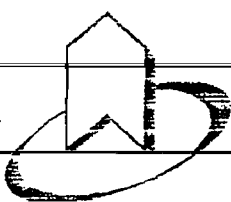




FORMULIR HIMPUNAN PERHITUNGAN LALU LINTAS
SELAMA 24 JAM (FORMULIR LAPORAN)

Nomor Propinsi	026										
Nama Propinsi	A. I. YOGYAKARTA										
Kelas/Nomor Pos	A. A 0 0 3										
Lokasi Pos	704.009.0										
Tanggal	06 10 99										
	(Hari)	(Bulan)	(Tahun)	Arah Lalu Lintas							
Kelompok Hitungan	<input type="checkbox"/>			Dari PRAMBANAN							
Periode	<input type="checkbox"/>			Ke YOGYAKARTA							
Golongan	1	2	3	4	5a	5b	6	7a	7b	7c	8
Pukul	Sepele Motor, Sekuter dan Kendaraan Roda Tiga	Sedan, Jeep dan Station Wagon	Opel, Pick-up-opel, Siturban, Combi dan Mini bus	Pick-up, Micro Truck dan Mobil Hantarap	Bus Kecil	Bus Besar	Truk 2 Sumbu	Truk 3 Sumbu	Truk Gandengan	Truk Semi Trailer	Kendaraan Tidak Bermotor
06 - 07	626	239	490	159	62	65	130	29	27	21	313
07 - 08	440	237	240	101	71	70	139	31	23	16	512
08 - 09	501	212	271	176	91	72	189	42	29	26	512
09 - 10	550	331	331	200	81	81	167	51	21	17	217
10 - 11	540	271	250	331	77	87	165	42	31	16	226
11 - 12	625	301	341	265	87	82	192	51	31	21	261
12 - 13	645	341	392	236	89	101	112	21	47	32	216
13 - 14	721	172	340	160	77	32	126	37	27	21	134
14 - 15	743	163	269	130	70	79	131	45	90	50	228
15 - 16	163	120	221	116	56	57	141	31	26	26	216
16 - 17	201	187	149	151	37	67	126	41	17	14	361
17 - 18	321	170	201	101	42	44	112	37	18	12	216
18 - 19	390	185	142	116	42	41	97	26	17	7	101
19 - 20	401	90	142	163	24	21	91	31	21	18	93
20 - 21	272	101	130	102	32	27	83	30	16	13	111
21 - 22	314	121	145	121	31	13	79	17	15	14	64
22 - 23	312	103	121	141	25	7	91	18	17	15	51
23 - 24	321	132	109	131	35	14	71	12	12	9	82
24 - 01	312	116	106	144	33	21	89	17	7	7	76
01 - 02	420	185	121	131	41	27	92	21	13	11	93
02 - 03	419	107	214	196	51	26	73	16	14	11	161
03 - 04	451	176	237	142	31	24	92	21	17	14	112
04 - 05	539	172	221	161	32	29	91	29	11	17	211
05 - 06	627	177	238	142	37	33	97	31	19	11	215
Jumlah	10.854	4.359	5.481	3.866	1.285	1.120	2.338	737	566	393	4.243
Catatan	Pengawas : ()										

LAMPIRAN 6

	REPUBLIC OF INDONESIA MINISTRY OF SETTLEMENT AND REGIONAL DEVELOPMENT DIRECTORATE GENERAL OF REGIONAL INFRASTRUCTURE DEVELOPMENT HEAVY LOADED ROAD IMPROVEMENT PROJECT - II OECF LOAN IP - 406
	PROJECT : Heavy Loaded Road Improvement Project - II PACKAGE : BP - 03 Yogyakarta - Prambanan CONTRACTOR : PT. Deltamarga Adyatama CONSULTANT : PCI in Ass With PT. A cende

**SUMMARY OF DCP TEST
FOR WIDENING**

NO	DATE	LOCATION	CBR (%)	REMARKS
	OCT 18, 2000			
1		0 + 100 L	7.36	STA : 4 + 200 -- 5 + 000 (L) Concrete for drainage
2		0 + 200 L	5.68	
3		0 + 300 L	6.90	
4		0 + 600 L	7.02	
5		0 + 750 L	6.11	
6		0 + 900 L	8.02	
7		1 + 100 L	8.16	
	OCT 21, 2000			
8		1 + 350 L	6.90	
9		1 + 440 L	7.54	
10		1 + 625 L	6.34	
11		1 + 875 L	4.92	
12		2 + 350 L	5.80	
	OCT 23, 2000			
13		3 + 100 L	7.10	
14		3 + 200 L	8.02	
15		3 + 300 L	7.23	
16		3 + 425 L	4.02	
17		3 + 500 L	5.29	
18		3 + 600 L	7.36	
19		0 + 725 R	7.06	
20		0 + 850 R	6.41	
21		1 + 000 R	6.98	
22		1 + 100 R	6.90	
23		1 + 175 R	6.37	
24		1 + 350 R	10.12	
25		1 + 575 R	7.58	
26		1 + 800 R	7.40	

APPROVED BY



PENG. PRAS. WIL.

CHECKED BY

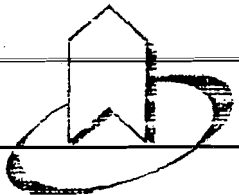


CONSULTANT

SUBMITTED BY



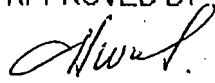
CONTRACTOR

	REPUBLIC OF INDONESIA MINISTRY OF SETTLEMENT AND REGIONAL DEVELOPMENT DIRECTORATE GENERAL OF REGIONAL INFRASTRUCTURE DEVELOPMENT HEAVY LOADED ROAD IMPROVEMENT PROJECT - II OECF LOAN IP - 400
	PROJECT : Heavy Loaded Road Improvement Project - II PACKAGE : BP - 03 Yogyakarta - Prambanan CONTRACTOR : PT. Deitamarga Adyatama CONSULTANT : PCI in Ass With PT. Arcende

SUMMARY OF DCP TEST FOR WIDENING

NO	DATE	LOCATION	CBR (%)	REMARKS
	OCT 26, 2000			
27		5 + 350 L	7.02	
28		5 + 525 L	8.18	
29		5 + 700 L	7.45	
30		5 + 900 L	8.02	
31		6 + 100 L	7.87	
32		6 + 250 L	9.76	
33		6 + 450 L	7.72	
34		6 + 600 L	6.26	
35		6 + 800 L	5.08	
36		7 + 000 L	9.82	
37		7 + 200 L	8.02	
38		7 + 450 L	9.16	
39		6 + 500 R	12.66	
40		6 + 900 R	11.37	
41		7 + 100 R	10.31	
42		7 + 325 R	10.99	
	NOV 08, 2000			
43		4 + 100 R	10.67	
44		4 + 300 R	12.89	
45		4 + 500 R	14.47	
46		4 + 700 R	15.63	
47		4 + 900 R	11.67	
48		5 + 300 R	15.18	
49		5 + 500 R	11.12	
50		5 + 700 R	11.94	
51		6 + 100 R	10.85	
52		6 + 300 R	13.78	

APPROVED BY



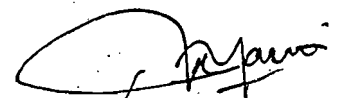
PENG. PRAS. WIL.

CHECKED BY

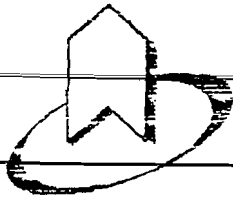


CONSULTANT

SUBMITTED BY



CONTRACTOR



REPUBLIC OF INDONESIA
MINISTRY OF SETTLEMENT AND REGIONAL DEVELOPMENT
DIRECTORATE GENERAL OF REGIONAL INFRASTRUCTURE DEVELOPMENT
HEAVY LOADED ROAD IMPROVEMENT PROJECT - II
OECF LOAN IP - 400

PROJECT : Heavy Loaded Road Improvement Project - II
PACKAGE : BP - 03 Yogyakarta - Prambanan
CONTRACTOR : PT. Deltamarga Adyatama
CONSULTANT : FCI in Ass With PT. Arcende

SUMMARY OF DCP TEST FOR WIDENING

NO	DATE	LOCATION	CBR (%)	REMARKS
53	NOV 11, 2000	7 + 650 L	7.49	
54		7 + 800 L	5.16	
55		8 + 000 L	9.65	
56		8 + 225 L	7.19	
57		8 + 400 L	7.36	
58		8 + 650 L	8.75	
59		8 + 800 L	5.87	
60		9 + 050	8.98	
61		9 + 200 L	6.38	
62		9 + 400 L	8.75	
63		9 + 600 L	5.80	
64		9 + 825 L	7.31	
65		10 + 000 L	3.76	
66		10 + 225 L	9.63	
67	NOV 13, 2000	7 + 700 R	9.16	
68		7 + 900 R	7.72	
69		8 + 100 R	8.71	
70		8 + 500 R	6.08	
71		9 + 100 R	6.22	
72	9 + 600 R	7.54		
73	NOV 14, 2000	10 + 000 R	6.49 →	
74		10 + 500 R	9.89	
75		10 + 800 R	11.91	
76		11 + 050 R	12.60	
77		11 + 200 R	13.60	
78		11 + 375 R	9.16	

APPROVED BY

PENG. PRAS. WIL.

CHECKED BY

CONSULTANT

SUBMITTED BY

CONTRACTOR



PEMERINTAH PROPINSI DAERAH ISTIMEWA YOGYAKARTA

DINAS PEKERJAAN UMUM

JL : BUMIJO NOMOR : 5 TELEPON : 589091
YOGYAKARTA

Nomor : 604/1052
Lampiran : 1 (satu) berkas

H A S I L U J I

Mix Design LPA Klas A dan Klas B

A. PENDAHULUAN

Memenuhi permohonan PT. DELTAMARGA ADYATAMA dengan surat Nomor : 04/I/BP-03/08/00, tanggal 23 Agustus 2000, tentang Mix Design LPA Klas A dan LPA Klas B, untuk pekerjaan Project II Package BP-03 Yogyakarta-Prambanan D.I. Yogyakarta.

Adapun bahan material yang dikirim dari lokasi proyek berupa :

- Batu pecah/Split cks. Tinalah-Janti Kulon Progo
- S i r t u eks. Kali Kuning (Pilih Kali Gendol)
- T a n a h cks. Gayam Piyungan

B. HASIL MIX DESIGN

No.	Jenis Pemeriksaan	H a s i l		Keterangan
		LPA Klas A	LPA Klas B	
1.	d max (t/m ³)	2,160	2,119	
2.	K.A Optimum (%)	9,71	10,79	
3.	Berat Jenis Campuran	2,95	2,925	
4.	Plastis Index/PI (%)	-	5	
5.	C B R (%)	86	64	
6.	A b r a s i (%)	21	21 ✓	

C. KESIMPULAN

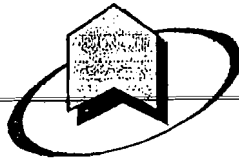
Bahan material yang telah dikirim oleh PT. DELTAMARGA ADYATAMA tersebut dapat dipergunakan untuk Mix Design LPA Klas A dan LPA Klas B (memenuhi speck).

Yogyakarta, 5 Sept. 2000

Kepala Balai Pengujian dan Peralatan,



Hadislo Hadiwidjaja, M.Eng. Sc
NIP. 110025379



REPUBLIC OF INDONESIA
MINISTRY OF SETTLEMENT AND REGIONAL DEVELOPMENT
DIRECTORATE GENERAL OF REGIONAL INFRASTRUCTURE DEVELOPMENT

HLRIP-II PACKAGE BP-03 YOGYAKARTA-PRAMBANAN

Contractor : **PT. DELTAMARGA ADYATAMA**

Consultant : **PCI in assoc. with PT. ARCEDE**

SUMMARY OF TEST RESULT
JOB MIX FORMULA
AC CONVENTIONAL BASE COARSE
(NEW SPECIFICATION)

I. MIX DESIGN

1. TEST MATERIAL

PROPERTY	TEST	RESULT	SPECIFICATION
Bitumen - Sp. Gr.	gr/cc	1.04	min. 1
Abrasion CA 1 1/2"	%	24.12	max. 40
	%	28.78	max. 40
Soundness 1 1/2" - # 4	%	5.47	max. 12
	%	5.48	max. 12
Coating and Stripping	%	98	min. 95
FA	%	70.43	min. 50
Sand Equivalent Sand	%	85.31	min. 50

2. A) MIX PROPORTION COLD BIN

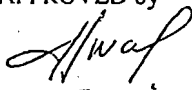
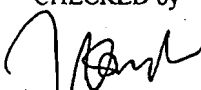
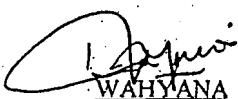
- Coarse Aggregate (CA) max. size 1 1/2" = 19 %
- Coarse Aggregate (CA) max. size 3/4" = 27 %
- Coarse Aggregate (CA) max. size 1/2" = 19 %
- Fine Aggregate (FA) = 25 %
- Natural Sand (NS) = 10 %

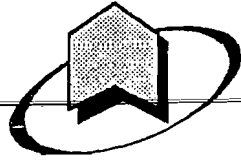
B) COMBINATION OF MATERIAL

Sieve no.	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8	#16	#30	#50	#100	#200
% passing	100.0	93.6	81.2	56.9	45.8	33.5	24.2	16.7	12.9	9.1	6.00	4.2
Spec min		90					19					3
Spec max	100	100	90				45					7
Fuller Curve	100	83.3	73.6	61	53.9	39.5	28.8	21.1	15.6	11.4		6.1
Restricted Zone						39.5	26.8	18.1	13.6	11.4		
						39.5	30.8	24.1	17.6	11.4		

3. SPECIFIC GRAVITY COMBINATION

- Bulk Specific Gravity = 2.624 gr/cc
- Apparent Specific Gravity = 2.735 gr/cc
- Effective Specific Gravity = 2.680 gr/cc
- Effective Bitumen Content = 4.112 % (> 3.5 %)
- Total Weight of Bit. Unit = 4.9 % (4.0 % - 5.0 %)

APPROVED by  JUWALI PENG.PRAS.WIL	CHECKED by  Ir. USAMAH S. CONSULTANT	SUBMITTED by  WAHYANA CONTRACTOR
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REPUBLIC OF INDONESIA
MINISTRY OF SETTLEMENT AND REGIONAL DEVELOPMENT
DIRECTORATE GENERAL OF REGIONAL INFRASTRUCTURE DEVELOPMENT

HLRIP-II PACKAGE BP-03 YOGYAKARTA-PRAMBANAN

Contractor : **PT. DELTAMARGA ADYATAMA**

Consultant : **PCI in assoc. with PT. ARCEDE**

II. SETTING at AMP

A. MIX PROPORTION HOT BIN

HOT BIN	% MATERIAL	WEIGHT OF MATERIAL	CUMULATIVE
Hot Bin I	40	133.1	133.1
Hot Bin II	12	39.9	173.0
Hot Bin III	20	66.6	239.6
Hot Bin IV	28	93.2	332.8
Bitumen	4.9	17.2	350.0
Total/Bad			350.0

B. COMBINATION OF MATERIAL HOT BIN

Sieve no.	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8	#16	#30	#50	#100	#200
% passing	100.0	91.8	83.0	63.8	49.2	32.5	24.2	15	10.1	7.6	5.5	3.9
Spec min		90					19					3
Spec max	100	100	90				45					7
Fuller Curve	100	83.3	73.6	61	53.9	39.5	28.8	21.1	15.6	11.4		6.1
Restricted Zone						39.5	26.8	18.1	13.6	11.4		
						39.5	30.8	24.1	17.6	11.4		

C. MARSHALL TEST

PROPERTY	TEST RESULT	SPECIFICATION
- Void in Mix	% 5.607	4.9 - 5.9 %
- Void Mineral Agg.	% 14.45	min 13 %
- Void Filled Bitumen	% 61.2	min 60 %
- Stability	kg 2297	min 1800 kg
- Flow	mm 3.30	min 3 mm
- Marshall Quotion	kg/mm 696	min 200 kg/mm
- Retained Stability	% 87.39	min 85 %
- Void in Mix at Refusal Density	% 3.524	min 2.5 %
- Absorbision Bit	% 1.060	max 1.2 %
- Bitument Film Thickness (micron)	10.715	min 7.5 (micron)
- Bitumen Content	% 4.9	4 - 5 %
- Bulk Sp. Gr.	gr/cc 2.357	

APPROVED by

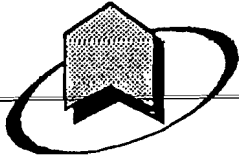
JUWALI
PENG. PRAS. WIL

CHECKED by

Ir. USAMAH S.
CONSULTANT

SUBMITTED by

WAHYANA
CONTRACTOR



SUMMARY OF TEST RESULT
JOB MIX FORMULA
AC CONVENTIONAL BINDER COARSE
(NEW SPECIFICATION)

I. MIX DESIGN

1. TEST MATERIAL

PROPERTY	TEST	SPECIFICATION
Bitumen - Sp. Gr.	gr/cc 1.04	min. 1
Abrasion CA 1 1/2"	% 25.42	max. 40
	% 28.78	max. 40
Soundness 1 1/2" ~ #4	% 4.99	max. 12
	% 5.42	max. 12
Coating and Stripping	% 98	min. 95
FA	% 70.43	min. 50
Sand Equivalent Sand	% 85.31	min. 50

2. A) MIX PROPORTION COLD BIN

- Coarse Aggregate (CA) max. size 3/4" = 35 %
- Coarse Aggregate (CA) max. size 1/2" = 28 %
- Fine Aggregate (FA) = 25 %
- Natural Sand (NS) = 11 %
- Lime Stone = 1 %

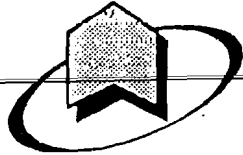
B) COMBINATION OF MATERIAL

Sieve no.	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8	#16	#30	#50	#100	#200
% passing		100.0	97.1	66.3	52.9	36.1	28.5	20.9	14.7	10.3	8	5.1
Spec	min		90				23					4
	max		100	100	90		49					8
Fuller Curve		100	88.4	73.2	64.7	47.4	34.6	25.3	18.7	13.7		7.3
Restricted Zone							34.6	22.3	16.7	13.7		
							34.6	28.3	20.7	13.7		

3. SPECIFIC GRAVITY COMBINATION

- Bulk Specific Gravity = 2.629 gr/cc
- Apparent Specific Gravity = 2.741 gr/cc
- Effective Specific Gravity = 2.685 gr/cc
- Effective Bitumen Content = 4.519 % (> 3.9 %)
- Total Weight of Bit. Unit = 5.3 % (4.4 % - 5.5 %)

APPROVED by JUWALI PENG. PRAS. WIL.	CHECKED by Ir. USAMAH S. CONSULTANT	SUBMITTED by WAHYANA CONTRACTOR
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REPUBLIC OF INDONESIA
MINISTRY OF SETTLEMENT AND REGIONAL DEVELOPMENT
DIRECTORATE GENERAL OF REGIONAL INFRASTRUCTURE DEVELOPMENT

HLRIP-II PACKAGE BP-03 YOGYAKARTA-PRAMBANAN

Contractor : **PT. DELTAMARGA ADYATAMA**

Consultant : **PCI in assoc. with PT. ARCEDE**

III. SETTING at AMP

D. MIX PROPORTION HOT BIN

HOT BIN	% MATERIAL	WEIGHT OF MATERIAL	CUMULATIVE
Hot Bin I	28	212.1	212.1
Hot Bin II	21	159.1	371.2
Hot Bin III	22	166.7	537.9
Hot Bin IV	28	212.1	750.0
Filler	1	7.6	757.6
Bitumen	53	42.4	800.0
Total/Bad			

E. COMBINATION OF MATERIAL HOT BIN

Sieve no.	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8	#16	#30	#50	#100	#200
% passing		100.0	97.6	72.1	56.8	37.9	27.1	20.9	15.1	9.6	6.8	4.8
Spec min			90				23					4
Spec max		100	100	90			49					8
Fuller Curve		100	88.4	73.2	64.7	47.4	34.6	25.3	18.7	13.7		7.3
Restricted Zone							34.6	22.3	16.7	13.7		
							34.6	28.3	20.7	13.7		

F. MARSHALL TEST

PROPERTY	TEST RESULT	SPECIFICATION
- Void in Mix	% 5.145 ✓	4.9 - 5.9 %
- Void Mineral Agg.	% 15.25 ✓	min 13 %
- Void Filled Bitumen	% 66.25 ✓	min 63 %
- Stability	kg 1315 ✓	min 800 kg
- Flow	mm 2.96 ✓	min 2 mm
- Marshall Quotient	kg/mm 444 ✓	min 200 kg/mm
- Retained Stability	% 88.52 ✓	min 85 %
- Void in Mix at Refusal Density	% 2.934 ✓	min 2.5 %
- Absorted Bitumen	% 0.916 ✓	max 1.2 %
- Bitumen Film Thickness	(micron) 9.957 ✓	min 7.5 (micron)
- Bitumen Content	% 5.3 ✓	4.4 - 5.5 %
- Bulk Sp. Gr.	gr/cc 2.360 ✓	

APPROVED by

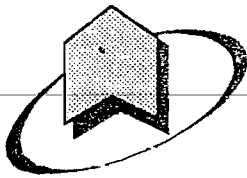
JU WALI
PENG. PRAS. WIL.

CHECKED by

Ir. USAMAH S.
CONSULTANT

SUBMITTED by

WAHYANA
CONTRACTOR



SUMMARY OF TEST RESULT
 JOB MIX FORMULA

WEARING COURSE – AC WC 1
 (NEW SPECIFICATION)

I. MIX DESIGN

1. TEST MATERIAL

PROPERTY		TEST		SPECIFICATION
Bitumen	- Sp. Gr.	Gr/cc	1.024	min. 1
Abrasion	CA ¾"	%	25.42	max. 40
	CA ½"	%	28.78	max. 40
Soundness	1 ½" ~ #4	%	4.99	max. 12
	#4 ~ 16	%	5.42	max. 12
Coating and Stripping		%	98	min. 95
FA		%	70.43	min. 50
Sand Equivalent Sand		%	85.31	min. 50

2. A) MIX PROPORTION COLD BIN

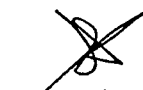
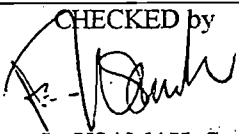
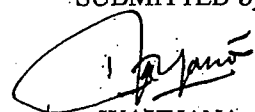
- Coarse Aggregate (CA) max. size ¾" = 9 %
- Coarse Aggregate (CA) max. size ½" = 53 %
- Fine Aggregate (FA) = 24 %
- Natural Sand (NS) = 12 %
- Lime Stone (filler) = 2 %

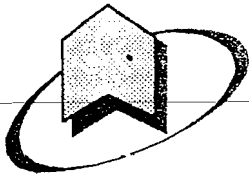
B) COMBINATION OF MATERIAL

Sieve no.	¾"	½"	3/8"	#4	#8	#16	#30	#50	#100	#200
% passing	99.8	91.1	77.9	42	31.8	24.5	16.8	11.2	7.8	5.4
Spec min		90			25					4
Spec max	100	100	90		58					10
Fuller Curve	100	82.8	73.2	53.6	39.1	26.9	21.1	15.5	-	8.3
Restricted Zone					39.1	25.6	19.1	15.5		
					39.1	31.6	23.1	15.5		

3. SPECIFIC GRAVITY COMBINATION

- Bulk Specific Gravity = 2.627 gr/cc
- Apparent Specific Gravity = 2.738 gr/cc
- Effective Specific Gravity = 2.683 gr/cc
- Total Weight of Bit. Unit = 5.4 % (4.8 % - 5.5 %)
- Absorbtion = 1.030 % (< 1.2 %)
- Effective Bitumen Content = 4.37 % (> 4.3 %)

APPROVED by  MARDIYONO PENG.PRAS.WIL	CHECKED by  Ir. USAMAH S. CONSULTANT	SUBMITTED by  WAHYANA CONTRACTOR
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REPUBLIC OF INDONESIA
 MINISTRY OF SETTLEMENT AND REGIONAL DEVELOPMENT
 DIRECTORATE GENERAL OF REGIONAL INFRASTRUCTURE DEVELOPMENT

HLRIP-II PACKAGE BP-03 YOGYAKARTA-PRAMBANAN

Contractor : PT. DELTAMARGA ADYATAMA

Consultant : PCI in assoc. with PT. ARCEDE

II. SETTING at AMP

G. MIX PROPORTION HOT BIN

HOT BIN	% MATERIAL	WEIGHT OF MATERIAL	CUMULATIVE
Hot Bin I	6	45.4	45.4
Hot Bin II	47	355.7	401.1
Hot Bin III	15	113.5	514.6
Hot Bin IV	30	227.1	741.7
Filler	2	15.1	756.9
Total Mat			756.8
Gilsonite	0.35	2.8	759.6
Bitumen	5.05	40.4	800
Total/Bad			800

H. COMBINATION OF MATERIAL HOT BIN

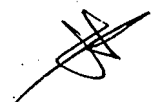
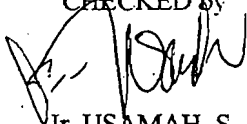

Sieve no.	3/4"	1/2"	3/8"	#4	#8	#16	#30	#50	#100	#200
% passing	100	90.7	76.6	41.3	32.2	23.9	16.9	11.1	7.6	5.2
Spec min		90	-		25					4
Spec max	100	100	90		58					10
Fuller Curve	100	82.8	73.8	53.6	39.1	26.9	21.1	15.5	-	8.3
Restricted Zone					39.1	25.6	19.1	15.5		
					39.1	31.6	23.1	15.5		

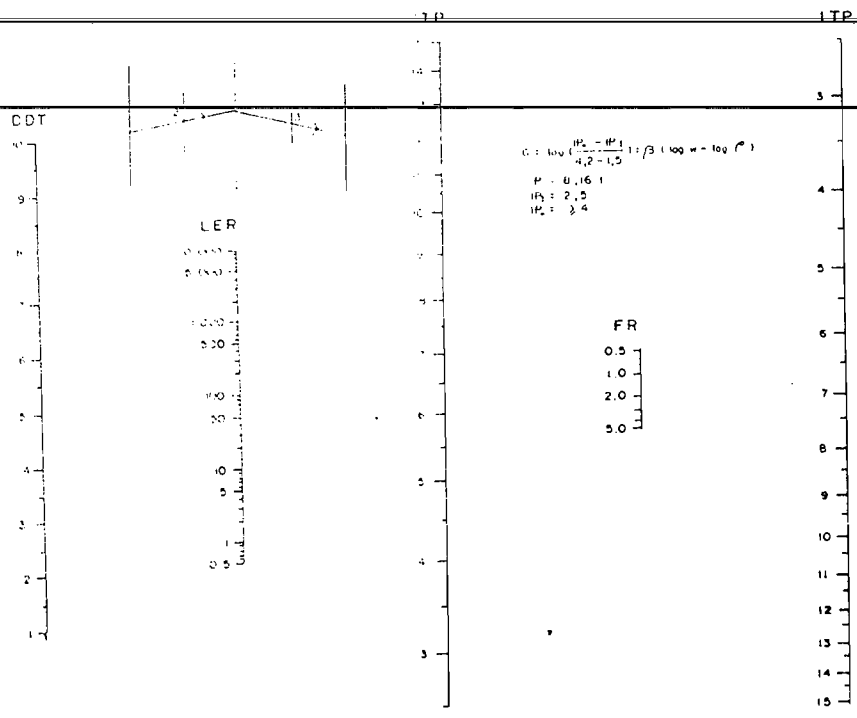
I. MARSHALL TEST

PROPERTY	TEST RESULT	SPECIFICATION
- Void in Mix	% 5.267	4.9 - 5.9 %
- Void Mineral Agg.	% 15.32	min 15 %
- Void Filled Bitumen	% 65.62	min 65 %
- Stability	kg 1525	min 800 kg
- Flow	mm 3.10	min 2 mm
- Marshall Quotion	kg/mm 492	min 200 kg/mm
- Retained Stability	% 88.66	min 85 %
- Void in Mix at Refusal Density	% 2.935	min 2.5 %
- Absorted Bitument	% 1.030	max 1.2 %
- Bitument Film Thickness	(micron) 8.997	min 7.5 (micron)
- Bitumen Content	% 5.4	4.8 - 5.5 %
- Bulk Sp. Gr.	gr/cc 2.356	

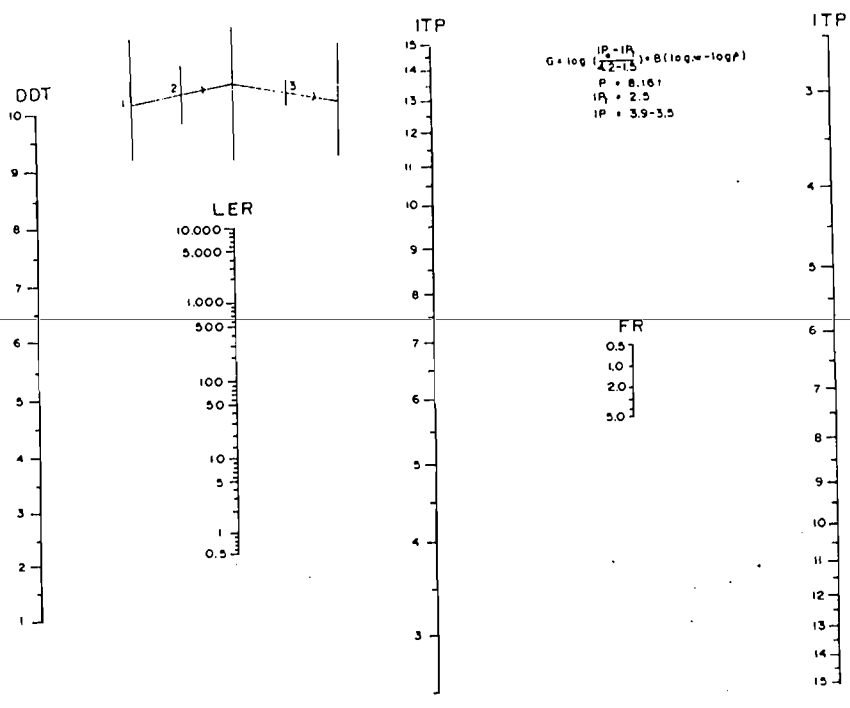
REMARKS

Bitument Content in Mix = 5.4 %
 Gilsonite with Bitment = 7 %

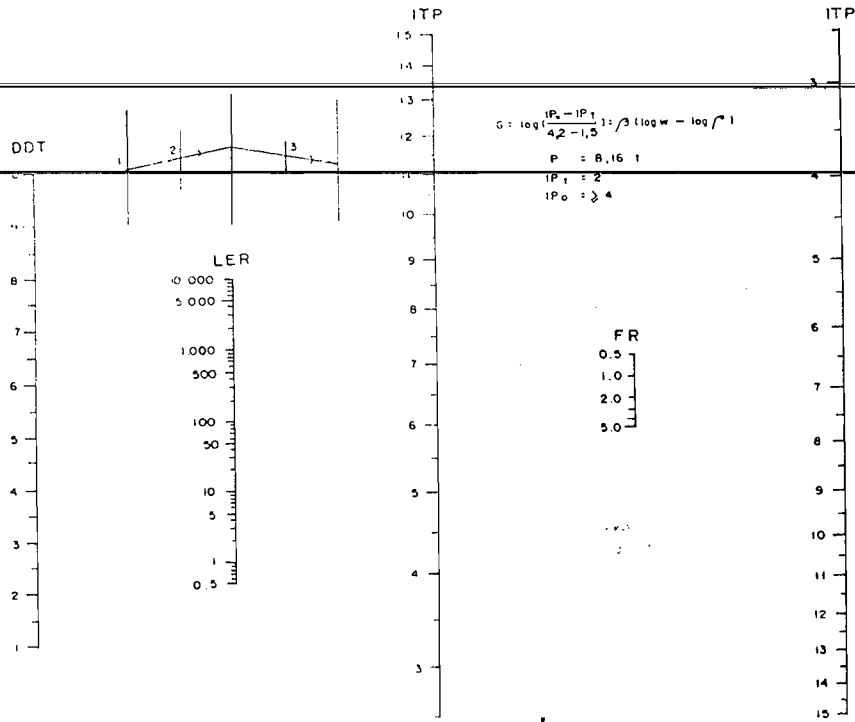
APPROVED by	CHECKED by	SUBMITTED by
 MARDIYONO PENG.PRAS.WIL	 I. USAMAH S. CONSULTANT	 WAHYANA CONTRACTOR



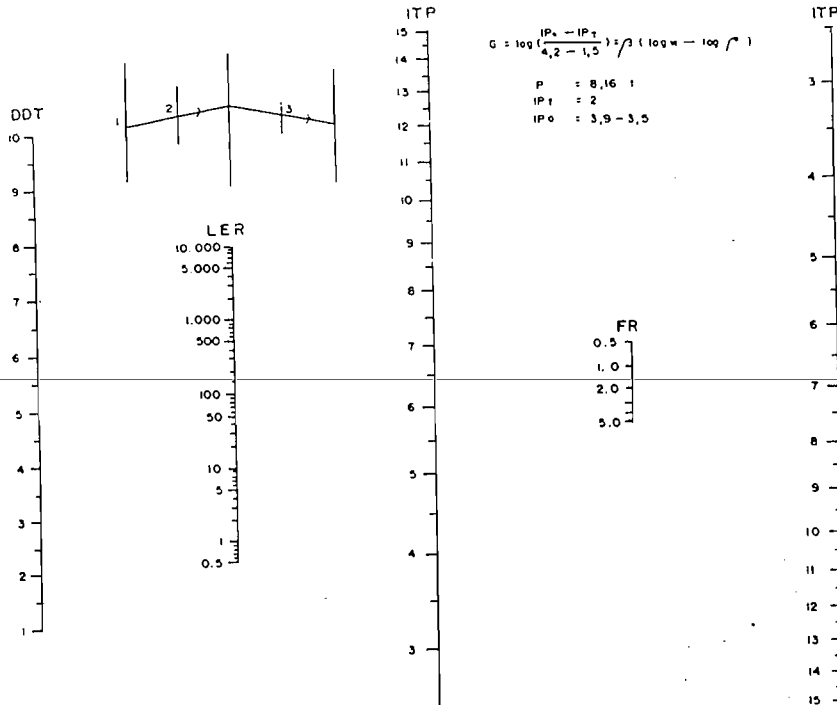
Nomogram untuk $IP_1 = 2.5$ dan $IP_0 = 4$ (15)



Nomogram untuk $IP_1 = 2.5$ dan $IP_0 = 3.9 - 3.5$ (15)

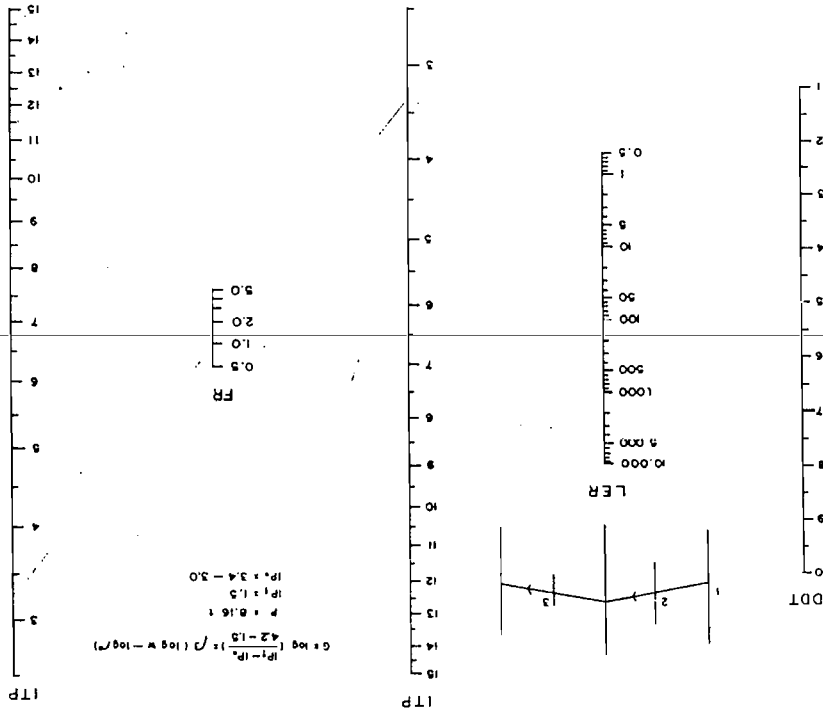


Nomogram untuk $IP_t = 2.0$ dan $IP_o = 4$ (15)

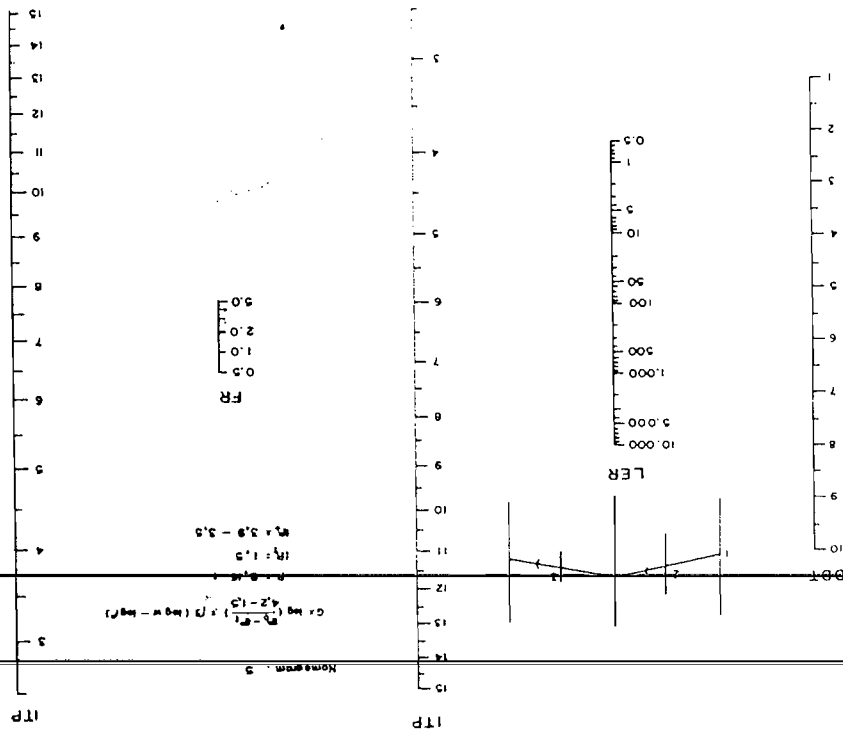


Nomogram untuk $IP_t = 2.0$ dan $IP_o = 3.9 - 3.5$ (15)

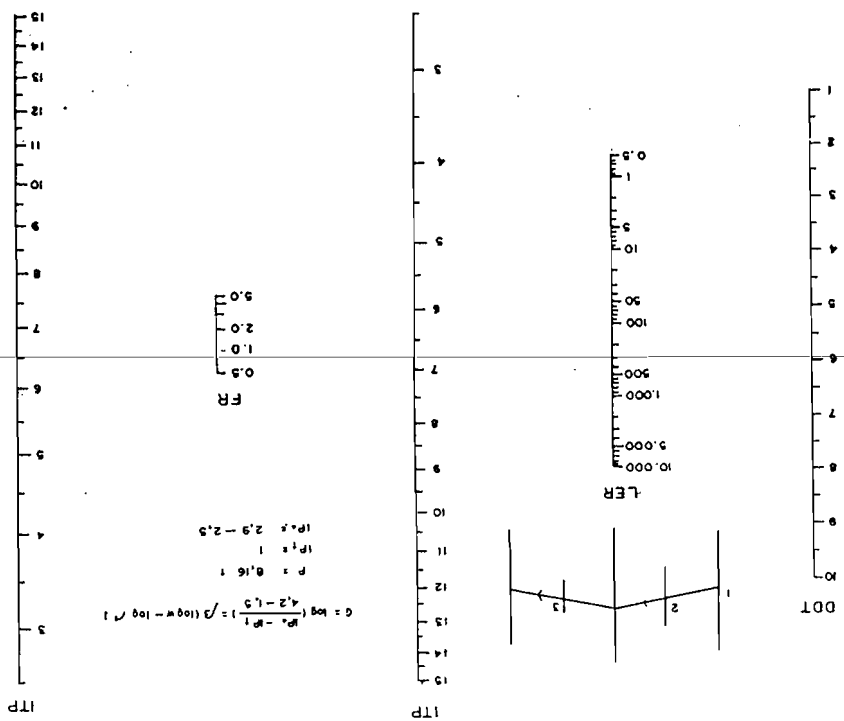
Nomogram untuk $IP_1 = 1.5$ dan $IP_0 = 3.4 - 3.0$ (15)



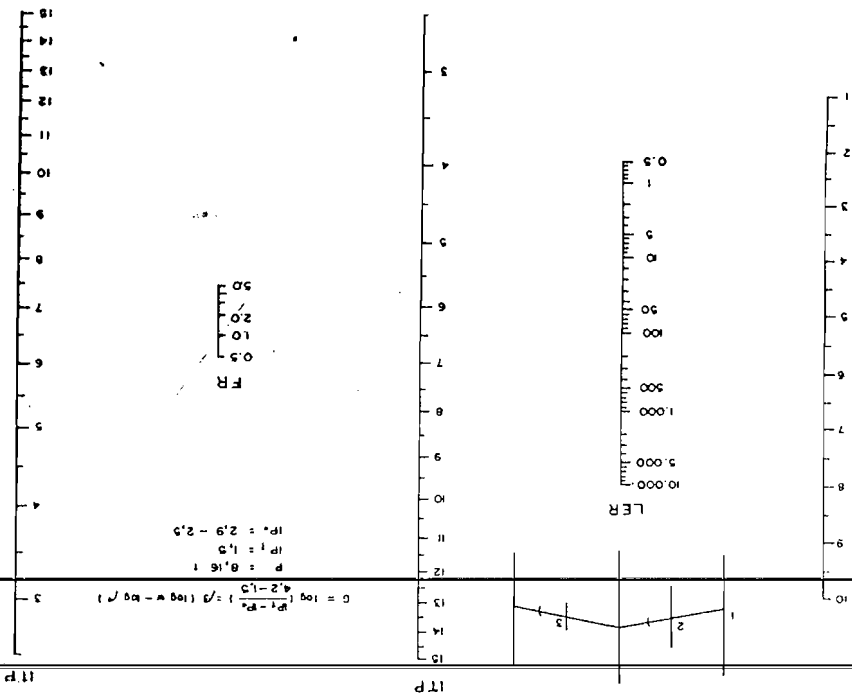
Nomogram untuk $IP_1 = 1.5$ dan $IP_0 = 3.9 - 3.5$ (15)



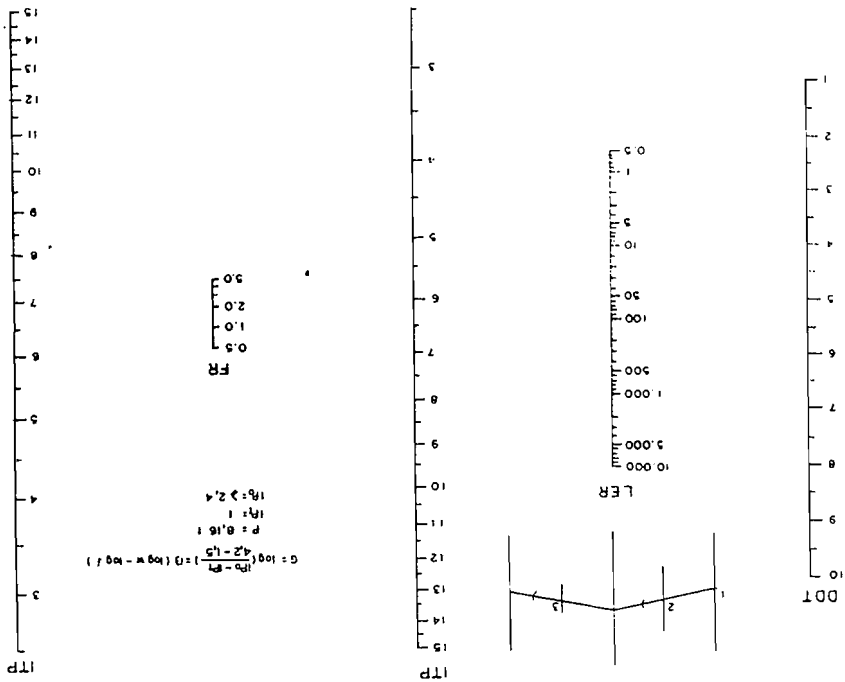
Nomogram untuk $IP_1 = 1.0$ dan $IP_0 = 2.9 - 2.5$ (15)



Nomogram untuk $IP_1 = 1.5$ dan $IP_0 = 2.9 - 2.5$ (15)



Nomogram untuk $IP_0 = 1.0$ dan $IP_0 = 2.4$ (15)



DATA KLIMATOLOGI

BULAN: JANUARI TH.: 2000Garis Lintang : 07° 47" LSGaris Bujur : 110° 26" BTSTASION : ADISUTJIPTOTingg di atas permukaan laut : 350" FEET

TANGGAL	TEMPERATUR °C						CURAH HUJAN (mm)	PENYINARAN MATAHARI %	PERISTIWA CUACA KHUSUS
	0700 W.S.	1300 W.S.	1800 W.S.	RA-TA ²	MAX.	MIN.			
1	2	3	4	5	6	7	8	9	10
1	246	302	254	262	302	242	16.0	.	29
2	252	322	242	267	322	244	1.6	.	95
3	240	302	252	259	302	232	35.4	.	95
4	240	310	250	260	310	240	19.5	.	61
5	242	298	262	261	310	240	13.4	.	62
6	282	250	278	273	282	240	0.4	.	60
7	240	258	274	253	282	224	50.8	.	60
8	242	312	264	265	312	240	1.2	.	05
9	246	302	248	265	302	240	-	.	91
10	240	290	238	257	296	236	-	.	61
11	232	304	274	261	304	230	8.8	.	05
12	246	294	268	264	296	240	-	.	21
13	240	322	288	273	322	230	4.1	.	05
14	228	322	288	267	322	220	-	.	05
16	256	300	272	271	322	242	-	.	95
16	244	294	266	262	294	236	40.1	.	95
17	240	268	272	255	280	230	35.5	.	05
18	244	260	228	244	288	236	-	.	95
19	228	312	276	261	314	228	35.0	.	95
20	248	304	256	264	306	228	-	.	61
21	246	292	260	261	312	230	39.5	.	61
22	246	292	260	261	300	242	1.2	.	15
23	236	290	270	258	302	234	3.4	.	21
24	240	302	268	263	302	236	-	.	60
25	244	310	240	260	316	240	1.6	.	95
26	244	272	270	258	288	240	6.9	.	60
27	240	310	282	268	312	230	2.7	.	60
28	236	304	262	260	304	234	6.4	.	16
29	248	314	266	269	314	242	-	.	60
30	242	290	270	261	294	238	0.4	.	60
31	246	290	276	265	290	238	6.0	.	60
JUMLAH	7544	9192	8174	8123	9412	7302	329.9		
RATA ²	243	300	264	262	304	236	10.6		

TANGGAL	TEKANAN UDA- RA DALAM mb	KELEMBABAN NISBI				A N G I N			
	0000Z	0700 W.S.	1300 W.S.	1800 W.S.	RATA ²	KECE- PATAN RATA ²	ARAH- TERBA- NYAK	KECEPATAN TERBESAR	A R A H
	11	12	13	14	15	16	17	18	19
1	1006.6	95	73	89	88	03	140	12	090
2	1006.0	90	63	93	84	04	340	25	300
3	1006.6	95	70	93	88	04	090	12	130
4	1007.8	97	65	92	88	01	210	12	340
5	1009.4	95	73	90	88	05	240	18	240
6	1008.2	97	93	81	82	05	240	15	240
7	1009.2	97	87	78	90	04	240	16	280
8	1008.4	95	63	84	84	03	090	10	120
9	1009.2	93	69	92	87	03	230	12	200
10	1008.6	95	72	93	89	04	240	20	240
11	1008.5	95	65	81	84	04	240	10	200
12	1007.4	90	74	87	85	04	240	15	240
13	1007.0	91	47	68	74	04	230	15	230
14	1007.4	90	55	65	75	04	240	15	240
15	1008.1	89	76	86	85	01	180	06	180
16	1009.3	95	73	86	87	05	240	15	240
17	1008.8	95	87	78	89	03	300	10	240
18	1007.3	83	89	93	87	03	120	12	260
19	1008.5	93	59	75	80	05	270	17	270
20	1008.1	88	67	90	83	02	150	10	280
21	1008.5	90	59	77	79	05	240	15	250
22	1008.6	95	74	84	87	04	250	17	250
23	1007.8	95	73	75	85	04	220	18	230
24	1007.3	91	69	87	85	05	090	10	090
25	1006.6	93	69	990	86	02	270	10	070
26	1006.4	95	80	84	89	03	080	10	310
27	1007.0	93	63	80	82	04	220	10	080
28	1008.8	93	67	89	85	03	090	12	090
29	1009.6	90	62	78	80	04	180	15	260
30	1010.8	93	70	80	84	06	270	20	220
31	1010.1	93	77	80	86	03	240	10	250
JUMLAH	31251.9	2857	2183	2518	2625	113		424	
RATA ²	1008.1	92	70	84	85	04	240	14	240

CATATAN: Kolom 5 dan 15 = $\frac{2 \times 0700 + 1300 + 1800}{4}$

= RATA² dari 8 jam.

PENGAMAT

(SUGIYANTO.B)
SERTU NRP 509681

FMAU 0308

Jl
R.

TENTARA NASIONAL INDONESIA - ANGGKATAN UDARA
JAWATAN NAVIGASI UDARA
BAGIAN METEOROLOGI

DATA KLIMATOLOGI

BULAN: FEBRUARI TH.: 2000

Garis Lintang: 07° 47' LS

Garis Bujur : 110° 26' BT

STASION : ADI SUCIPTO

Tinggi diatas permukaan laut : 350 FEET

TANGGAL	TEMPERATUR °C						CURAH HUJAN (mm)	PENYINARAN MATAHARI %	PERISTIWA CUACA KHUSUS
	0700 W.S.	1300 W.S.	1800 W.S.	RA-TA ²	MAX.	MIN.	DITAKAR JAM 0000Z	0800 - 1600 W. S.	
1	2	3	4	5	6	7	8	9	10
1	24.4	30.2	27.4	26.6	30.2	24.0	02.7	-	61
2	23.0	25.6	25.6	24.3	26.4	23.0	51.4	-	61
3	23.6	31.0	24.0	25.5	31.0	23.4	11.6	-	95
4	23.6	29.6	27.2	26.0	30.2	23.2	81.8	-	95
5	23.0	29.8	28.9	25.9	30.6	23.8	65.6	-	60
6	24.2	30.0	27.8	26.5	30.2	23.0	02.0	-	60
7	24.4	24.4	23.2	24.1	26.8	24.2	09.5	-	61
8	24.0	26.2	25.0	24.8	26.2	24.0	24.3	-	60
9	24.4	29.8	27.0	26.4	30.0	23.8	02.6	-	05
10	24.0	31.2	24.4	25.9	31.2	23.6	-	-	95
11	23.4	31.4	27.0	26.3	32.2	23.0	49.0	-	60
12	24.8	30.8	26.6	26.7	30.8	24.6	04.1	-	29
13	23.8	30.4	28.0	26.5	30.4	23.5	-	-	05
14	25.2	31.6	28.4	27.6	32.2	23.8	-	-	05
15	23.8	32.6	27.6	26.9	32.6	23.8	-	-	61
16	25.2	32.8	27.8	27.7	33.4	24.0	03.2	-	29
17	25.6	31.8	25.8	27.2	32.2	25.2	-	-	60
18	24.2	31.8	26.0	26.5	31.8	24.0	-	-	95
19	24.8	32.6	24.2	26.6	32.6	24.2	01.0	-	95
20	24.0	29.8	24.0	25.5	30.6	23.4	01.0	-	95
21	24.4	30.2	25.2	26.1	31.6	24.0	35.1	-	95
22	23.6	31.4	26.0	26.1	31.6	23.2	04.4	-	95
23	23.2	30.0	27.3	25.9	30.8	23.0	04.0	-	61
24	23.8	29.4	26.8	25.9	30.4	23.2	08.5	-	61
25	24.0	29.2	27.0	26.1	30.0	23.4	50.3	-	05
26	24.2	31.2	25.6	26.3	31.2	23.4	-	-	95
27	23.2	31.4	27.8	26.4	31.8	22.8	28.0	-	05
28	24.6	31.8	27.4	27.1	31.8	23.2	-	-	05
29	25.0	30.4	27.0	26.7	30.4	24.6	-	-	95
30									
31									
JUMLAH	6994	8784	7651	7601	8912	6866	440.1		
RATA ²	24.1	30.3	26.4	26.2	30.7	23.7	15.1		

2000

TANGGAL	TEKANAN UDARA DALAM mb	KELEMBABAN NISBI				A N G I N			
		0000Z	0700 W.S.	1300 W.S.	1800 W.S.	RATA ²	KECEPATAN RATA ²	ARAH TERBA-NYAK	KECEPATAN TERBESAR
	11	12	13	14	15	16	17	18	19
1									
2	1009.4	95	65	81	84	95	250	18	300
3	1010.1	97	83	89	93	03	260	18	280
4	1008.4	97	68	95	88	03	240	20	240
5	1007.8	95	61	83	83	01	210	10	100
6	1008.4	95	66	79	83	04	250	18	240
7	1008.0	93	70	76	84	01	240	18	270
8	1007.2	95	95	95	95	03	250	20	250
9	1006.6	95	90	84	91	04	270	15	210
10	1006.6	85	73	86	82	06	300	18	270
11	1007.7	95	64	91	87	02	090	10	180
12	1008.4	98	63	90	87	04	120	15	120
13	1008.1	95	72	81	87	01	230	10	250
14	1007.2	93	67	78	83	03	240	10	240
15	1006.2	97	68	82	80	02	090	10	100
16	1007.3	97	68	77	79	03	050	18	120
17	1008.1	92	53	81	81	04	100	15	080
18	1007.0	93	66	85	83	03	120	10	130
19	1007.3	95	63	89	83	03	090	10	120
20	1007.8	95	61	91	85	04	090	10	060
21	1008.4	93	78	93	77	02	210	10	220
22	1008.6	95	71	89	87	03	030	10	090
23	1008.5	97	69	87	85	02	090	10	240
24	1009.3	97	73	84	86	04	240	14	240
25	1009.4	95	76	84	87	03	270	20	240
26	1007.6	91	69	83	84	05	270	18	270
27	1007.6	95	68	81	86	04	310	12	240
28	1006.3	91	61	85	80	03	240	15	230
29	1006.5	97	67	87	86	03	270	17	260
30	1007.1	97	68	87	85	04	290	20	240
31									
JUMLAH	29229.1	2790	1995	2480	2482	93		394	
RATA ²	1007.9	95	67	85	86	03	090	14	240

CATATAN : Kolom 5 dan 15 = $\frac{2 \times 0700 + 1300 + 1800}{4}$
= RATA² dari 8 jam.

PENGAMAT

JRS
PENGAMAT
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BERTARA NASIONAL INDONESIA ANGKATAN UDARA
 DIREKSI NAVIGASI UDARA
 BIRO METEOROLOGI
 BAHAGIA KLIMATOLOGI
 BULAN : MARET TH : 2000

Garis lintang : 07° 0' 47" LS
 Garis bujur : 110° 0' 26" BT

STASIUN : ADISUTWIPTO.

Tinggi diatas permukaan laut : 350 Feet

TANGGAL	TEMPERATUR C						CURAH HUJAN (MM)	PENYINARAN MATAHARI %	PERISTIWA CUACA KHUSUS
	0700 W.S	1300 W.S	1800 W.S	RATA2	MAX	MIN			
1	2	3	4	5	6	7	8	9	10
1	240	312	270	265	312	236	02,0		91
2	244	320	264	268	322	242	05,7		95
3	242	290	250	256	302	238	06,0		60
4	242	302	264	263	318	238	02,7		95
5	236	306	264	261	308	236	09,9		60
6	242	296	268	262	308	240	07,0		60
7	244	300	264	263	310	242	0,2		21
8	238	312	270	265	314	236	0,2		61
9	246	310	238	260	310	238	04,0		95
10	238	262	246	246	302	234	15,4		05
11	244	264	254	252	308	238	-		21
12	248	256	236	247	300	244	01,2		61
13	234	232	230	233	286	228	08,2		61
14	226	262	258	243	304	224	63,0		05
15	254	254	244	252	302	226	-		21
16	242	264	248	249	308	234	-		21
17	246	260	248	250	314	242	03,4		05
18	242	270	250	251	312	240	-		29
19	242	274	262	254	324	228	-		61
20	254	240	238	246	322	242	01,0		61
21	240	254	240	244	300	236	60,5		60
22	230	248	250	239	310	228	02,4		05
23	250	240	238	245	308	246	-		95
24	236	240	238	238	320	236	5,6		61
25	238	242	238	239	288	236	24,2		60
26	240	262	254	249	310	236	07,6		60
27	246	292	264	262	292	240	11,5		60
28	242	316	262	265	316	238	03,1		60
29	246	320	250	265	320	238	13,4		95
30	240	304	274	265	318	238	18,4		60
31	244	310	280	269	310	240	14,6		05
JULIAN	7996	8616	7854	7866	9258	7338	2912		
JAM	242	278	253	254	300	237	9,31		

25 H

TANGGAL	TEKANAN UDARA DIAM mb	KELEMBABAN NISBI				A N G I N				
		0700 W . S	1300 W.S	1800 W.S	RATA2	KECI- PATAN RATA2	ARAH TERBA- NYAK	KECEPATAN TERBESAR	A R A H	
	0900Z	11	12	13	14	15	16	17	18	19
1.	1006,6	95	68	90	87	03	100	10	100	
2.	1007,0	95	65	87	86	05	250	15	250	
3.	1007,8	95	79	92	90	02	130	12	240	
4.	1008,2	95	77	87	89	02	120	10	120	
5.	1007,0	97	69	92	89	02	240	18	250	
6.	1007,0	95	73	86	87	05	250	20	250	
7.	1008,8	91	76	89	87	03	270	10	210	
8.	1008,9	91	64	86	83	04	240	15	210	
9.	1008,5	95	64	93	87	02	240	10	270	
10.	1000,0	95	87	92	92	04	270	17	270	
11.	1008,8	93	89	92	92	05	250	18	240	
12.	1008,0	93	92	95	93	05	240	20	240	
13.	1008,4	95	95	95	95	04	300	10	210	
14.	1009,3	96	84	82	89	07	270	25	260	
15.	1008,9	80	87	90	84	07	270	20	270	
16.	1006,2	88	92	93	90	08	270	25	260	
17.	1006,4	92	82	88	88	05	270	18	230	
18.	1006,9	91	84	90	89	05	240	15	260	
19.	1007,4	91	85	92	89	03	090	12	240	
20.	1008,1	93	95	95	94	03	170	12	340	
21.	1009,2	95	82	91	91	04	240	15	250	
22.	1009,6	95	87	92	92	05	240	18	230	
23.	1009,2	93	93	95	94	02	090	08	130	
24.	1009,4	93	95	95	94	03	090	20	270	
25.	1010,4	97	93	93	95	04	240	12	280	
26.	1009,7	93	92	93	93	02	240	10	240	
27.	1009,8	97	76	87	89	04	240	10	260	
28.	1009,4	93	68	90	86	01	210	10	200	
29.	1010,4	93	64	92	86	02	120	10	210	
30.	1010,5	95	67	78	84	04	240	18	240	
31.	1008,4	95	67	80	84	04	240	15	250	
JUMLAH.	31264,2	2899	2491	2792	2768	119		468		
RATA 2	1008,5	94	80	90	88	04	240	15	240	

CATATAN : Kolom 5 dan 15 = $\frac{2 \times 0700 + 1300 + 1800}{4}$

= RATA² dari 8 jam

PENGAMAT

[Signature]

ELGIYANTO

SERZA NRP 509681

TENTARA NASIONAL INDONESIA - ANGKATAN UDARA
JAWATAN NAVIGASI UDARA
BAGIAN METEOROLOGI

DATA KLIMATOLOGI

BULAN: APRIL TH.: 2000

Garis Lintang: 07° 47" IS

Garis Bujur : 110° 26' BT

STASION : ADISUTJIPTO

Tinggi diatas permukaan laut : 350 Feet

TANGGAL	TEMPERATUR °C						CURAH HUJAN (mm)	PENYINARAN MATAHARI %	PERISTIWA CUACA KHUSUS
	0700 W.S.	1300 W.S.	1800 W.S.	RA-TAZ	MAX.	MIN.	DITAKAR JAM 0000Z	0800 - 1600 W. S.	
1	2	3	4	5	6	7	8	9	10
1	254	294	256	266	316	244	-		61
2	232	312	274	262	312	228	340		95
3	240	310	272	265	314	232	302		95
4	238	306	274	263	306	236	152		10
5	244	308	270	267	308	242	-		10
6	248	300	262	265	302	242	-		61
7	240	304	250	259	304	236	070		95
8	244	304	270	268	304	240	096		95
9	250	316	252	267	316	244	067		91
10	250	290	262	263	290	246	026		95
11	246	286	270	259	298	246	125		95
12	244	306	274	247	306	240	-		10
13	246	294	252	259	302	244	-		61
14	244	310	264	265	310	238	157		21
16	236	312	252	257	312	234	006		95
16	240	318	258	264	318	238	052		95
17	242	302	248	258	310	233	691		95
18	242	306	276	267	308	240	036		61
19	236	306	268	261	306	236	166		10
20	246	300	264	264	304	236	-		61
21	244	306	274	267	304	240	085		60
22	246	300	270	265	300	244	009		60
23	254	320	278	277	320	246	012		95
24	250	314	252	267	316	240	020		95
26	246	302	272	267	304	244	232		05
28	244	308	258	263	308	242	-		95
27	248	266	268	258	296	242	010		15
28	242	270	274	257	310	238	020		60
29	234	308	280	264	308	234	096		05
30	238	310	278	266	310	234	-		60
31									
JUMLAH	7308	8088	7072	7297	7222	7179	2110		
RATA2	244	303	266	263	241	239	050		

TANGGAL	TEKANAN UDARA DALAM mb	KELEMBABAN NISBI				A N G I N				HIS I HIS I 3GI
		0000Z	0700 W.S.	1300 W.S.	1800 W.S.	RATA ²	KEC. PATAN RATA ²	ARAH-TERBA-NYAK	KECEPATAN TERBESAR	
	11	12	13	14	15	16	17	18	19	
1	10076	93	70	93	87	02	320	10	320	66A
2	10089	97	68	84	87	03	240	10	240	C
3	10088	95	71	86	87	04	270	15	270	
4	10081	93	68	81	84	03	240	12	240	
5	10081	97	64	83	85	04	240	15	230	1
6	10078	95	71	86	87	03	350	15	220	2
7	10090	93	73	92	88	03	240	18	270	3
8	10078	95	68	90	85	03	090	10	240	4
9	10069	95	64	93	87	03	090	10	120	5
10	10088	95	68	90	87	05	240	15	270	6
11	10104	95	78	80	87	05	240	15	280	7
12	10092	93	70	84	83	05	240	15	240	8
13	10082	95	73	90	88	05	260	20	260	9
14	10074	95	67	90	87	04	240	15	230	10
15	10078	95	65	92	87	01	270	06	270	11
16	10078	97	65	93	88	01	260	13	280	12
17	10092	97	70	90	89	02	240	15	240	13
18	10105	95	68	81	85	05	240	15	260	14
19	10105	95	65	84	85	07	240	20	270	15
20	10092	95	71	81	85	06	270	15	240	16
21	10088	95	68	80	85	04	270	12	270	17
22	10100	93	71	89	87	01	240	10	250	18
23	10096	92	65	81	83	03	240	12	210	19
24	10082	95	64	90	87	02	110	12	090	20
25	10097	95	75	86	88	04	240	12	260	21
26	10089	93	72	64	81	02	040	15	260	22
27	10096	95	86	89	91	02	250	18	260	23
28	10098	95	87	81	90	03	210	10	300	24
29	10112	95	68	77	84	03	230	15	240	25
30	10112	93	65	80	83	03	230	10	210	26
31										27
JUMLAH	302694	2751	2071	2562	2587	101		410		28
RATA ²	10090	92	69	85	86	03	240	14	240	29

CATATAN : Kolom 5 dan 15 = $\frac{2 \times 0700 + 1300 + 1800}{4}$
= RATA² dari 8 jam.

PENGAMAT

[Signature]

SUGIYANTO

(SERIAL NO. 509681)

DEPARTEMEN PERHUBUNGAN
BADAN METEOROLOGI DAN GEOFISIKA
JL. A. R. HAKIM No. 3 - JAKARTA

IRIS LINTANG : 07°
IRIS BUJUR : 47°

DATA-DATA KLIMATOLOGI

TINGGI DIATAS PERMUKAAN LAUT : 350 Feet

BULAN : MEI 2000

STASIUN : Adlentjpto

NO	TEMPERATURE °C						CURAH HUJAN (mm) DITAKAR JAM 07.00	PENYINARAN MATAHARI (%) 08.00 - 16.00	PERISTIWA CUACA KHUSUS
	0700	1300	1800	RATA2	MAX	MIN			
	1.	2.	3.	4.	5.	6.	7.	8.	9.
1	24.0	28.4	28.8	26.3	30.4	23.4	08.4	-	60
2	24.8	30.4	27.8	26.9	30.4	24.4	02.6	-	21
3	25.4	31.4	25.0	26.8	31.8	24.8	-	-	05
4	23.8	31.8	27.6	26.7	31.8	23.4	-	-	05
5	24.4	32.0	24.8	26.4	32.6	24.0	-	-	95
6	23.6	31.6	28.2	26.7	32.2	23.4	22.8	-	05
7	24.8	31.8	27.8	27.3	31.8	23.0	-	-	05
8	23.2	31.8	28.2	26.6	31.8	23.0	-	-	05
9	22.4	31.6	27.8	26.1	31.6	22.0	-	-	05
10	24.8	31.8	27.8	27.3	31.8	22.4	-	-	05
11	25.6	31.6	28.0	27.7	31.8	24.8	-	-	05
12	24.8	30.8	28.4	27.2	30.8	24.4	-	-	15
13	25.8	30.2	27.8	27.4	31.0	24.8	-	-	05
14	26.0	27.6	25.6	26.3	28.4	25.6	-	-	61
15	24.2	30.8	26.0	26.3	30.8	24.2	03.0	-	95
16	25.2	32.6	29.6	28.1	33.0	24.4	07.8	-	05
17	24.2	32.4	29.2	27.5	33.2	24.2	-	-	05
18	25.0	32.8	29.4	28.1	33.0	24.2	-	-	95
19	25.4	29.8	24.4	26.3	30.2	25.2	02.0	-	95
20	23.8	30.2	27.6	26.3	30.8	23.6	15.8	-	05
21	23.8	31.2	27.8	26.7	31.2	23.6	-	-	05
22	24.8	30.6	28.0	27.1	31.2	23.8	-	-	05
23	25.4	32.8	24.0	26.9	32.8	24.8	-	-	95
24	24.0	30.6	28.0	26.7	31.0	23.4	09.0	-	29
25	25.2	30.6	27.6	27.1	31.0	25.0	-	-	05
26	23.8	31.8	27.8	26.8	32.0	23.6	-	-	05
27	24.4	32.2	29.0	27.5	32.8	23.4	-	-	05
28	24.0	32.0	28.6	27.1	32.2	23.6	-	-	05
29	24.8	32.8	28.6	27.7	32.8	24.0	-	-	05
30	24.8	32.0	28.4	27.5	32.0	24.8	-	-	05
31	23.0	31.8	27.8	26.4	32.0	23.0	-	-	05
JUMLAH	7592	9698	6554	6358	5862	7422	71.4		
RATA2	24.5	31.3	27.6	27.0	31.6	23.9	02.3		

8H

KODE : F. KLIM

ANGGAL	TEKANAN UDARA DLM mb	LEMBAB NISBI DALAM %				A N G I N			
		0700	1300	1800	RATA2	KECEPATAN RATA-RATA	ARAH TERBANYAK	KECEPATAN TERBESAR	ARAH
		11	12	13	14	15	16	17	18
1	1010.4	93	77	77	85	02	180	10	18
2	1009.7	90	64	81	81	04	120	12	10
3	1010.2	82	64	90	79	04	120	12	12
4	1010.2	93	61	81	82	03	160	12	12
5	1011.0	90	60	92	83	02	180	20	21
6	1011.7	95	63	75	82	03	180	12	18
7	1012.0	90	57	73	77	03	180	05	21
8	1011.6	91	56	71	77	02	210	10	27
9	1011.0	85	57	74	75	03	240	15	27
10	1010.2	92	58	78	80	04	220	12	17
11	1009.6	87	60	70	76	04	180	10	20
12	1009.8	92	68	77	62	03	210	15	20
13	1009.2	89	70	77	61	05	160	17	18
14	1009.7	89	80	93	68	03	160	12	16
15	1009.7	97	68	92	89	03	220	10	08
16	1009.0	87	57	74	76	07	090	20	07
17	1010.0	93	57	74	79	02	180	12	18
18	1010.1	93	58	76	80	03	100	15	12
19	1010.0	95	77	95	91	03	270	15	27
20	1010.5	95	71	81	85	03	270	10	21
21	1009.0	93	63	83	83	02	240	08	24
22	1010.6	93	68	85	85	02	120	08	12
23	1010.4	92	59	91	84	04	090	15	14
24	1010.4	93	73	83	85	04	240	13	24
25	1010.1	95	70	80	85	02	210	17	27
26	1010.1	95	68	80	85	02	230	07	23
27	1009.4	93	57	77	80	02	180	08	18
28	1010.0	95	59	83	83	04	180	15	15
29	1009.4	93	58	73	79	05	180	10	10
30	1009.2	92	58	77	80	04	180	15	17
31	1008.6	91	55	66	76	04	180	15	17
MLAH	31313.4	2743	1971	2479	2473	101		398	
TA ²	1010.1	88	64	80	80	03	180	13	15

CATATAN : Kolom 4 dan 14 2 x 0700 + 1300 + 1800

Kolom 8

Rata-rata dari 8 jam

SUGIYANTO
SERKA NRP 509681

JUMLAH
RATA2

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DEPARTEMEN PERHUBUNGAN
BADAN METEOROLOGI DAN GEOFISIKA
JL. A. R. HAKIM No. 3 - JAKARTA

GARIS LINTANG : 07° 47' DATA-DATA KLIMATOLOGI
 GARIS BUJUR : 110° 26' BULAN: JUNI 2000
 TINGGI DIATAS PERMUKAAN LAUT: 350 Feet STASIUN: Adisutjipto

ANGGAL	TEMPERATURE °C						CURAH HUJAN (mm)	PENYINARAN MATAHARI (%)	PERISTIWA CUACA KHUSUS
	0700	1300	1800	RATA2	MAX	MIN	DITAKAR JAM 07.00	08.00 - 16.00	
	1	2	3	4	5	6	7	8	9
1	21.4	31.0	27.6	25.3	31.4	21.4	-		05
2	23.8	31.6	27.8	26.7	31.6	21.4	-		61
3	24.6	29.4	25.2	25.9	30.0	23.8	04.6		61
4	24.0	31.0	26.8	26.5	31.4	23.8	36.1		60
5	25.0	30.6	25.0	26.4	31.6	24.0	02.4		91
6	24.0	30.8	24.8	25.9	32.0	23.2	02.0		95
7	23.4	30.4	27.4	26.2	30.6	23.4	54.7		40
8	23.0	29.8	27.0	25.7	29.8	22.4	-		05
9	22.4	30.0	26.8	25.4	31.0	21.6	-		05
10	23.6	30.6	28.2	26.5	31.6	23.6	-		05
11	22.0	30.4	27.2	25.4	30.4	21.8	-		05
12	24.0	29.6	27.8	26.3	30.4	22.0	-		05
13	22.4	30.2	26.8	25.5	30.2	20.4	-		05
14	20.4	29.4	26.0	24.1	30.0	20.4	-		05
15	21.4	29.4	26.2	24.6	30.4	20.4	-		05
16	22.2	29.8	26.8	25.3	30.0	20.8	-		05
17	23.2	31.4	28.4	26.5	32.2	22.2	-		05
18	25.4	31.4	27.4	27.4	32.4	23.2	-		05
19	24.0	28.8	26.6	25.9	29.8	23.8	-		05
20	23.2	29.6	26.8	25.7	29.6	23.2	-		05
21	22.8	31.4	27.4	26.1	32.4	22.8	-		05
22	24.2	30.4	28.0	26.7	30.7	22.8	-		05
23	23.2	31.6	26.8	26.2	31.6	23.0	-		05
24	22.2	30.4	26.0	25.2	30.6	21.6	-		05
25	21.2	30.2	26.6	24.8	30.2	21.2	-		05
26	19.8	19.6	26.8	21.5	30.6	19.0	-		05
27	21.8	29.0	26.0	24.5	29.0	19.8	-		05
28	23.0	28.4	25.8	25.1	29.0	21.4	-		05
29	20.6	28.4	25.6	23.8	29.0	20.4	-		05
30	19.4	28.8	26.4	23.5	29.8	19.4	-		05
31									
JUMLAH	6812	8934	8020	7646	9192	6552	99.8		
RATA2.	22.7	29.8	26.7	25.5	30.6	21.8	03.3		

CH

KODE : F. KLIM 7

ANGGAL	TEKANAN UDARA DLM mb	LEMBAB NISBI DALAM %				A N G I N			
		0700	1300	1800	RATA2	KECEPATAN RATA-RATA	ARAH TERBANYAK	KECEPATAN TERBESAR	ARAH
	10	11	12	13	14	15	16	17	18
1	1008.4	91	57	73	78	02	160	10	100
2	1008.0	90	55	78	78	04	170	12	120
3	1007.0	93	56	93	87	02	090	15	060
4	1007.7	95	63	86	86	04	140	10	090
5	1008.4	93	68	90	86	04	140	10	090
6	1010.4	95	69	93	88	02	090	20	310
7	1010.8	97	73	74	85	04	210	15	240
8	1012.8	93	62	75	81	02	240	12	270
9	1012.5	95	61	81	83	02	160	12	240
10	1012.0	91	60	75	79	01	250	10	250
11	1011.8	93	64	78	82	02	250	12	340
12	1012.1	91	62	71	79	03	180	15	180
13	1012.2	93	62	71	80	04	180	15	170
14	1013.0	93	61	76	81	04	240	15	240
15	1012.4	93	58	73	79	04	180	12	160
16	1011.7	89	60	77	79	02	180	10	160
17	1010.5	93	61	79	82	02	180	10	130
18	1009.4	90	59	78	79	05	090	15	130
19	1010.5	91	65	78	81	07	090	18	120
20	1010.8	91	67	86	84	02	180	12	180
21	1011.8	91	57	73	78	02	180	14	180
22	1012.0	93	62	76	81	02	130	08	150
23	1011.8	95	57	75	80	02	180	15	120
24	1011.0	93	60	68	79	02	180	12	200
25	1010.9	93	59	64	61	04	290	15	290
26	1011.4	95	53	57	75	01	210	10	170
27	1010.9	91	65	73	80	02	210	15	250
28	1010.8	88	61	70	78	03	210	10	240
29	1010.2	93	63	71	80	02	210	10	250
30	1009.4	96	59	70	80	02	270	08	270
31									
IMLAH	30322.2	2778	1851	2282	2373	81		382	
ATA ²	1010.7	93	62	76	79	03	180	13	240

CATATAN : Kolom 4 dan 14 = $2 \times 0700 + 1300 + 1800$

Kolom 8 = Rata-rata dari 8 jam

Pengamat

[Signature]
 PENGAMAT
 SURTA PA... 2002
 (.....)

31
 JIMI A
 RATA2

DEPARTEMEN PERHUBUNGAN
BADAN METEOROLOGI DAN GEOFISIKA
JL. A. R. HAKIM No. 3 -- JAKARTA

LARIS LINTANG : 07° 47' S
 LARIS BUJUT : 110° 26' E

DATA-DATA KLIMATOLOGI

BULAN: Juli 2000

TINGGI DIATAS PERMUKAAN LAUT: 350 Feet

STASIUN: Adisutjipto

ANGGAL	TEMPERATURE °C						CURAH HUJAN (mm)	PENYINARAN MATAHARI (%)	PERISTIWA CUACA KHUSUS
	0700	1300	1800	RATA2	MAX	MIN			
	1	2	3	4	5	6	7	8	
1	20.8	31.0	27.2	24.9	31.6	20.6	-	-	05
2	22.2	30.0	27.0	25.3	30.4	20.8	-	-	05
3	21.4	30.6	27.0	25.1	30.6	21.4	-	-	05
4	22.0	30.2	27.6	25.5	30.6	20.8	-	-	05
5	24.0	30.4	27.6	26.5	30.6	22.0	-	-	05
6	23.0	31.2	27.4	26.1	31.8	21.8	-	-	05
7	23.6	30.4	27.2	26.2	31.2	23.0	-	-	05
8	22.8	30.2	26.8	25.7	30.4	22.8	-	-	05
9	22.4	30.0	27.4	25.5	30.4	22.2	-	-	05
10	21.0	30.2	26.6	24.7	30.6	21.0	-	-	05
11	20.4	29.8	26.6	24.3	30.8	19.6	-	-	05
12	22.0	30.6	27.2	25.5	30.6	20.4	-	-	05
13	23.4	31.6	28.2	26.7	31.8	23.4	-	-	05
14	24.0	30.6	26.6	26.3	30.4	23.0	-	-	05
15	21.0	31.0	27.4	25.1	31.6	20.8	-	-	05
16	22.6	32.0	27.4	26.1	32.4	20.8	-	-	05
17	23.2	32.4	29.0	26.9	32.6	22.6	-	-	05
18	23.8	32.2	28.2	27.0	32.6	23.6	-	-	05
19	23.0	32.4	28.0	26.6	32.4	22.8	-	-	05
20	23.6	31.0	28.2	26.6	32.2	23.0	-	-	05
21	23.6	30.6	28.4	26.5	31.0	23.4	-	-	05
22	21.4	30.6	26.2	24.9	30.8	21.8	-	-	05
23	22.4	31.6	26.6	25.7	31.6	21.4	-	-	05
24	20.8	31.0	27.6	25.1	31.8	20.4	-	-	05
25	23.0	31.2	27.2	26.1	31.2	23.0	-	-	05
26	24.4	31.0	27.0	26.7	31.6	24.0	-	-	05
27	23.0	31.0	27.0	26.0	31.0	22.4	-	-	05
28	24.2	30.6	26.4	26.3	30.6	23.0	-	-	05
29	24.2	30.8	27.6	26.7	31.0	23.8	-	-	05
30	24.0	31.0	27.4	26.6	31.5	24.0	-	-	05
31	24.4	29.4	26.4	26.1	30.4	24.2	-	-	05
JUMLAH	7296	9566	8264	8033	968,2	666,7	-	-	
RATA2	23.5	30.8	26.6	25.9	31.2	21.5	-	-	

TANGGAL	TEKANAN UDARA DLM mb	LEMBAR NISBI DALAM %				A N G I N			
		0700	1300	1800	RAATA	KECEPATAN RATA RATA	ARAH TERBANYAK	KECEPATAN TERBESAR	ARAH ANI
	10	11	12	13	14	15	16	17	18
1	1008.5	91	57	73	78	02	090	12	21
2	1007.8	95	61	75	81	03	240	12	21
3	1007.8	95	57	72	84	03	240	12	21
4	1008.5	93	59	73	79	02	240	15	23
5	1010.2	90	63	73	79	02	200	12	18
6	1011.3	91	54	74	77	03	220	10	16
7	1011.0	91	62	75	80	04	180	10	16
8	1010.8	91	64	75	80	04	210	10	21
9	1010.1	93	59	68	78	02	240	10	24
10	1011.6	93	55	68	77	02	260	12	26
11	1011.6	92	55	72	78	03	230	12	21
12	1011.6	91	59	77	79	02	190	12	19
13	1011.8	91	56	76	79	02	130	10	21
14	1011.6	90	56	72	77	04	210	15	21
15	1010.9	91	46	68	74	03	180	15	11
16	1011.4	89	43	65	71	04	090	14	08
17	1011.8	88	41	66	70	07	090	20	11
18	1011.4	85	53	73	74	04	180	20	11
19	1010.6	91	77	68	82	02	200	15	21
20	1010.8	86	55	65	73	02	180	12	11
21	1012.4	88	52	71	75	04	210	12	21
22	1012.2	89	45	66	72	05	210	15	21
23	1011.6	89	49	67	74	05	200	15	21
24	1011.6	93	52	70	77	02	170	15	11
25	1012.4	93	54	69	77	02	200	12	21
26	1011.8	85	54	67	72	03	180	16	10
27	1010.0	88	57	75	77	03	210	12	21
28	1010.6	90	62	84	81	03	230	20	08
29	1011.3	91	62	71	79	04	180	12	11
30	1011.4	88	55	74	76	04	150	12	11
31	1011.3	85	65	76	75	03	220	12	21
JUMLAH	31337.7	2796	1739	2208	2385	96		313	28
RAATA	1010.8	90	56	71	77	03	180	10	29

CATATAN: Kolom 4 dan 14 2 x 0700 + 1300 + 1800

Kolom 8

Rata-rata dari 8 jam

Pengamat,

SUGIYANTO
 SERKA TRF 509681

JUMLAH
 RAATA

DEPARTEMEN PERHUBUNGAN
BADAN METEOROLOGI DAN GEOFISIKA
JL. A. R. HAKIM No. 3 - JAKARTA

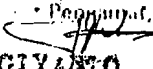
GARIS LINTANG : 07° 47" LS DATA-DATA KLIMATOLOGI
 GARIS BUJUR : 110° 26" BT BULAN : Agustus 2000
 TINGGI DIATAS PERMUKAAN LAUT : 350 Feet STASIUN : Adisutjipto

TANGGAL	TEMPERATURE "C						CURAH HUJAN (mm)	PENYINARAN MATAHARI (%)	PERISTIWA CUACA KHUSUS
	0700	1300	1800	RATA2	MAX	MIN			
	1	2	3	4	5	6	7	8	
1	23.6	30.6	26.4	26.0	30.8	23.6	-	-	05
2	24.0	31.2	26.6	26.5	31.6	23.6	-	-	05
3	24.4	30.6	26.0	26.3	30.6	24.0	-	-	05
4	22.2	31.8	28.2	26.1	32.6	22.0	-	-	05
5	21.4	32.4	28.2	25.9	32.6	21.4	-	-	05
6	21.0	30.8	27.2	25.0	31.2	21.0	-	-	05
7	23.0	30.6	26.4	25.7	30.8	21.0	-	-	05
8	23.6	31.0	27.6	26.5	32.0	23.4	-	-	05
9	22.2	30.6	26.8	25.5	30.6	22.2	-	-	05
10	23.2	30.8	26.8	25.9	30.8	21.8	-	-	05
11	23.8	30.6	26.6	26.2	30.6	23.2	-	-	05
12	23.2	31.2	27.0	26.1	31.8	22.8	-	-	05
13	20.8	31.6	27.0	25.1	32.0	20.8	-	-	05
14	20.4	31.0	26.8	24.9	31.6	20.2	-	-	05
15	23.6	30.6	26.8	26.1	32.0	23.4	-	-	05
16	22.0	29.8	26.4	25.1	30.2	21.8	-	-	05
17	22.0	29.6	26.0	24.9	30.2	21.8	-	-	05
18	21.0	29.2	27.0	24.5	30.4	21.4	-	-	05
19	20.4	31.4	27.2	24.9	31.4	20.2	-	-	05
20	21.0	30.2	27.6	24.9	31.6	20.0	-	-	05
21	21.2	31.6	26.2	25.1	31.6	21.0	-	-	05
22	21.6	30.2	27.4	25.2	31.2	21.2	-	-	05
23	20.0	31.4	25.6	24.2	31.4	19.8	-	-	05
24	21.4	31.8	26.4	25.3	31.8	21.2	-	-	05
25	23.0	32.6	29.0	26.9	34.2	21.8	-	-	05
26	25.2	32.4	26.0	27.2	32.4	23.0	-	-	60
27	24.0	32.2	26.4	26.7	32.2	23.8	09.8	-	60
28	24.8	27.2	25.8	25.7	28.8	24.0	00.2	-	15
29	24.0	31.2	27.0	26.5	31.2	23.8	-	-	05
30	23.8	31.8	28.0	26.8	31.8	23.8	-	-	05
31	24.4	32.4	24.0	26.3	32.4	23.6	00.4	-	60
JUMI ALL	7002	9302	8268	7783	9744	6864	10.4		
RATA2	22.6	30.0	26.6	25.1	31.4	22.1	00.3		

TANGGAL	TEKANAN UDARA DLM mb	LEMBAR NISBI DALAM %				A N G I N			
		0700	1300	1800	RATA2	KECEPATAN RATA RATA	ARAH TERBANYAK	KECEPATAN TERBESAR	AR
1	1010.5	91 ¹	57 ²	71 ³	77 ⁴	03 ⁵	180 ⁶	20 ⁷	18
2	1011.0	85	52	67	72	04	180	10	18
3	1012.1	80	59	76	74	03	180	10	18
4	1011.8	91	47	63	73	02	200	10	18
5	1011.4	93	34	61	70	04	270	22	27
6	1011.3	93	53	67	77	04	270	15	20
7	1012.1	88	56	72	76	05	180	20	18
8	1012.2	86	54	65	73	03	170	10	17
9	1010.5	93	56	69	78	02	220	10	22
10	1011.6	90	50	72	75	03	210	12	20
11	1010.8	86	49	66	72	04	190	15	21
12	1012.6	85	53	64	72	02	240	10	24
13	1014.0	93	46	67	75	02	180	10	18
14	1013.3	93	53	69	77	02	250	07	25
15	1013.3	90	52	69	73	04	200	18	22
16	1011.7	91	51	68	75	05	210	15	27
17	1011.7	93	61	64	78	04	240	15	240
18	1012.0	91	48	60	73	03	240	12	220
19	1011.4	94	53	60	75	02	250	08	21
20	1011.7	91	53	61	74	03	230	18	23
21	1010.6	91	39	65	71	05	240	15	19
22	1011.2	89	52	60	73	04	240	15	27
23	1011.6	92	31	71	71	02	240	08	24
24	1011.4	89	43	75	74	03	260	12	30
25	1010.6	91	51	62	74	02	210	22	21
26	1011.2	90	53	69	81	01	210	10	22
27	1010.6	93	58	61	81	02	360	10	24
28	1012.0	90	73	86	85	02	210	12	26
29	1012.2	93	56	71	78	02	270	10	27
30	1010.6	88	57	71	76	03	240	18	31
31	1010.8	93	55	79	69	01	210	10	24
JUMLAH	31359.5	2704	1603	2141	2262	92		409	
RATA2	1011.6	87	51	69	72	02	240	13	18

CATATAN : Kolom 4 dan 14 2 x 0700 + 1300 + 1800

Kolom 11 Ratarata dari 11 jam

Perinyat.

NUGIYANTO
 DITRUK. MUP 509581

JL
 R/

JAWATAN NAVIGASI UDARA
BAGIAN METEOROLOGI

DATA KLIMATOLOGI

BULAN: September TH.: 2000

Garis Lintang: 07° 47' IS

Garis Bujur : 110° 26'

STASION: Adisutjipto

Tinggi diatas permukaan laut: 350 Feet

TANGGAL	TEMPERATUR °C						CURAH HUJAN (mm)	PENYINARAN MATAHARI %	PERISTIWA CUACA KHUSUS
	0700 W.S.	1300 W.S.	1800 W.S.	RA-TA ²	MAX.	MIN.			
1	2	3	4	5	6	7	8	9	10
1	24.8	32.2	28.0	27.5	32.8	24.4	6.0	-	05
2	24.6	32.2	29.0	27.6	33.2	24.2	-	-	05
3	23.6	32.6	28.4	27.1	32.8	23.4	-	-	05
4	24.6	31.4	27.6	27.1	31.6	23.6	-	-	05
5	24.6	31.6	27.4	27.1	32.0	24.4	-	-	05
6	23.8	30.8	27.0	26.4	31.4	23.0	-	-	05
7	24.8	31.0	27.0	26.9	31.6	23.8	-	-	05
8	24.8	32.4	27.6	27.4	32.4	24.4	-	-	05
9	24.6	30.4	27.0	26.7	31.8	22.4	-	-	05
10	24.2	31.2	26.4	26.5	31.6	24.0	-	-	05
11	23.2	30.4	27.0	26.0	31.0	23.0	-	-	05
12	24.6	33.8	28.2	27.8	34.4	23.2	-	-	05
13	26.0	32.4	27.4	27.9	33.0	24.6	-	-	05
14	24.2	32.8	28.2	27.4	33.4	23.2	-	-	05
15	23.2	30.8	27.0	26.1	30.8	23.0	-	-	05
16	25.2	29.8	27.4	27.1	31.0	23.2	-	-	05
17	24.6	33.0	28.0	27.5	33.0	24.0	-	-	05
18	25.4	33.2	28.4	28.1	33.6	24.6	04.0	-	21
19	25.0	32.6	29.0	27.9	32.8	24.0	-	-	05
20	24.6	31.2	28.0	27.1	31.2	24.0	-	-	05
21	24.6	31.0	27.8	27.0	31.4	24.2	-	-	05
22	23.0	31.8	27.8	26.4	32.0	22.6	-	-	05
23	25.0	32.6	29.0	27.9	33.6	24.6	-	-	05
24	25.2	33.6	28.0	28.0	33.8	24.6	-	-	05
25	26.2	33.0	27.4	28.2	33.0	25.2	-	-	05
26	25.2	32.8	27.4	27.6	32.8	24.8	-	-	05
27	26.0	32.4	27.8	28.1	33.4	25.8	-	-	05
28	25.8	31.8	27.2	27.7	32.4	25.6	-	-	05
29	25.6	32.8	28.2	28.1	35.0	23.8	-	-	05
30	25.8	33.2	28.8	28.4	33.6	25.4	-	-	05
31									
JUMLAH	7428	9608	8334	8206	9744	7210	07.0		
RATA ²	24.8	32.0	27.8	27.3	32.5	24.0	0,2		

TANGGAL	TEKANAN UDARA DALAM mb	KELEMBABAN NISBI				A N G I N				RIS
		0000Z	0700 W.S.	1300 W.S.	1800 W.S.	RATA ²	KECEPATAN RATA ²	ARAH-TERBUANYAK	KECEPATAN TERBESAR	
	11	12	13	14	15	16	17	18	19	RIS
1	1011.0	90	55	71	77	04	120	10	120	
2	1011.2	91	58	70	77	03	270	14	270	1
3	1010.8	95	58	72	80	04	260	16	260	2
4	1012.9	90	59	73	78	04	210	12	280	3
5	1012.8	92	57	74	79	04	210	15	240	4
6	1012.6	90	56	74	77	04	200	10	240	5
7	1012.4	87	57	69	75	05	170	20	170	6
8	1013.2	82	45	70	70	05	190	12	190	7
9	1013.3	83	54	63	71	04	210	12	180	8
10	1013.3	83	50	62	70	06	240	17	240	9
11	1011.8	90	60	69	77	04	240	15	240	10
12	1012.2	91	42	71	74	05	200	20	180	11
13	1011.6	82	57	74	74	03	180	08	180	12
14	1011.6	87	48	60	74	03	180	17	180	13
15	1011.4	86	52	69	73	06	180	18	210	14
16	1011.4	82	62	73	75	05	190	12	180	15
17	1011.3	88	51	73	75	03	220	10	220	16
18	1011.0	86	55	70	74	03	200	08	140	17
19	1010.4	92	52	65	75	03	270	12	270	18
20	1010.8	88	60	70	76	03	240	10	270	19
21	1011.8	90	54	67	75	03	210	10	210	20
22	1011.8	91	57	70	77	02	240	10	240	21
23	1011.8	92	57	68	77	03	190	12	210	22
24	1011.3	90	52	78	77	03	240	10	270	23
25	1012.2	81	53	75	72	06	210	15	200	24
26	1012.2	89	53	74	76	04	210	15	210	25
27	1012.2	82	58	71	73	04	240	12	270	26
28	1012.4	80	56	74	73	04	240	08	160	27
29	1011.8	84	54	71	73	03	200	10	200	28
30	1012.2	86	48	63	71	05	200	15	220	29
31										30
JUMLAH	303057.1	2620	1630	2380	2235	118		385		31
RATA ²	1011.9	87	54	79	75	04	200	13	210	32

CATATAN : Kolom 5 dan 15 = $\frac{2 \times 0700 + 1300 + 1800}{4}$
= RATA² dari 8 jam.

PENGAMAT

SUGIYANTO

SIKKA NRP-509681

DEPARTEMEN PERHUBUNGAN
BADAN METEOROLOGI DAN GEOFISIKA
JL. A. R. HAKIM No. 3 - JAKARTA

GARIS LINTANG : 07° 47' 15" LS
GARIS BUJUR : 110° 26' BT
TINGGI DI ATAS PERMUKAAN LAUT :

DATA-DATA KLIMATOLOGI
BULAN : Oktober 2000

STASIUN : Adisutjipto

ANGGAL	TEMPERATURE °C						CURAH HUJAN (mm)	PENYINARAN MATAHARI (%) 08.00 - 16.00	PERISTIWA CUACA KHUSUS
	0700	1300	1800	RAIAP	MAX	MIN			
	1	2	3	4	5	6	DITAKAR JAM 07.00 7	8	
1	24.2	34.2	27.8	27.6	34.2	23.8	-		05
2	25.4	33.0	28.0	27.9	33.8	25.0	-		05
3	24.4	31.0	26.8	26.6	31.0	24.0	-		05
4	25.4	33.0	27.4	27.8	33.0	25.0	-		05
5	25.6	32.2	26.4	27.4	32.2	25.4	-		05
6	26.0	32.2	28.0	28.0	32.4	25.6	-		05
7	26.4	31.6	26.8	27.8	32.4	25.6	-		05
8	24.8	31.6	26.6	26.9	31.6	24.0	-		05
9	25.2	29.6	26.8	26.7	30.8	23.2	-		05
10	24.4	30.6	27.0	26.6	31.2	23.8	-		60
11	23.4	30.8	27.2	26.2	31.4	23.2	01.6		60
12	24.8	32.4	27.6	27.4	32.4	24.6	00.6		15
13	25.0	29.0	26.8	26.5	29.0	24.6	-		60
14	25.6	31.0	25.4	26.9	31.0	25.4	01.4		95
15	24.8	29.0	26.8	26.3	29.0	24.2	03.3		61
16	24.4	30.4	28.0	26.8	30.4	24.4	08.2		95
17	25.2	28.0	25.2	25.9	28.6	24.4	09.5		61
18	24.8	28.0	26.0	25.9	28.0	24.6	04.4		21
19	24.6	30.6	26.8	26.7	30.6	24.0	01.2		05
20	24.2	31.0	27.6	26.7	31.0	23.6	-		05
21	25.0	31.6	28.2	27.5	32.0	24.0	-		05
22	25.8	31.6	28.8	28.0	32.6	24.2	-		05
23	24.2	30.0	28.0	26.6	30.8	24.2	01.0		05
24	25.8	29.4	27.6	27.1	30.0	25.4	00.6		61
25	25.0	29.0	24.6	25.9	29.8	24.6	24.8		95
26	24.4	31.2	25.8	26.5	31.8	24.0	06.6		95
27	25.4	32.0	26.0	27.2	32.4	24.4	17.6		95
28	24.4	29.4	26.6	26.2	29.4	23.8	30.3		05
29	25.0	32.6	27.0	27.4	32.6	23.6	-		95
30	25.2	28.0	26.0	26.1	30.4	25.0	01.2		60
31	24.6	31.6	28.0	27.2	31.6	24.6	09.8		05
JUMLAH	7734	9556	8356	8343	9674	7563	124.8		
RAIAP	24.9	30.8	26.9	26.9	31.2	24.3	04.0		

TANGGAL	TEKANAN UDARA DLM mb	LEMBAB NISBI DALAM %				A N G I N			
		0700	1300	1800	RATA2	KECPATAN RATA RATA	ARAH TERBANYAK	KECPATAN TERBESAR	AR
		11	12	13	14	15	16	17	18
1	1012.0	90	31	71	70	04	240	12	2
2	1011.8	89	55	71	76	04	210	12	2
3	1011.2	91	62	78	80	04	270	10	2
4	1010.2	80	54	77	72	05	270	17	2
5	1010.9	89	57	77	78	05	270	15	2
6	1011.4	89	55	76	77	05	210	15	2
7	1011.8	81	58	78	74	04	260	20	2
8	1012.0	90	52	77	77	04	250	15	2
9	1011.0	87	61	75	77	05	270	15	2
10	1010.5	90	60	73	78	05	260	15	2
11	1011.3	95	62	81	83	04	270	15	2
12	1010.9	95	58	75	81	02	210	10	2
13	1008.9	93	76	83	86	04	240	12	2
14	1007.7	92	64	90	85	03	180	12	11
15	1009.4	95	72	81	86	03	210	15	11
16	1009.8	95	69	77	84	02	250	10	2
17	1008.2	93	81	93	90	03	260	12	2
18	1008.4	95	77	84	88	03	140	10	2
19	1010.1	93	59	77	81	04	240	15	2
20	1011.4	91	52	68	75	05	240	15	2
21	1010.8	87	62	71	77	04	270	15	2
22	1010.1	87	58	68	75	04	270	18	2
23	1010.0	91	61	67	77	04	260	15	2
24	1010.1	80	69	73	75	03	270	10	2
25	1010.5	92	72	93	87	02	210	10	3
26	1010.6	93	64	93	86	02	260	10	2
27	1010.2	93	66	92	86	02	100	20	1
28	1011.0	95	73	87	87	02	250	10	2
29	1010.1	93	64	87	84	02	210	10	2
30	1010.5	92	80	92	89	03	240	12	2
31	1009.0	95	60	73	80	02	230	10	2
Jumlah	31321.8	2811	1944	2457	2501	109		402	
RATA2	1010.3	90	62	79	80	03	270	12	2

CATATAN : Kolom 4 dan 14 $2 \times (0700 + 1300 + 1800)$

Kolom 8

Rata-rata dan B jam

Pengamat,


SUGIYANTO
SERKA NRP 509681

JL
R/

TENTARA NASIONAL INDONESIA - ANGKATAN UDARA
JAWATAN NAVIGASI UDARA
BAGIAN METEOROLOGI

DATA KLIMATOLOGI

BULAN: ~~November~~ TH.: 2000

Garis Lintang : 07° 47' LS

Garis Bujur : 110° 26' BT

STASION : Adisutjipto

Tinggi diatas permukaan laut :

TANGGAL	TEMPERATUR °C						CURAH HUJAN (mm) DITAKAR JAM 0000Z	PENYINARAN MATAHARI % 0800 - 1600 W. S.	PERISTIWA CUACA KHUSUS
	0700 W.S.	1300 W.S.	1800 W.S.	RA-TA?	MAX.	MIN.			
1	2	3	4	5	6	7	8	9	10
1	25.8	30.2	27.6	27.4	30.6	25.4	-		29
2	25.8	28.6	25.6	26.5	30.0	25.4	-		21
3	24.2	30.4	26.6	26.4	30.4	23.8	06.7		21
4	24.8	29.6	27.0	26.6	29.6	24.2	-		60
5	23.6	27.4	25.0	24.9	27.8	23.0	05.2		29
6	23.8	28.4	25.6	25.4	28.4	23.8	-		15
7	25.0	30.2	27.0	26.8	30.4	24.4	-		05
8	24.8	30.6	27.2	26.9	30.6	24.8	-		45
9	24.8	27.8	26.4	26.0	28.8	25.0	14.4		95
10	24.4	30.0	27.4	26.6	30.4	24.2	03.1		05
11	25.4	28.0	24.6	25.9	28.0	23.5	-		95
12	24.0	25.4	25.0	24.6	26.0	24.0	11.2		61
13	24.2	29.6	26.8	26.2	29.8	23.4	13.4		05
14	24.8	31.6	27.0	27.1	31.6	23.3	-		60
15	25.4	28.2	27.0	26.5	29.2	24.8	02.1		05
16	24.6	26.6	26.0	25.5	28.6	24.2	-		95
17	25.0	30.8	27.8	27.2	30.8	24.2	06.8		60
18	26.2	32.0	28.0	28.1	32.2	25.0	09.6		05
19	26.4	28.0	25.6	26.6	28.8	24.6	-		60
20	24.2	24.4	26.6	26.1	29.4	24.2	05.8		45
21	23.4	27.0	26.2	25.0	27.6	22.9	25.0		15
22	24.4	29.2	26.8	26.2	30.2	24.0	-		61
23	23.6	29.8	26.2	25.8	30.2	22.6	39.2		21
24	25.8	27.8	24.4	26.0	31.4	23.6	04.2		95
25	25.4	33.4	26.8	27.7	33.8	24.0	39.9		15
26	25.8	28.0	24.4	26.0	30.4	24.4	-		45
27	25.2	30.4	25.6	26.6	30.4	24.2	22.3		91
28	25.0	24.6	25.8	25.1	29.2	24.4	07.8		95
29	24.8	30.0	26.4	26.5	30.8	23.6	20.0		61
30	24.0	26.0	26.0	25.0	29.2	23.8	08.7		61
31									
JUMLAH	7446	8690	7884	7872	8946	7227	240.0		
RATA2	24.8	29.0	26.3	26.2	29.8	24.1	08.0		

TANGGAL	TEKANAN UDARA DALAM mmHg	KELEMBABAN NISBI				A N G I N				A R A H S L S B S G I
	0000Z	0700 W.S.	1300 W.S.	1800 W.S.	RATA ²	KECEPATAN RATA ²	ARAH- TERBA- NYAK	KECEPATAN TERBESAR	A R A H	
	11	12	13	14	15	16	17	18	19	
1	1009.3	90	71	80	83	02	340	08	340	
2	1010.0	92	19	92	88	02	270	00	260	GGAI
3	1010.6	95	67	86	86	02	230	10	180	
4	1012.1	92	76	83	85	04	260	12	210	
5	1011.0	93	83	90	90	03	240	12	240	1
6	1009.8	95	73	81	80	04	210	10	250	2
7	1010.1	90	70	83	83	02	200	08	250	3
8	1009.7	89	71	83	83	03	210	10	210	4
9	1008.8	95	83	90	91	02	240	10	240	5
10	1010.1	95	74	84	87	04	240	12	260	6
11	1009.7	92	70	93	89	04	230	12	240	7
12	1008.0	95	93	92	94	01	210	06	270	8
13	1008.2	95	76	83	87	04	260	12	210	9
14	1008.4	93	60	81	84	04	210	12	300	10
15	1007.0	93	82	84	85	03	230	12	230	11
16	1007.8	93	90	90	93	02	270	15	270	12
17	1008.0	95	74	81	86	03	220	10	240	13
18	1007.3	90	77	78	82	04	180	12	280	14
19	1008.2	84	78	90	84	03	210	10	270	15
20	1008.0	95	70	82	86	03	210	12	240	16
21	1007.8	97	84	89	92	02	240	00	240	17
22	1008.5	95	74	82	86	03	230	12	230	18
23	1009.0	97	74	90	90	02	230	10	230	19
24	1009.4	90	83	93	89	02	230	08	240	20
25	1007.3	92	54	84	82	03	080	12	310	21
26	1007.2	87	80	95	87	04	090	12	090	22
27	1008.2	90	77	89	87	02	120	10	110	23
28	1008.0	93	93	92	93	01	100	08	200	24
29	1008.6	90	70	87	84	06	270	15	300	25
30	1009.4	97	89	80	91	06	270	20	270	26
31										27
JUMLAH	30262.1	2779	2305	2598	2594	96		343		28
RATA ²	1008.7	93	77	87	86	03	270	11	270	29

CATATAN: Kolom 5 dan 15 = $\frac{2 \times 0700 + 1300 + 1800}{4}$
= RATA² dari 8 jam.

PENGAMAT

[Signature]

SUGIYANTO

(SERKAS WRP 509681)

DEPARTEMEN PERHUBUNGAN
BADAN METEOROLOGI DAN GEOFISIKA
JL. A. R. HAKIM No. 3 - JAKARTA

ARIS LINTANG : 07° 47' LS
ARIS BUJUR : 110° 26' BT

DATA-DATA KLIMATOLOGI

BULAN: Desember 2000

TINGGI DI ATAS PERMUKAAN LAUT: 350 Feet

STASIUN: Adisutjipto

HARI BULAN	TEMPERATURE °C						CURAH HUJAN (mm)	PENYINARAN MATAHARI (%)	PERISTIWA CUACA KHUSUS
	0700	1300	1800	RATA2	MAX	MIN	DITAKAR JAM 07.00	08.00 - 16.00	
	1	2	3	4	5	6	7	8	
1	23.6	24.8	23.2	23.8	26.0	23.2	10.0		61
2	24.0	29.4	25.8	25.8	29.4	23.0	09.7		05
3	24.4	30.0	26.0	26.2	30.0	21.0	-		05
4	23.6	29.2	26.2	25.7	29.6	22.6	-		05
5	23.2	30.2	26.0	25.7	30.2	21.8	-		05
6	25.0	30.2	26.2	26.6	30.4	23.2	-		05
7	25.0	30.4	26.6	26.8	30.4	23.8	-		05
8	23.6	31.2	26.8	26.3	31.2	23.6	-		05
9	25.0	29.6	27.0	26.7	30.0	24.4	-		05
10	25.4	28.4	25.8	26.3	29.6	25.0	-		60
11	24.6	30.4	24.6	26.1	30.6	24.4	02.5		61
12	24.2	30.2	25.8	26.1	31.2	23.6	56.6		95
13	23.6	28.6	25.4	25.3	29.0	23.2	53.9		61
14	24.4	29.4	26.2	26.1	29.4	23.6	03.3		60
15	24.4	30.8	27.6	26.8	30.8	24.0	00.9		05
16	24.4	29.0	26.4	26.1	29.2	24.4	03.4		61
17	24.4	28.2	27.0	26.0	29.0	24.2	01.6		15
18	25.0	29.2	27.0	26.5	30.6	24.0	-		05
19	24.4	30.2	28.0	26.8	30.4	24.0	-		05
20	24.6	29.8	27.6	26.7	30.2	23.8	-		05
21	25.0	28.4	27.6	26.5	28.8	24.4	-		05
22	25.6	29.8	27.8	27.2	29.8	25.0	-		05
23	24.8	29.4	27.4	26.6	29.4	23.6	04.6		05
24	24.0	30.8	28.0	26.7	31.2	23.0	-		05
25	25.2	31.2	28.0	27.4	31.2	24.0	-		05
26	25.2	31.2	28.8	27.6	31.8	24.4	-		05
27	25.4	29.2	28.4	27.1	30.6	25.0	00.6		60
28	24.4	28.2	28.2	26.3	29.0	24.8	14.4		61
29	24.8	30.4	28.4	27.1	31.4	24.4	21.0		21
30	25.4	30.2	28.4	27.4	30.8	24.8	-		05
31	24.0	30.8	28.0	26.7	30.8	23.6	-		05
JUMLAH	7606	9188	8342	8190	9320	7378	182.5		
RATA2	24.5	29.6	26.9	26.4	30.1	23.8	05.9		

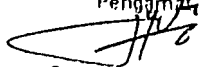
TANGGAL	TEKANAN UDARA DLM mb	LEMBAB NISBI DALAM %				A N G I N				
		0700	1300	1800	RATA2	KECEPATAN RATA-RATA	ARAH TERBANYAK	KECEPATAN TERBESAR	ARAH	
		10	11	12	13	14	15	16	17	18
1	1008.6	97	93	93	95	05	300	20	270	
2	1009.4	93	62	76	81	06	270	15	260	
3	1010.8	81	60	79	75	09	280	20	270	
4	1010.0	91	69	80	83	07	270	20	270	
5	1009.4	88	63	79	80	06	250	15	290	
6	1010.0	84	65	76	77	05	270	12	240	
7	1009.6	85	67	81	79	05	270	18	230	
8	1007.8	89	50	75	70	07	270	20	240	
9	1008.1	95	73	84	85	02	240	10	240	
10	1009.3	93	75	92	88	03	240	10	240	
11	1009.6	95	73	92	89	02	260	10	240	
12	1009.8	95	73	90	88	02	250	12	250	
13	1008.9	95	77	92	90	02	240	12	240	
14	1009.0	95	72	84	87	03	240	12	240	
15	1010.2	95	63	80	83	02	240	08	230	
16	1010.8	91	80	77	85	02	240	08	250	
17	1010.4	93	75	81	86	02	270	12	240	
18	1008.2	89	70	73	80	03	240	10	210	
19	1007.4	91	64	73	80	04	240	15	210	
20	1008.6	88	70	74	80	04	240	12	260	
21	1008.5	92	73	75	83	03	240	09	260	
22	1008.4	90	71	74	81	03	220	08	220	
23	1009.0	92	74	74	83	03	270	12	240	
24	1008.9	90	64	77	80	05	240	15	240	
25	1010.1	93	64	76	82	05	260	15	270	
26	1010.1	90	61	75	79	04	240	12	240	
27	1009.8	93	76	78	85	03	250	15	210	
28	1009.2	93	83	76	86	03	270	10	300	
29	1009.2	95	68	75	83	03	240	12	240	
30	1008.9	92	73	73	83	04	230	12	240	
31	1009.4	93	64	71	80	03	220	10	220	
JUMLAH	31287.4	2833	2173	2454	2574	121		401		
RATA2	1009.3	91	70	79	83	04	240	13	240	

CATATAN : Kolom 4 dan 14 $2 \times 0700 + 1300 + 1800$

4

Kolom 8

Rata-rata dari 8 jam

Pengantar

SUGIYANTO
 SERKA NRP 509681

(.....)

PEMERIKSAAN HUJAN
TAHUN 2000...

DAFTAR TURUNAN
UNTUK DIKIRIM

STASIUN HUJAN
No. 50. g.....

Tempat pemeriksaan . Lanud . Adisutjipto Tinggi diatas muka laut . 350 . Feet meter

Kecamatan . Depok Kabupaten Sleman

Letaknya tempat pemeriksaan 8 km. sebelah Timur dari Kantor

*Camat . Depok . Sleman . Yogyakarta

HUJAN DALAM MILIMETER

Tanggal menakar	Jan.	Febr	Maret	April	Mei	Juni	Juli	Agust.	Sept.	Okt.	Nop.	Des.
1	16.0	02.7	02.0	-	08.4	-	-	-	06.0	-	-	10.0
2	01.6	51.4	05.7	34.0	02.6	-	-	-	-	-	-	09.7
3	35.4	11.6	06.0	30.2	-	04.6	-	-	-	-	06.7	-
4	19.5	81.8	02.7	15.2	-	36.1	-	-	-	-	-	-
5	13.4	65.6	09.9	-	-	02.4	-	-	-	-	05.2	-
6	00.4	02.0	07.0	-	22.8	02.0	-	-	-	-	-	-
7	50.8	09.5	00.2	07.0	-	54.7	-	-	-	-	-	-
8	01.2	24.3	00.2	09.6	-	-	-	-	-	-	-	-
9	-	02.6	04.0	06.7	-	-	-	-	-	-	14.4	-
10	-	-	15.4	02.6	-	-	-	-	-	-	03.7	-
11	08.8	49.0	-	12.5	-	-	-	-	-	01.6	-	02.5
12	-	04.1	01.2	-	-	-	-	-	-	00.6	11.2	56.6
13	04.1	-	08.2	-	-	-	-	-	-	-	13.4	53.9
14	-	-	63.0	15.7	-	-	-	-	-	01.4	-	03.3
15	-	-	-	00.6	03.0	-	-	-	-	03.3	02.1	00.9
16	40.1	03.2	-	05.2	07.8	-	-	-	-	08.2	-	03.4
17	35.5	-	03.4	69.1	-	-	-	-	-	09.5	06.8	01.6
18	-	-	-	03.6	-	-	-	-	01.0	04.4	09.6	-
19	35.0	01.0	-	16.6	02.0	-	-	-	-	01.2	-	-
20	-	01.0	01.0	-	15.8	-	-	-	-	-	05.8	-
21	39.5	35.1	60.5	02.5	-	-	-	-	-	-	25.0	-
22	01.2	04.4	02.4	00.9	-	-	-	-	-	-	-	-
23	03.4	04.0	-	01.2	-	-	-	-	-	01.0	39.2	04.6
24	-	08.5	05.6	02.0	09.0	-	-	-	-	00.6	04.2	-
25	01.6	50.3	24.2	23.2	-	-	-	-	-	24.8	39.9	-
26	06.9	-	07.6	-	-	-	-	-	-	06.6	-	-
27	02.7	28.0	11.5	01.0	-	-	-	09.8	-	17.6	22.3	00.6
28	06.4	-	03.1	02.0	-	-	-	00.2	-	30.3	01.8	14.4
29	-	-	13.4	09.6	-	-	-	-	-	-	20.0	21.0
30	00.4	-	13.4	-	-	-	-	-	-	01.2	08.7	-
31	06.0	-	14.6	-	-	-	-	00.4	-	09.8	-	-
Jumlah	329,9	440,1	291,2	271,0	71,4	99,8	-	10,4	07,0	124,8	240,0	182,5
Banyaknya Hari Hujan	22	20	25	22	8	5	-	3	2	16	19	13

Alamat : Meteorologi
Lanud Adisutjipto
Yogyakarta

Pemeriksaan
[Signature]
SUGIYANTO
SERKA NRP 509681

Traffic Equivalence Factors, Flexible Pavement

Single Axles, $p_t = 2.0$

Axle Load		Structural Number, SN					
Kips	kN	1	2	3	4	5	6
2	8.9	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
4	17.5	0.002	0.003	0.002	0.002	0.002	0.002
6	26.7	0.01	0.01	0.01	0.01	0.01	0.01
8	35.6	0.03	0.04	0.04	0.03	0.03	0.03
10	44.5	0.08	0.08	0.09	0.08	0.08	0.08
12	53.4	0.16	0.18	0.19	0.18	0.17	0.17
14	62.3	0.32	0.34	0.35	0.35	0.34	0.33
16	71.2	0.59	0.60	0.61	0.61	0.60	0.60
18	80.1	1.00	1.00	1.00	1.00	1.00	1.00
20	89.1	1.61	1.59	1.56	1.55	1.57	1.60
22	97.9	2.49	2.44	2.35	2.31	2.35	2.41
24	106.8	3.71	3.62	3.43	3.33	3.40	3.51
26	115.7	5.36	5.21	4.88	4.68	4.77	4.95
28	124.6	7.54	7.31	6.78	6.42	6.52	6.83
30	133.4	10.38	10.03	9.24	8.65	8.73	9.17
32	142.3	14.00	13.51	12.37	11.46	11.48	12.07
34	151.2	18.55	17.87	16.30	14.97	14.87	15.63
36	160.1	24.20	23.30	21.16	19.28	19.02	19.93
38	169.0	31.14	29.95	27.12	24.55	24.03	25.10
40	177.9	39.57	38.02	34.34	30.92	30.04	31.25

Traffic Equivalence Factors, Flexible Pavement

Tandem Axles, $p_t = 2.0$

Axle Load		Structural Number, SN					
Kips	kN	1	2	3	4	5	6
10	44.5	0.01	0.01	0.01	0.01	0.01	0.01
12	53.4	0.01	0.02	0.02	0.01	0.01	0.01
14	62.3	0.02	0.03	0.03	0.03	0.02	0.02
16	71.2	0.04	0.05	0.05	0.05	0.04	0.04
18	80.1	0.07	0.08	0.08	0.08	0.07	0.07
20	89.0	0.10	0.12	0.12	0.12	0.11	0.10
22	97.9	0.16	0.17	0.18	0.17	0.16	0.16
24	106.8	0.23	0.24	0.26	0.25	0.24	0.23
26	115.7	0.32	0.34	0.36	0.35	0.34	0.33
28	124.6	0.45	0.46	0.49	0.48	0.47	0.46
30	133.4	0.61	0.62	0.65	0.64	0.63	0.62
32	142.3	0.81	0.82	0.84	0.84	0.83	0.82
34	151.2	1.06	1.07	1.08	1.08	1.08	1.07
36	160.1	1.38	1.38	1.38	1.38	1.38	1.38
38	169.0	1.76	1.75	1.73	1.72	1.73	1.74
40	177.9	2.22	2.19	2.15	2.13	2.16	2.18
42	186.8	2.77	2.73	2.64	2.62	2.66	2.70
44	195.7	3.42	3.36	3.23	3.18	3.24	3.31
46	204.6	4.20	4.11	3.92	3.83	3.91	4.02
48	213.5	5.10	4.98	4.72	4.58	4.68	4.83

Traffic Equivalence Factors, Flexible Pavement

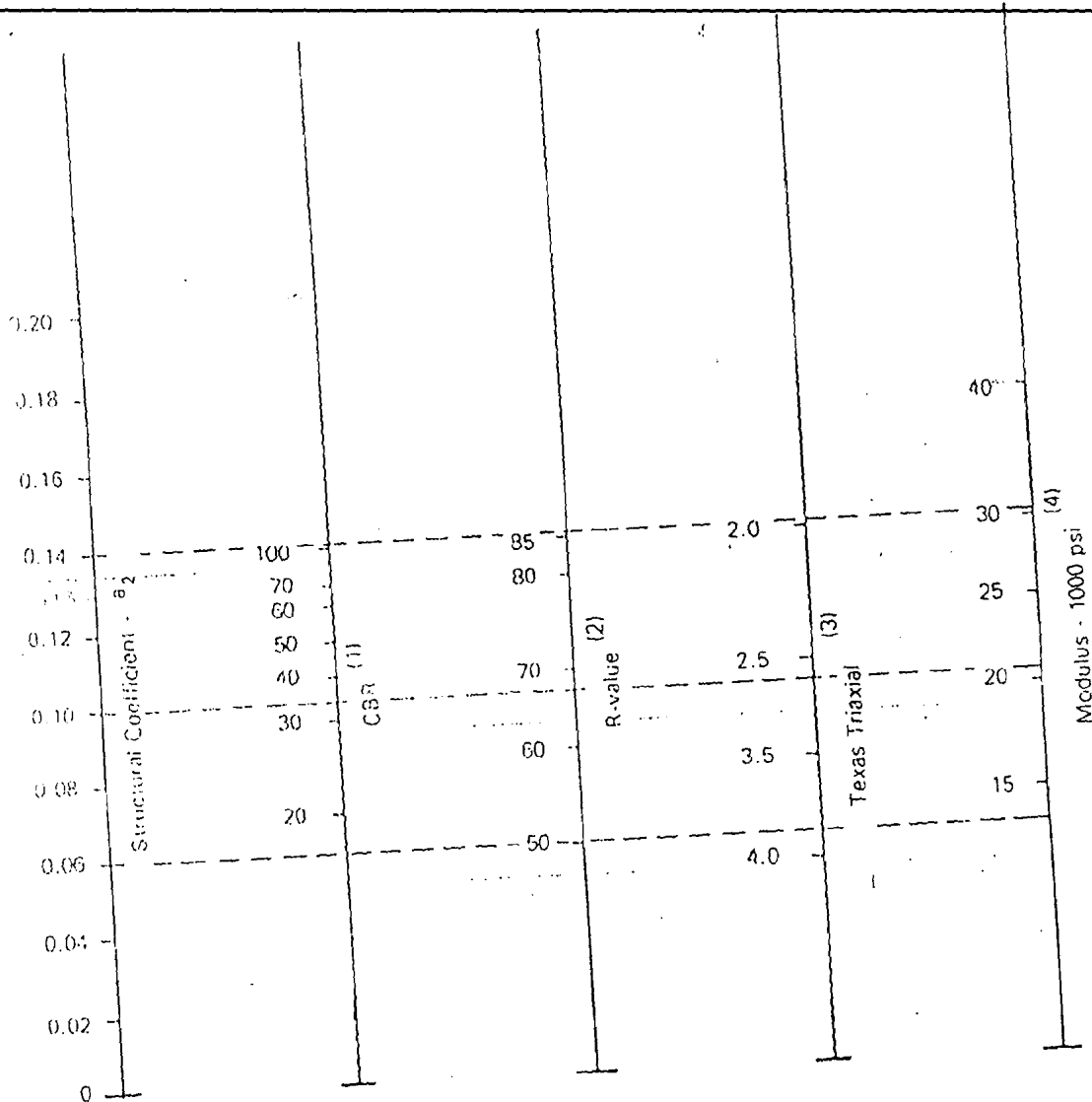
Single Axles, $p_t = 2.5$

Axle Load		Structural Number, SN					
Kips	kN	1	2	3	4	5	6
2	8.9	0.0004	0.0004	0.0003	0.0002	0.0002	0.0002
4	17.8	0.003	0.004	0.004	0.003	0.003	0.002
6	26.7	0.01	0.02	0.02	0.01	0.01	0.01
8	35.6	0.03	0.05	0.05	0.04	0.03	0.03
10	44.5	0.08	0.10	0.12	0.10	0.09	0.08
12	53.4	0.17	0.20	0.23	0.21	0.19	0.18
14	62.3	0.33	0.36	0.40	0.39	0.36	0.34
16	71.2	0.59	0.61	0.65	0.65	0.62	0.61
18	80.1	1.00	1.00	1.00	1.00	1.00	1.00
20	89.0	1.61	1.57	1.49	1.47	1.51	1.55
22	97.9	2.48	2.38	2.17	2.09	2.18	2.30
24	106.8	3.69	3.49	3.09	2.89	3.03	3.27
26	115.7	5.33	4.99	4.31	3.91	4.09	4.48
28	124.6	7.49	6.98	5.90	5.21	5.39	5.98
30	133.4	10.31	9.55	7.94	6.83	6.97	7.79
32	142.3	13.90	12.82	10.52	8.85	8.88	9.95
34	151.2	18.41	16.94	13.74	11.34	11.18	12.51
36	160.1	24.02	22.04	17.73	14.38	13.93	15.50
38	169.0	30.90	28.30	22.61	18.06	17.20	18.98
40	177.9	39.26	35.89	28.51	22.50	21.08	23.04

Traffic Equivalence Factors, Flexible Pavement

Tandem Axles, $p_t = 2.5$

Axle Load		Structural Number, SN					
Kips	kN	1	2	3	4	5	6
10	44.5	0.01	0.01	0.01	0.01	0.01	0.01
12	53.4	0.02	0.02	0.02	0.02	0.01	0.01
14	62.3	0.03	0.04	0.04	0.03	0.03	0.02
16	71.2	0.04	0.07	0.07	0.06	0.05	0.04
18	80.1	0.07	0.10	0.11	0.09	0.08	0.07
20	89.0	0.11	0.14	0.16	0.14	0.12	0.11
22	97.9	0.16	0.20	0.23	0.21	0.18	0.17
24	106.8	0.23	0.27	0.31	0.29	0.26	0.24
26	115.7	0.33	0.37	0.42	0.40	0.36	0.34
28	124.6	0.45	0.49	0.55	0.53	0.50	0.47
30	133.4	0.61	0.65	0.70	0.70	0.66	0.63
32	142.3	0.81	0.84	0.89	0.89	0.86	0.83
34	151.2	1.06	1.08	1.11	1.11	1.09	1.08
36	160.1	1.38	1.38	1.38	1.38	1.38	1.38
38	169.0	1.75	1.73	1.69	1.68	1.70	1.73
40	177.9	2.21	2.16	2.06	2.03	2.08	2.14
42	186.8	2.76	2.67	2.49	2.43	2.51	2.61
44	195.7	3.41	3.27	2.99	2.88	3.00	3.16
46	204.6	4.18	3.98	3.58	3.40	3.55	3.79
48	213.5	5.08	4.80	4.25	3.98	4.17	4.49



- (1) Scale derived by averaging correlations obtained from Illinois.
- (2) Scale derived by averaging correlations obtained from California, New Mexico and Wyoming.
- (3) Scale derived by averaging correlations obtained from Texas.
- (4) Scale derived on NCHRP project (3).

Variation in granular base layer coefficient (a_2) with various base strength parameters

** PCSTABL5M **

by
Purdue University--Slope Stability Analysis--
Simplified Janbu, Simplified Bishop
or Spencer's Method of Slices

Run Date: 12/2/00
 Time of Run: 3:45 pm
 Run By: hanindya
 Input Data Filename: sL24.in
 Output Filename: sL24.out
 Plotted Output Filename: sL24.plt

PROBLEM DESCRIPTION sL24.IN (Spencer Method)

BOUNDARY COORDINATES
6 Top Boundaries
7 Total Boundaries

Boundary No.	X-Left (ft)	Y-Left (ft)	X-Right (ft)	Y-Right (ft)	Soil Type Below Bnd
1	.00	50.00	12.00	51.00	1
2	12.00	51.00	27.00	61.00	1
3	27.00	61.00	39.00	69.00	1
4	39.00	69.00	54.00	79.00	2
5	54.00	79.00	69.00	89.00	2
6	69.00	89.00	100.00	94.00	2
7	39.00	69.00	85.00	72.00	1

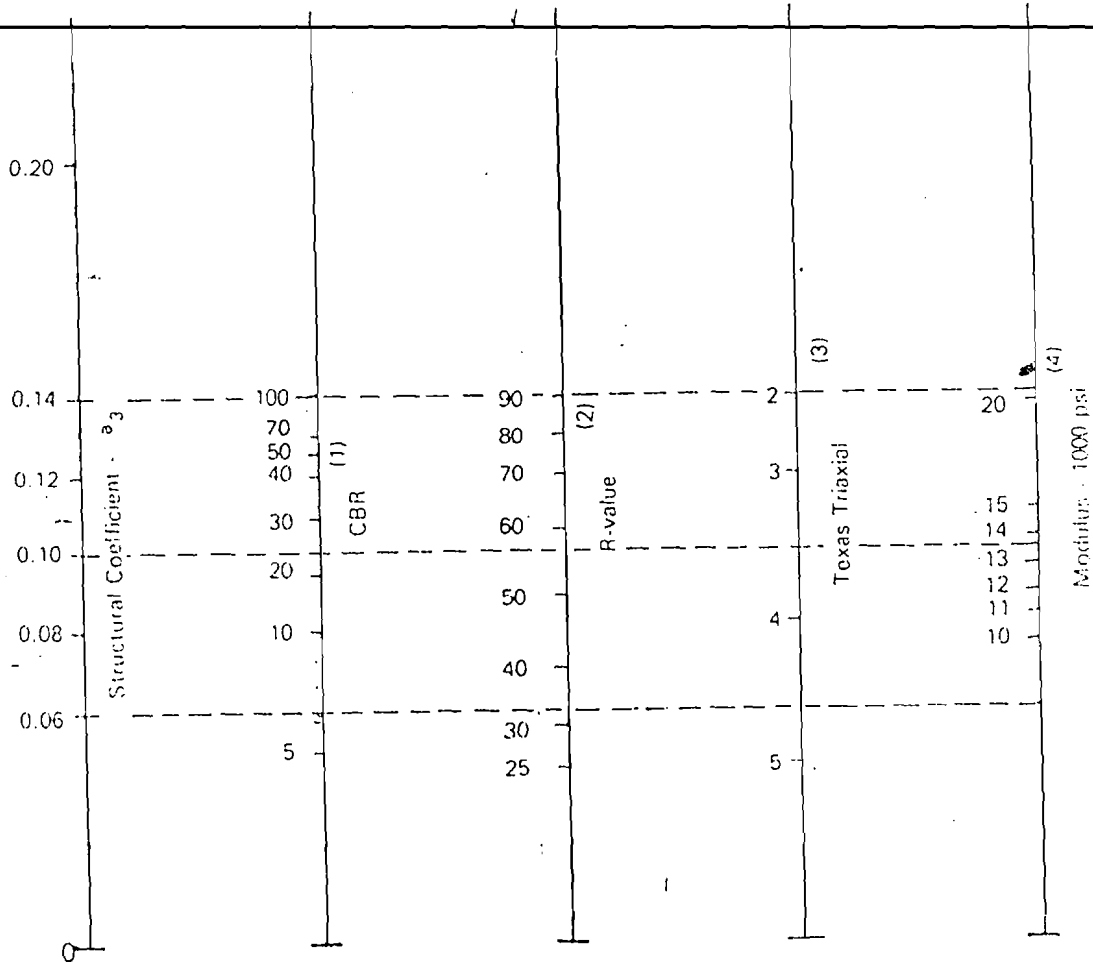
ISOTROPIC SOIL PARAMETERS
2 Type(s) of Soil

Soil Type No.	Total Unit Wt. (pcf)	Saturated Unit Wt. (pcf)	Cohesion Intercept (psf)	Friction Angle (deg)	Pore Pressure Param.	Pressure Constant (psf)	Piez. Surface No.
1	115.0	116.0	150.0	30.0	.00	.0	1
2	115.0	115.0	100.0	35.0	.00	.0	1

1 PIEZOMETRIC SURFACE(S) HAVE BEEN SPECIFIED

Unit Weight of Water = 62.40

Piezometric Surface Point No.	X-Water (ft)	Y-Water (ft)
1	.00	60.00
2	27.00	61.00
3	54.00	79.00
4	73.00	82.00
5	80.00	83.00
6	98.00	85.00



- (1) Scale derived from correlations from Illinois.
- (2) Scale derived from correlations obtained from The Asphalt Institute, California, New Mexico and Wyoming.
- (3) Scale derived from correlations obtained from Texas.
- (4) Scale derived on NCHRP project (3).

Variation in granular subbase layer coefficient (a_3) with various Subbase strength parameters