular Halaysia (1/2,000,000) Geological Survey, Malaysia
2.3	insults to therein the way the street will enter

Title ''	Publisher or Writer
Sungaí Aring (46-58) Geológical Map (1/63,360)	Geológical Survey, Halays
Mineral Distribution Kap of Peninsular Kalaysia (1/500,000)	Geological Survey, Halays
Reconnaissance Soil Map Peninsular Halaysia (1/500,000)	Ministry of Agriculture & Pisheries, Malaysia
Semenanjung Halaysla (1/760,000)	National Mapping, Malaysi
Semenanjung Malaysia Kelantan (1/190,080)	National Mapping, Malaysi

Loan No. 4/8 as revised on March 15, 1979	Authority (PELDA)
21 years of land development by Tunku Shansul	YELDA
Penyata Tahunan 1978 Jabatan, Hutan, Kelantan	State Ministry of (
Development and rehabilitation project E.P.U. Kelantan	State Land Development Board, Kelantan
Potensi Perhutanan Di Wilayah Pembangunan Kelantan Selatan	Hideo State Midistry
Enex Reports Volume 5: Land Use Effects Enex Reports Volume 6: Basin Develop- ment Plan	ENEX

3	٠	6	i i	:	P	oʻ	41	۲:		T	r	a i	18	ė,	le	s	Ĭŏ	ń	
					_	-	-	-	_	_									•

Title	Publisher or Writer
Lightning Performance of N.E.B	la Ai Magteay (Dec. 1977)
Drawlings of Tanah Merah S/S	N.E.B. (Aug. 1978)
How to Estimate Construction C of Electrical Power Substation	osts (((2), (2), (3), (3), (3), (3), (4), (4), (4), (4), (4), (4), (4), (4
Single Line Diagram of Nationa Power System	
Semenanjung Malaysia at a Scal 1/260,000 SY/T	
Kelantan at a Scale of 1/190,0	60 SY/I
Topographical Maps at a Scale 1/25,000 and 1/63,690 for Prop Transmission Lines Routes Area	osed
Three Dimensional Monte Carlo Determination of the Performan Overhead Lighthing Shield Syst	ce of Thun Peng Chew Lie Ah
Trengganu River Basin Study Peasibility Report on Multi-Pu Dam Project, Vol. 6 Hydro Pove Development, Volume 7 Power St and Pówer System	Cornie (Into 1076)
Transpission Developments Teme	
lanan Merah, K.L. North Kampon	Fig. P.C.R.
Avah, P.C.R. Project	state process and the second s
Avah, P.C.R. Project	state process and the second s
Avah, P.C.R. Project	state process and the second s
Avah. P.C.R. Project	STATE P.C. Respondent to the second s
Avah. P.C.R. Project	STATE OF THE STATE
Avah. P.C.R. Project	STATE P.C. Record of the second of the secon

<u>F</u>	Inance and Economics
	Socio-Economic Aspect
	olevaled ratiosal sylven in the control of the cont
	Mid-term Review of the 3rd Halaysia Plan (1976 - 1980)
	Trade Classification and Customs Tariffs 1978
	Annual Reports of the Ministry of Labour and Hanpover for 1976
	Law of Halaysla, Act A387 Land Acquistlion Act 1977
	Lánd Acquisitión Act 1960 (No. 34 of 1960) Reprint No. 3 of 1976
	Outline Perspective Plan (Chap. IV) Third Kalaysia Plan
	(1976 - 1980) Rank Negara Malaysia, Quarterly Economic Bulletin
	(May & June, 1978)
	Bank Negara Malaysia, Annual Report and Statement of Accounts 1978 and Extracts from 1971, 75, 76, 77 Reports
	Bank Negara Málaysia, Annual Réport and Statement of Accounts 1978 and Extracts from 1971, 75, 76, 77 Reports
	Kelantan, An Economic Survey and Implementation Programme, Kuala Lumpur, 10/5/1979
	State and Rural Development Project, Government of Kalaysia UNDP/World Bank, Report 1
	UNDP/World Bank (19 19 23) (19 19 25) (19 19 25) (19 19 25) (1
	UNDP/World Bank No. 5 Infrastructure in Kelanfan (1997) (July, 1978)
	UNDP/World Bank
, a	Ministry of Labour and Hanpover
	A. Quarterly report lst quarter 1978 (((a,B)
	Occupational Rage Surveys Peninsular Ralaysia 1977

Consumer Price Inc	dex for Peninsular Halaysia Dept: of Statistics, April, 1979
	tion for the State of Peninsular Halayela (1970 - 1980)
Yearly Exployment Estate in Peninsul	Survey on Rubber, Oll Palm, Coconut and Tea lar Malaysia 1975
The produced Price	e Index for Peninsular Halaysia (1973 - 1975)
1970 Input - Outpu	ut Tables, Peninsular Malaysia
Hoathly Statistica	ál Búlletlő Háláyslá * Penlínsúlar Haláyslá 1979
Annual Statistical	l Bulletin Halaysia 1977
1970 Population an	nd Housing of Malaysia Vol/1
Kelantan Urban Dev (Draft Pinal Repor Technical Appendix Economic Strategy	
Draft Report on Ed of Malaysia list	conomic Survey of Kelantán Development Bank
Report on Socio -	Economic Survey of Kelantan Kelantan Irrigation District Federal Land Consolidation and Rehabilitation Authority Oct., 1977
District Data Bank	k VLV Kelantan ^j ož olosopskosi () State E.P.U.
Survey of Payment	Scheme for Jobs in Kelantan (Draft)
Kelantan, an Advan Investment in Eigh	ntágeous Location for International Industria
Malaysia Builder D	Olfectory (1976 = 1977) (List of Government Organization)
	occupational Varia Surveys.

	National Parameters for Project Apprai	eal in Halayela
	U.N.D.P. Voi	ld Bank Study al Development Project
	Information Nalayala	
	Halayslan Ye	3.000 15 Y 1.11 15 15 15 15 15 15 15 15 15 15 15 15 1
	Pattern of Labour Utilization in Penir Research Paper No. 14	
	Dept. of State	राज्य होते. अहम इन्हें के देवते अहार प्रदेश के पार्ट के होता है। इस मान्य के प्रदेश के प्रदेश के प्रदेश के प्र इस इस इस इस के किस की किस के किस की किस की किस की किस की किस की किस
	Rubber Institute of Halaysia Annual Report	(181 has 1181 . (181 (1877))
3.7.2,	Hydroelectric Aspects	in a least took that
	NEB Trengganu Rydro-electric Project I by thing You	concerc Review Huat April, 1978
	Hydro-power Potential and Development by Thing Yong 1.8.5./1.8.H	In Kalaysia Koal Engineering Convention
	N.E.B. Trengganu Hydro-electric Projec	
	Review" Internal Economic Rate of Return by Thing You	6/1978
	Tariff Booklet Rates for Supply of Electricity	Chiefagas bodisa
in the second se	Transfer to the second	1964
	Tembeling Kultl-purpose Dam Project An Appraisal of Project Proposals and by Th'ng Yon	Implementation Issues Ruat
	Trengganu River Basin Study Vater Resources of the Basin, Vol.4. 1	witi-purpose Dam Project April, 1978 Stain Engineering Corp.
	Trengganu River Basin Study	(현실하다) 사용 수 있는 이 아이들 때문에 대한 사용을 하는 것이 되었다. 그 사용을 모습니다. - 1일 전 전 전 10 전 10 전 10 전 10 전 10 전 10 전
	Peasibility Report on Multi-purpose D Economic Evo	n Project
	The Kelantan River Basin Study ENEX	1978

Supplement to 28th Annual Report Trengganu River Basin Study Peasibility Report on Wilti-purpose Dam Project Vol. I Ceneral Report 1976 Snowy Mountain Englace Snowy Kountain Englacering Corp. Trengganu River Basin Study

Peasibility Report on Hulti-purpose Dam Project

Vol. / Irrigation and Drainage N.E.B. Accounts for the years 1978, 1977, 1976, 1975, 1974, 1973, 1972 and 1971 N.E.B. Capital Assets Classification 3.7.3. Flood Control State D.I.D. Kelantan Preliminary flood report for January 1967 Plood report for December 1974/January 1975 State D.I.D. Kelantan Plood Maps (Road Damage) of Kelantan 1969; 1973 State D.1.D. Kelantan 主动物理 的复数医电影电影 usurelegaltstandelsut and elfengar topler della legisleg at भवने विकास में के अपने के स्थान है। यह स्थान है स्थान है स्थान है से स्थान है से स्थान है से स्थान है है है से **新型 "翻遍**好" the state of the state of the state of 计变态函数 经基金收帐 医多种毒素 化二氯基苯甲基甲基 distributed and all the property of the states and the party Jely, 1935 The interference of the particular control of the c

3.8. Agriculture

```
人名英格里 医动物 经成本的 经收益 医皮肤炎 医皮肤炎
                                                                                                   red bediere vergerer
                                         Halaysia, Huda II iIrrigation Project
                                  Staff Appraisal Report
                                        Report No. 2344-MA 18RD 16 Hay; 1979
                                      North Kelantan Rural Development Project with the project
                                      IBRD Report
                                         Bahaglah, III Harga-Harga Haksimum Beras Iualah Secara Runcit
                                           Review of Agricultural Economics

Malaysia (PAMA)

Yol: 2 No. 2 Yol: 3 No. 1 Yol: 3 No. 2

Yol: 4 No. 1 Yol: 4 No. 2

Yol: 5 No. 2 Yol: 4 No. 1 . U. Yol: 6 No. 2
                                FAMA Agricultural Economic Bulletin No. 6788 está massens a
                                         Production Costs of Miscellaneous Agricultural Comodities
                                Xarket Potentlal för Crops recombended under Green 2003 65
Book Programme (Phase III) 281070
                                         Book Programme (Phase II) :1978
   Table Bl Area Planted with Different Types of Padi
                                         Silvania in the state of the st
                                                                                                                                                                To Off-Season Padi Production Costing Sacrate attention 1978 of season Padi Production Costing Secretary Reports (page 1978 of season 1978 of
                                         North Lemal Trilgation Project File 1978 1978 Phase 1:4 Stage Instance with Section 5001 4 3501 5000 15000 15000
                                erlisilese for Prelayestaent report
                     Project plan
                             reasibility Report on Tertlary 11/12 Land 2014 (14/12)
                  Irrigation reasibilities for Agricultural Development in the Muda
   Elelrigation Scheme vilos vilos lies of social bagges of
                                A for soli ale exercise (volum) Muda agricultural development guthority
                                                                            Tenancy among Cultivators in Xalaysia
foliss A study of tenancy conditions and laws affecting land (+) tenancy
                                                                                                                                                                                            THE STATE OF THE S
                        relations
                                no Paddy Statistics 776 Peninsular Halaysia 3734 to decision A
                            An Interest to the realing try of Agriculture, 1978 to ?
     naio: Area Planted with Different Types of Padi > 3222233 3222
                        State Ministry of Agriculture
```

The transfer of the first that he

	Padl Production Survey - Yield Padl Yield Rates and Percentage Standard Brror Win, of Agriculture
₹16	Hinistry of Agriculture Statistical Digest 1975
	Kinistry of Agriculture Area of Miscellaneous Crops : 1976
	Main Season Crops, Peninsular Malaysia , State yield rates of Padi , Yield measured on day of harvest, average yield per acre based on planted average
	Padl Yleid in Machang, Kelantan, 197 (Draft paper by/E,P,U, = State staff)
	Perangkaan Asas Pertanlan Negerl Kelantan (1997) 1997 1997 (PadliYteld Statisfics 1977) (1987) 1998 (1998) 1998 (1998)
	An Economic Analysis of Padi Production in Kelantan (1997). Kota Bharu (1997) (1/1973). Dept. of Agriculture, Kelantan
	Number of Man/days Utilized in Padi Cultivation (Paddy) Table 38; Page 85 (Socio-economic study of padi formers 1968; The Keaubu area of Kelantan) Min! of Agriculture
2	Padl Yield from 1972 - 1978 ln Maln Season and Off-season : Dept. of Statistics
	Economic Survey of Kemubu Irrigation Scheme, Kelantan Summary and Recommendation Octi-1969
	Cost and Returns to Padl (Paddy) Production in Kelantan: 1978
	An Agro-economic Survey on Padi (Paddy) Parmers in Meranti, Kubong, Batang, Lundang, Paku, Kelantan
	Sociològical Aspecta and Implementation of Padi (Paddý): Irrigatio
	A Handbook of Agricultural Tables and Statistics for Extension Workers (\$1972) 1972
	Water Resources for Irrigation of Upland Crops in South Kelantan 538 (183) 13 (183) 33(183) 33(183) 1977

9. Envir	onment	
		Environment Quality
	Title	Publisher
Mam		anvirosentat kreitty (Esy optural rubber re
Nat	tonal Parks of Malaysta! 1071538 t	Sone Sociality an
Han	ibluates of the Primates of Insular Kalaysia	Games Dept.
o i didi	Health Services in the Seventles	Kedical Record Dept;
Bil (Ke	ahyan Pusat Kesihatan al dical facilities)	the Livernock Industry
Lap	uran Tahunan 1977 (Annual Report)	Realth Dept. of Kelantan
Tre	ngganu River Basin Study Yol, 8	N.E.B.
for	entlfle and Administrative Basic Kanagement Keasures in Aquatic Lution Control in Kalaysia	Environmental Dept.
Sól	l Conservation Guidelines	
Env	poséd Procéduré and Methodology fo Ironmental Impact Assessment in aysla	
197	O Population & Housing Census	Statistics
Ann	uál Réport 1973 – 1974 (Health)	Medical Record Dept.
Hon	thly Statistical Bulletin MAC 197	79 Statlstles
	tistical Handbook of Peninsular aysia 1979	
Cen	sus of Loggers 1972	
Rep	ort of the Labour Porce Survey 197	"
The	Population of Malaysia	
	Interia Report on the Post Enumera Vey	atlon "
Soc	lal Statistic Bulletin 1976	
Pro	tection of Wild Life Act 1972	Printing Dept.
Env	Itomaental Quality Act 1974	•

Some Socia-Economic and Medical Aspects of Malay Mortality in Orban and Roural Aleas Alist of Presh Water Fishes of Selanger of Malay and Medical Aspects The Livestock Industry in Malaysta? The	Environmental Quality (Ray natural rubber r	Act 1974 'égulations 1978)
The Livestock Industry in Malaysia? The Livestock Industry in Mala	Some Socio-Economic a of Malay Mortality in	ind Medical Aspects i Broan and Rural
Trade of the second to the sec		r Fishes of University of Agriculture
Trade of the second to the sec	The Livestock Industr	ry in Malaysia
Trange or steer businesses, bu		
restriction of the second seco	internation in the marchs	to record transfer that he would be a second to be
companions of manager and highly and promoted lead positions of manager and positions of the positions of th		
Contactor of the control of the cont	고기 사용하는 사람들이 가장하는 생활을 가장하는 것이 되었다. 그런 사용하는 것이 되었다. 그런 사용하는 것이 되었다. 그렇게 되었다.	생녀 얼어가는 2 동안에도 회사로 있는 것이 있는 공기로 하지만 하는 것은 것 같아 된 것 같아 없었다. 이 사람이 되었다는 것 같아 없었다.
Set (subspecies side) the consideration of the cons	inget beierschaftens	
Protection of Miles and Mi		
Service of the servic		i de la companya de l
Principal Control of Assessing Principal Control of Con	**************************************	ા માટે તેમાં એક એક સ્ટાર્ક કરિકારી તેમ જોવાના કરતા છે. તેને અને કેટ માટે તેમાં એક કર્યો હાલ કરી હોય છે. તેમાં ત્રિકારી માત્ર કરી માટે કરિકારી કરી કર્યા છે. કિર્માણ કે માટે કર્યા હોય કરી હતા કરી તેમાં અને કરી તેમાં અને મો
(970 consist to the consist of the c		The state of the s
Account separate 1917 (Device) Search proceedings and leafer to 1919 Search proceedings and leafer to 1919 Search proceedings and leafer to 1919 Converse to 1912 An inspire the search of the 1912 Search procedure of mile life 1912 Search procedure of mile 1912 S		마시 마시트 현실 시간 기계 등 기계
Respond to the second of the contests of the c		the following the state of the following of
Responding to the content of the con	Tivo dicion teleban	
Consume to green 1972 Consume to green 1972 Visconia in the constant of the		
The solution of the solution o		lika serial dalah lebesa kerasa dalah dalah karangan berah lebesah kerasa bangan berah lebesa berah lebesa dal
The state of the s	িক্টেট্ৰ প্ৰথম স্কেইছেইট কুন্ন ছিল তিনিক্টিট্ৰ কিলেন্দ্ৰ সময়ে কিলেন্দ্ৰ	
An interest to the second seco		함께 하고의 살으로 취임 경향 원칙은 유리를 살려보고 싶다. 작동성이 얼굴하다가 살아올랐다면 가수 있다.
The state of the s	in the company of the	그 하지만 하는 모든 이번 그와 학교에 불어 살아를 받는 하는 사람은 가고 그 나는 사람들이 되는 그들이 그렇게 되었다. 나는 것은 모든 사람
The formal section of the first section of the firs		
enter service to the late of the late of the control of the contro		
Tile service of the last s		
evi atisile alsaisa laisa alsaisa laisa alsaisa alsaisa alsaisa alsaisa alsaisa alsaisa alsaisa alsaisa alsaisa		destrict fact for the following the fact of
. To be read to the second of the second sec		
itel palating the second of the second consideration of th		o Transista (III al III les de la Light de La
	ite but a	Alet 154 sits fill to notice the
		그는 사람이 살아가는 아무지 않는 아이들은 모양하는 바람들은 사람들은 사람들은 사람들이 되었다.
		त्यस्य १९८८ म्हिन्स् इति स्थापना विश्व हित्य विश्व कर्षात्र है। स्थापना विश्व विश्व विश्व विश्व विश्व विश्व वि प्रियम प्रियम स्थापना कर्षात्र के स्थापना स्थापना स्थापना स्थापना स्थापना स्थापना स्थापना स्थापना स्थापना स्था
그리고요 이 보이라면 그렇게 빨리 얼마를 받는데 되었다.		김사랑아 그리 하는 것이 아니는 그 사람들이 되었다.











