

CENTRAL DATABASE

TRAFFIC REPORT

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Traffic Post	Link	AADT		PCU		Car		Bus		LTr		HTr		Motor Cycle	Car	Uc11		Bus	Truck 2-axl	Truck 3-axl	NonMot Tral
		MDT	Total	MDT	Total	1	2	1	2	1	2	1	2								
C0641	064 1	1,035	1,456	1,433	1,554	96								400	151	511	327		45		21
C0642	064 2	1,145	1,578	1,586	1,740	95								437	183	547	363		52		44
C065	065	2,344	3,640	3,381	3,750	97								1,238	262	1,075	947	10	54		60
C0661	066 1	3,528	4,357	5,105	5,312	94	2	3						851	865	1,218	1,272	83	109	40	
C0662	066 2	3,717	4,603	5,318	5,541	93	3	3						891	936	1,316	1,212	95	107	44	
B067	067	9,628	14,659	12,866	14,305	96	2	2						4,789	3,462	3,118	2,700	172	137	36	242
C0681	068 1	4,542	7,751	5,735	6,672	98	1	1						3,103	1,167	2,747	1,016	53	44	14	112
C0682	068 2	4,971	6,495	6,311	7,287	97	2	1						3,397	1,260	2,455	1,104	86	51	15	127
C067	069	6,134	7,945	8,532	9,144	94	3	2						1,665	1,755	2,118	1,914	159	151	32	146
C070	070	4,003	7,577	5,205	4,218	99								3,435	1,045	1,781	1,152		18	10	154
B071	071	6,507	6,789	7,380	10,011	94	2	3						2,202	1,943	1,921	2,240	151	195	57	80
B072	072	9,637	14,710	13,817	15,296	93	3	3						4,792	3,081	2,760	3,061	246	416	53	281
C073	073	2,457	3,767	3,105	3,551	100								1,181	1,380	387	656				151
B074	074	2,537	13,384	13,781	14,162	83	2	14						3,671	3,701	2,424	1,814	777	1,287	80	76
B075	075	9,932	19,425	13,344	16,795	87	5	4						8,056	4,328	2,817	1,736	507	375	176	1,432
A075K1	075 K1	11,970	30,637	17,651	22,744	100								14,065	8,690	3,656	2,581	26	26		1,577
B075K2	075 K2	8,213	22,285	9,301	15,576	97	1							10,515	4,818	2,475	687	59	36	2	3,697
B075K3	075 K3	10,372	18,666	14,089	17,067	87	5	6						7,354	2,806	4,584	1,685	487	448	165	1,140
C0761	076 1	4,523	10,349	5,557	6,185	97								4,230	1,375	2,116	977	15	14	5	1,376
C0762	076 2	4,104	9,931	5,067	7,521	92								4,478	1,283	1,875	917	17	13		1,329
C076K1	076 K1	4,374	11,438	5,914	8,368	97	1	2						6,144	1,424	1,475	1,306	64	44	5	918
C076K2	076 K2	1,141	4,212	1,548	3,694	99								2,034	577	161	370	3	2		1,037
C077	077	4,432	10,787	6,775	9,698	92	17	10						4,262	926	1,604	454	758	457	33	1,592
C0781	078 1	3,727	5,037	4,567	4,917	92	6	1						1,280	1,645	1,405	376	210	56	32	30
C0782	078 2	4,150	5,678	5,135	5,564	92	6	1						1,482	1,799	1,581	477	240	67	44	56
C079	079	6,481	16,794	8,867	10,755	91	5	2						3,234	2,462	2,040	1,450	336	148	105	1,077
C080	080	6,646	9,413	10,496	11,720	81	7	5						2,057	2,409	1,126	1,766	611	297	362	710
A081	081	17,267	28,955	28,224	34,367	74	7	1						6,450	7,343	3,710	2,210	1,340	1,266	2,080	4,528
A081K1	081 K1	21,459	50,071	28,160	33,785	93	5	1						16,770	8,337	7,336	4,217	1,069	351	154	11,642
A081K2	081 K2	13,907	20,108	16,753	17,500	92	6	7						4,668	4,647	7,576	1,735	870	177	60	2,134
A081K3	081 K3	41,190	77,867	57,680	74,077	87	5	4						20,110	20,680	7,704	1,556	1,972	1,552	1,608	11,189
A081K4	081 K4	27,529	55,456	43,329	56,670	82	6	6						15,306	12,578	6,715	4,871	1,817	1,224	1,812	9,149
A081K5	081 K5	5,507	10,491	11,210	14,357	92	7	21						2,447	1,174	451	1,231	514	1,147	990	2,535
A081K6	081 K6	13,656	20,537	27,438	32,704	96	10	17						4,267	2,703	988	3,758	1,375	2,645	2,877	2,399
C0821	082 1	5,084	11,373	7,560	10,780	92	10	10						4,146	1,661	1,574	757	485	559	67	2,163
A082K1	082 K1	43,303	92,473	49,977	69,314	96	2	1						38,713	31,633	7,230	3,343	775	647	276	9,657
A082K2	082 K2	46,357	111,049	53,255	84,173	97	2							45,011	31,911	8,494	4,343	794	503	307	19,686
A082K3	082 K3	38,012	85,327	37,550	57,775	99	1							58,846	29,167	7,524	870	318	99	8	8,464
C083	083	1,761	4,755	2,748	4,400	98	1	1						1,782	309	495	977	9	27		1,266
A084	084	12,578	22,151	36,025	37,123	41	18	15						2,843	3,587	4,367	3,181	2,042	2,638	2,813	568
C0851	085 1	4,143	7,657	6,625	7,614	85	4	6						1,767	1,717	961	632	176	748	207	1,147
C0852	085 2	4,313	6,927	6,575	7,927	76	1	2						1,683	1,127	1,038	1,924	25	191	44	931
S0861	086 1	18,666	21,136	34,253	35,777	60	11	13						1,759	3,230	4,334	2,968	2,042	2,456	2,736	534

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Traffic Post	Link	AADT		PCU		Car %	Bus %	LT %	HT %	Motor Cycle	Car	Util 1	Util 2	Bus	Truck 2-axl	Truck 3-axl	Non-Mot Traf		
		MBT	Total	MBT	Total														
C07621	076 21K	JLN. HASANUDIN (SALATIGA)		5,601	13,472	7,632	10,582	97	2	1	6,562	1,897	1,751	1,793	94	64	1	1,309	
C07622	076 22K	JLN. AGHMAD YANI (SALATIGA)		3,180	12,734	4,366	8,812	97	1	2	6,810	1,537	506	1,045	31	56	5	2,744	
C077	077	KEPREKAN - SALAMAN		2,875	7,592	4,234	6,811	90	7	3	2,825	869	806	905	211	74	12	1,891	
C0781	078 1	SALAMAN - MARON (KDT)		5,076	10,018	6,955	9,315	91	4	3	3,456	1,969	1,460	1,212	204	137	93	1,486	
C0782	078 2	SALAMAN (KLS) - MARON		5,472	7,748	7,072	7,754	92	5	2	2,126	2,298	1,825	893	299	111	46	150	
C079	079	MARON - PURWOREJO		8,045	12,715	10,472	12,564	93	3	1	3,438	3,513	2,447	1,509	250	224	103	1,232	
C080	080	PURWOREJO - KARANGNONGKO		9,074	13,498	13,059	15,237	87	6	4	2,995	3,651	2,174	2,032	508	454	255	1,429	
A081	081	SEMARANG - DEMAK		19,056	30,026	30,351	36,127	74	7	8	11	6,911	7,808	3,501	2,835	1,353	1,436	2,133	4,049
A08111	081 11K	JLN. YCS SUDARNO (SEMARANG)		13,312	19,170	28,572	31,494	49	10	20	21	3,915	2,026	849	3,887	1,392	2,662	2,796	1,943
A08112	081 12K	JLN. ARTERI UTARA (SEMARANG)		11,719	12,279	26,774	26,907	58	16	19	27	462	775	1,058	2,650	1,865	2,264	3,106	98
A08113	081 13K	JLN. USMAN JAWATIN (SEMARANG)		13,983	13,823	30,767	33,102	64	11	21	24	3,340	2,154	639	3,406	1,503	2,877	3,404	1,500
A08114	081 14K	JLN. RONGGOKARSITO (SEMARANG)		14,909	26,010	31,162	37,509	51	10	18	21	6,342	2,919	920	3,769	1,457	2,775	3,069	4,759
A08115	081 15K	JLN. PENGUMPON (SEMARANG)		33,637	58,675	47,940	59,952	82	6	6	6	17,359	11,562	11,701	4,423	1,862	2,183	1,906	7,679
A08116	081 16K	JLN. KALIGANE RAYA (SEMARANG)		41,940	80,513	67,830	88,663	74	10	7	9	23,786	15,958	7,334	7,732	4,239	3,110	3,567	14,887
C082	082	SEMARANG - GOOGING		4,527	10,112	6,742	9,534	78	9	11	2	3,724	1,523	1,336	655	421	497	92	1,861
A08211	082 11K	JLN. BRIGJEN HATINGSO (SEMARANG)		38,479	95,143	43,559	68,674	96	2	1	1	42,066	27,515	6,829	2,586	627	591	341	14,598
A08212	082 12K	JLN. BRIGJEN SUDIARTO (SEMARANG)		34,504	96,742	39,985	73,583	95	2	2	1	38,287	24,263	5,732	2,952	624	546	387	23,951
C08213	082 13K	TUGU MUDA-SP. LINA-A. YANI - KATWASO (SPK)		41,266	86,073	43,531	59,243	99	1			18,793	31,652	7,612	1,506	345	116	34	6,014
C083	083	DEMAK - GOOGING		2,213	5,475	3,469	5,315	95	1	1	1	1,915	422	583	1,090	33	67	18	1,347
A084	084	DEMAK - TRENGGILI		15,148	19,078	26,715	28,134	67	9	10	14	3,348	4,086	2,998	3,118	1,388	1,505	2,054	582
C0851	085 1	TRENGGILI - MARCOYOSO (SMB)		4,703	7,488	7,379	8,424	95	1	2	2	2,320	1,119	1,073	2,253	59	121	77	465
C0852	085 2	TRENGGILI (PTB) - MARCOYOSO		5,526	12,400	7,771	10,388	96	1	2	1	4,329	1,537	1,866	1,912	34	125	42	1,535
D0861	086 1	TRENGGILI - JATI (SMT)		9,776	12,519	19,143	20,256	60	10	10	20	2,173	2,185	1,170	2,466	990	1,028	1,937	570
D0862	086 2	TRENGGILI (PTB) - JATI		7,080	13,545	14,739	17,444	75	3	20	2	2,146	2,274	2,386	2,136	104	1,775	203	2,119
D087	087	KUDUS - MARCOYOSO		6,878	14,507	10,685	14,710	88	2	9	2	1,793	1,383	2,194	2,460	125	345	171	2,836
A088	088	JATI - KUDUS		19,124	29,506	26,275	10,177	54	1	1	4	4,507	9,582	4,861	1,369	792	1,298	1,023	1,775

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Id	Link	ACT	MO	Yr	Tr	Tr	Tr	Tr	Max	Gr	U1	U2	Sp	Leng	Truck	Truck	Truck	Truck	Truck	Truck	NrM
		ME	Real	ME	Real	1	1	1	Qtd		1	2	Ra	Bu	X A	X B	X A	X B	X C	X D	Trak
002	005 2	MELANG (90) - SUKSES	5,771	9,066	7,815	8,727	66	14	3,200	2,118	1,929	819	700	42	8	5	1				91
002	005 2K	JN. HAYUEN (SUATUN)	4,567	10,222	6,149	8,277	91	5	4,726	2,013	1,059	1,142	15	21	25	17	4				907
002	005 2K	JN. AYOHO DING (SUATUN)	7,740	11,537	3,502	7,968	99	1	5,644	1,501	429	781	5		6	6					2,921
007		NETRON - SUKUN	2,078	6,139	3,177	5,378	16	12	2,483	701	785	657	54	125	15	13	10	2			1,578
011	008 1	SUMAN - MANG BEND	4,591	6,765	5,025	8,925	66	15	1,572	575	1,573	872	87	117	43	26	102	57	12		516
011	008 2	SUMAN 008 - MANG	5,535	9,067	3,735	11,141	69	16	3,513	1,566	909	834	69	181	87	47	124	54	15		523
011	009	MANG - RINGKED	5,535	9,067	3,735	11,141	66	15	3,513	1,566	909	834	69	181	87	47	124	54	15		523
011	000	RUMOND - BRANGKUNING	5,711	9,792	3,102	10,710	79	10	2,454	2,209	49	1,240	227	45	194	132	43	45	74		1,264
011	001	SUMATI - SUKUN	3,765	15,718	16,543	22,094	70	9	3,720	2,961	2,077	2,864	125	71	40	40	53	26	177		2,247
011	001	JN. KARAS SUKUN SUKUNING	3,500	5,097	3,038	3,100	41	9	1,345	471	227	607	100	104	20	48	167	54			816
011	001	JN. KARAS SUKUN SUKUNING	3,801	5,002	3,910	8,962	40	8	1,170	477	305	819	100	145	54	175	171				512
011	001	JN. KARAS SUKUN SUKUNING	2,913	4,517	4,446	7,127	38	9	1,138	812	238	351	248	117	25	44	182	152			426
011	001	JN. KARAS SUKUN SUKUNING	2,815	4,571	6,425	7,364	35	6	1,135	532	111	120	174	348	232	58	138	570			506
011	001	JN. KARAS SUKUN SUKUNING	3,113	4,911	7,349	8,153	34	8	1,177	545	111	377	228	122	215	42	210	642			619
011	001	JN. KARAS SUKUN SUKUNING	21,912	60,340	82,797	64,162	79	15	22,270	13,061	2,222	7,041	2,587	1,936	938	65	1,079	693	622		6,528
011	002	SEWANG - GUDIG	6,103	13,001	3,450	11,697	72	16	3,775	1,585	1,364	1,856	470	512	114	75	21	28	64		2,925
011	002	JN. KARAS SUKUN SUKUNING	38,615	83,685	45,058	60,311	96	2	46,715	25,706	7,194	4,103	670	100	383	216	57	12			3,525
011	002	JN. KARAS SUKUN SUKUNING	45,222	108,501	52,574	72,512	95	2	57,843	30,177	8,054	4,732	776	10	471	112	60	17			5,178
011	002	JN. KARAS SUKUN SUKUNING	25,899	82,220	39,705	54,345	99	2	42,478	29,938	2,510	2,621	461	117	15	12	14				3,824
011	003	DEK-GUDIG	3,715	8,225	5,843	8,718	90	7	2,712	825	912	1,566	217	21	37	25	15	7	15		2,125
011	004	DEK - BONGILI	7,929	10,169	11,797	14,052	65	11	2,564	2,450	1,325	1,064	169	62	43	29	52	138	278		414
011	005 1	BONGILI - MANGKED (90)	5,431	12,283	7,472	10,394	25	3	5,408	1,427	1,722	1,740	126		60	40	21	9	16		1,562
011	005 2	BONGILI (90) - MANGKED	6,574	13,697	10,564	13,917	66	11	4,562	1,604	1,999	2,156	62	47	85	57	14	16	49		2,221
011	006 1	BONGILI - JATI (90)	5,527	7,034	10,783	11,593	60	12	1,718	1,312	546	1,461	150	510	136	217	53	174	278		391
011	006 2	BONGILI (90) - JATI	5,564	7,725	12,150	11,025	61	12	1,728	1,356	578	1,471	146	410	136	217	52	170	304		406
011	007	KOLE - MANGKED	6,817	15,270	5,424	12,707	91	4	8,223	1,922	2,917	1,712	129	54	108	71	42	22	28		1,220

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District	Link	AADT		KCU		Car	Bus	Truck	Motor Cycle	Car	Unit		Small Bus	Large Bus	Truck 2x a)	Truck 2x b)	Truck 3x a)	Truck 3x b)	Truck 3x c)	Motor Cycle		
		MEF	Total	MEF	Total						1	2										
054	054	KAWON - PURWALINGGA	6,991	15,451	11,382	15,420	73	9	18	1	5,809	1,316	2,274	1,525	348	231	721	681	64	30	2,561	
054	054	REMBEL - SELOROMO	759	1,297	1,423	1,576	57	9	34		513	117	140	173	63	2	158	105			25	
054	054	REMBEL - SELOROMO	759	1,297	1,423	1,576	57	9	34		513	117	140	173	62	3	158	105			25	
051	051	REMBEL - WINSEDO	2,652	6,351	5,111	6,022	53	17	24	6	3,524	561	339	514	436	12	372	248	185	6	75	
052	052	KEPIL - KUDURO	494	1,543	984	1,254	51	27	21	1	999	28	100	125	125	11	59	39	7		50	
052	052	KEPIL - KUDURO	494	1,543	978	1,278	51	27	21	1	999	28	106	119	125	11	59	39	7		50	
054	054	MARON - KEPIL	1,257	2,046	2,004	2,831	39	27	36	3	675	96	274	194	272	7	269	178	34	2	110	
054	054	MARON - KEPIL	1,256	2,056	2,026	2,807	39	27	35	3	675	96	276	196	275	16	268	177	31	2	110	
058	058	MELEKI - PRAPATAN	1,258	5,323	5,965	6,531	63	22	14	1	2,015	352	195	266	549	154	289	192	27		49	
058	058	MELEKI - PRAPATAN	1,260	5,120	5,936	6,550	63	21	15	1	2,010	353	192	269	547	154	291	196	26		50	
070	070	TEMANGGUNG - PERINGIN BULU	4,655	9,408	7,013	8,361	87		13		4,539	1,425	1,183	1,421	12		365	245			214	
072	072	INDORAYAT - MARON	2,605	4,822	3,505	4,076	95	1	4		2,114	1,422	470	652	26	2	53	39			43	
075	075	MGEJANG - SALAWAN	7,076	13,713	11,958	14,075	68	15	12	4	6,027	1,870	1,576	1,391	678	375	549	367	189	51	29	615
075	075	JEN. TIRU MGEJANG	10,584	34,513	21,041	27,506	99		1		12,005	15,050	2,569	1,813	46	38	46	31		1	2,924	
075	075	JEN. GADOT SURJO MGEJANG	6,796	14,497	7,269	9,635	98	2			7,113	5,734	657	249	52	56	17	11	3	5	2	588
075	075	JEN. TANJARA MGEJANG	5,464	9,636	7,151	8,475	83	8	1	3	3,783	2,831	1,367	825	249	177	64	43	91	36	19	379
076	076	MGEJANG - SLATIGA	1,350	2,504	1,078	2,173	89	11			2,145	461	433	306	144		1					9
076	076	SLATIGA - MGEJANG	1,294	2,192	1,754	2,034	90	9	1		1,089	487	412	267	100		4	3	1			8
076	076	JEN. HARAUWY SLATIGA	4,211	11,488	5,227	7,759	95	3	2		6,271	2,567	763	724	123	14	32	21	8			1,003
076	076	JEN. A. YAN SLATIGA	2,655	6,554	2,814	4,320	99		1		3,323	1,576	733	215		7	11	7	2			676
077	077	KEROGAN - SALAWAN	2,817	7,543	4,653	6,545	69	9	21	1	4,015	578	416	614	27	218	324	219	15	2		881
077	077	KUMBLEK WISUDA KROJOLUR	1,511	8,142	1,792	4,965	91	6			4,605	927	352	134	16	82						2,026
078	078	SALAWAN - MARON	4,145	5,873	7,060	8,098	59	20	16	5	1,720	1,370	218	847	454	323	409	273	145	41	17	8
078	078	SALAWAN - MARON	4,122	5,853	7,602	8,013	59	20	16	5	1,720	1,370	218	847	481	349	350	260	135	52	17	11
079	079	MARON - BUKUREJO	6,908	12,657	11,435	13,315	66	15	16	3	5,199	2,238	1,196	992	726	345	600	453	124	65	12	250
082	082	BOYANG - GUDUNG	5,958	11,017	10,020	12,884	70	10	12	6	5,550	1,916	1,102	1,126	262	343	428	256	472	1	1	1,469

L A P O R A N

HASIL PENYELIDIKAN TANAH

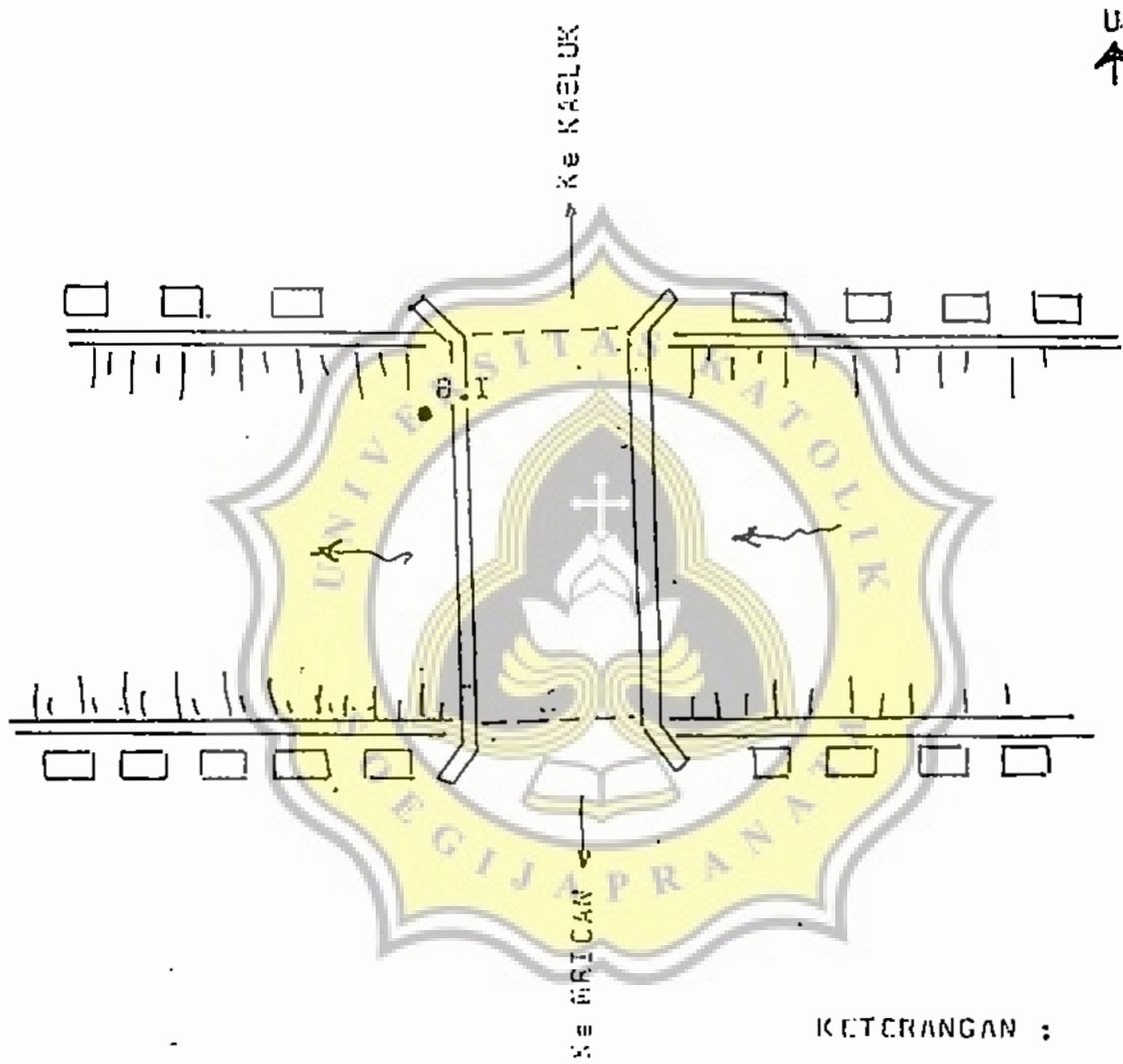
JEMBATAN : GEMPOLSARI
KOTAMADIA DAERAH TINGKAT II
SEMARANG



DIKERJAKAN OLEH :

LABORATORIUM MEKANIKA TANAH
PROGRAM D - III FAK. TEKNIK
UNIVERSITAS DIPONEGORO
JL. TAMAN SINGOSARI 7 - 9 SEMARANG

RIWAYATI
TITIK BORING & TITIK SONDIR
JEMBATAN : GEMPOLSARI
KOTAKABUPATEN DATI II - SEMARANG



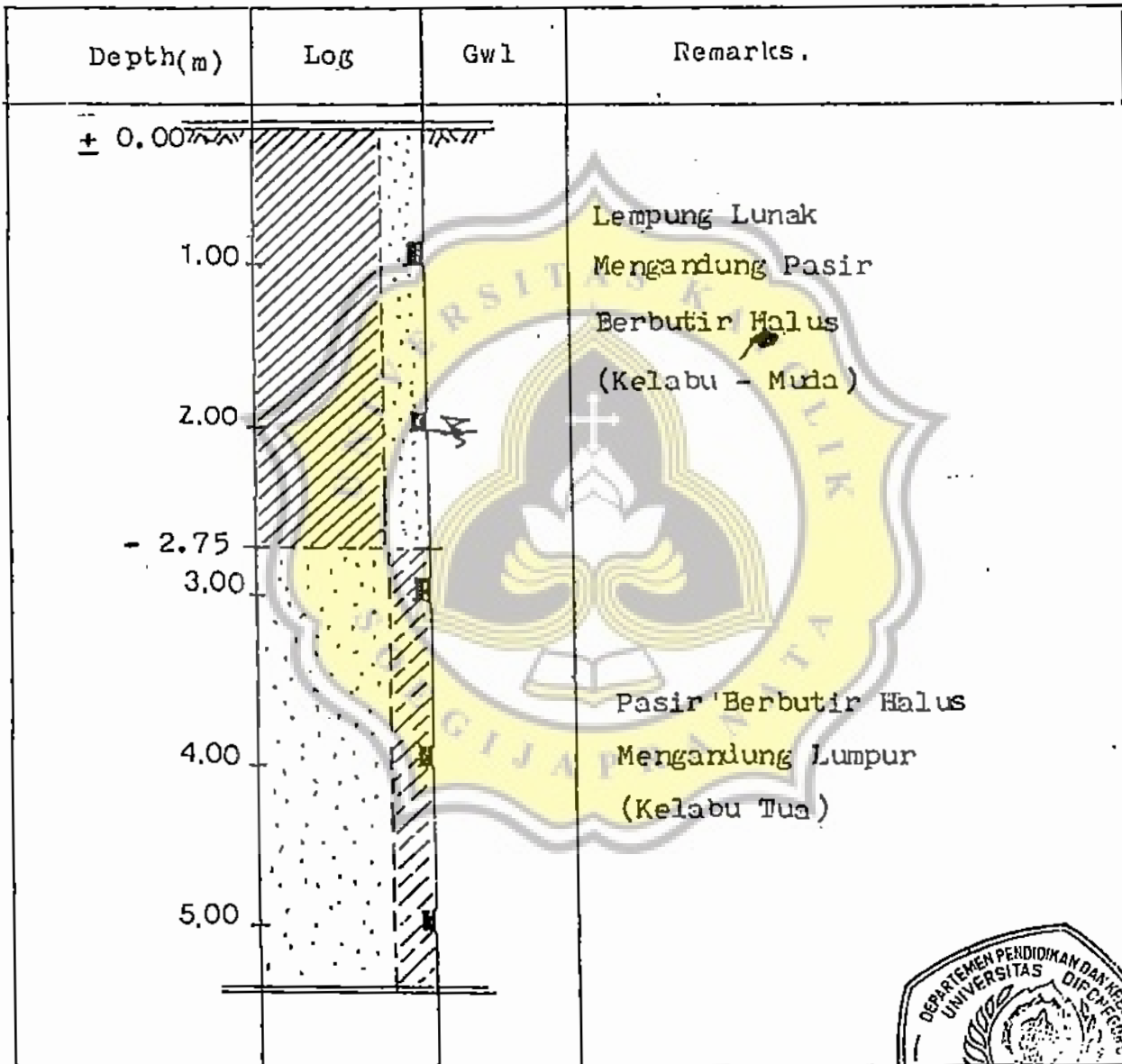
Soil Profile

Project : JEMB. : GEMPOLSARI

Location : KOTAMADIA SEMARANG

Sample code : B. I

Date : 7/IV/1999



CATATAN :

Permukaan Boring Berada : -3.50 Meter
Dari Lantai Abutment



PHYSICAL PROPERTIES

Bore number : B. I
 Project : JEMB. GEMPOLSARI
 Location : KOTAMADIA SEMARANG

Date of test. : 8/IV/1999
 Tested by : WD

1. Depth (m)	1.00	2.00	3.00	4.00	5.00
2. Specific gravity (Gs)	2.133	2.066	2.002	2.066	2.071
3. Cont. Number	7	8	9	10	11
4. Wt. of wet soil + cont. gr.	57.05	63.55	73.63	80.45	71.92
5. Wt. of dry soil + cont. gr.	44.45	50.68	59.12	63.23	57.59
6. Wt. of cont. gr.	18.15	18.20	18.17	18.00	18.23
7. Wt. of water gr.	12.60	12.87	14.51	17.22	14.33
8. Wt. of dry soil gr.	26.30	32.48	40.95	45.23	39.36
9. Water content %	47.90	39.62	35.43	38.07	36.40
10. Volume of void Vv. cm ³	12.60	12.87	14.51	17.22	14.33
11. Volume of solid Vs. cm ³	12.33	15.72	20.45	21.89	19.00
12. Total of volume cm ³	24.93	28.59	34.96	39.11	33.33
13. Wet. density gr/cm ³	1.560	1.586	1.586	1.596	1.610
14. Dry density gr/cm ³ .	1.055	1.136	1.171	1.156	1.180
15. Void ratio e.	1.022	0.818	0.709	0.786	0.754
16. Porosity n. %	50.54	45.01	41.50	44.02	42.99



DIRECT SHEAR TEST

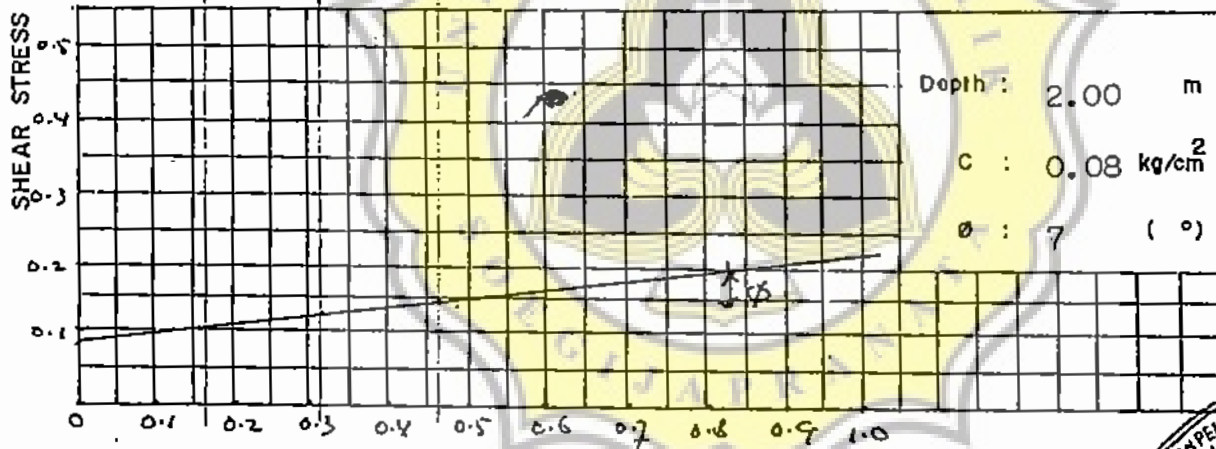
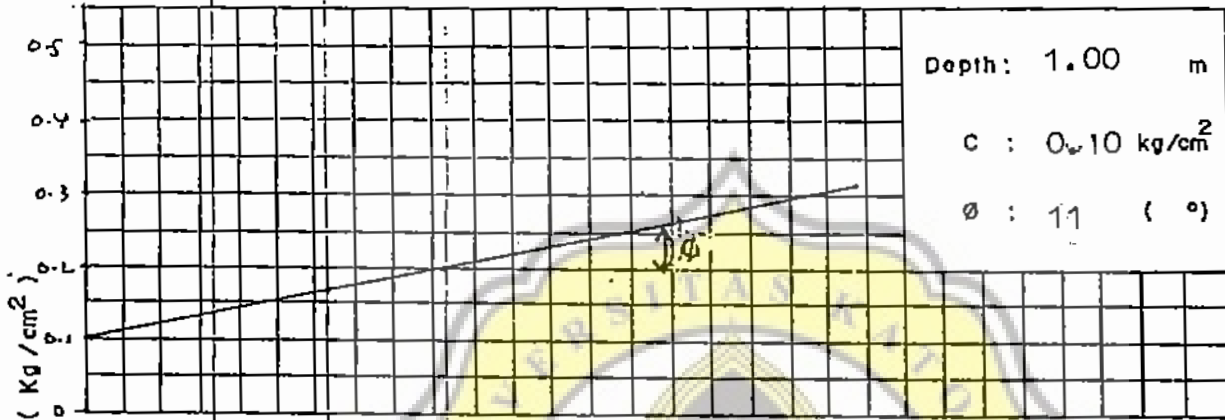
Boring no : B.I

Date of test : 8/IV/1999

Project : JEMBE GEMPOLSARI

Tested by : WD

Location : KOTAMADIA SEMARANG



NORMAL STRESS (Kg/cm²)



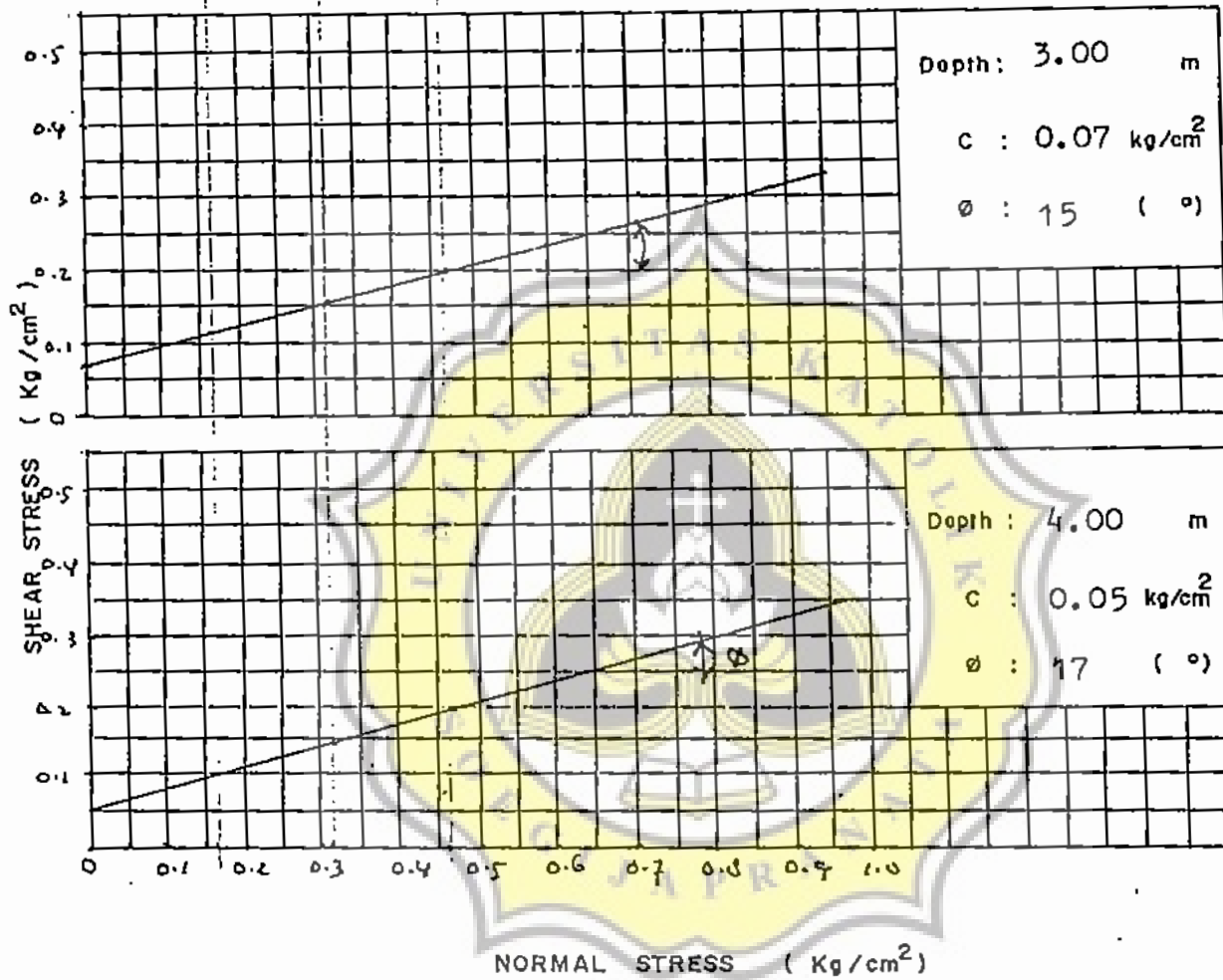
Test No :	1			2		
Normal Stress kg/cm ²	0.169	0.314	0.459	0.169	0.314	0.459
Shear Stress kg/cm ²	0.130	0.160	0.200	0.100	0.120	0.140

DIRECT SHEAR TEST

Boring no : B.I
 Project : JEMB. GEMPOLSARI
 Location : KOTAMADIA SEMARANG.

Date of test : 8/IV/1999

Tested by : WD



Test No :	3			4		
Normal Stress kg/cm ²	0.169	0.314	0.459	0.169	0.314	0.459
Shear Stress kg/cm ²	0.110	0.150	0.200	0.100	0.150	0.200

DIRECT SHEAR TEST

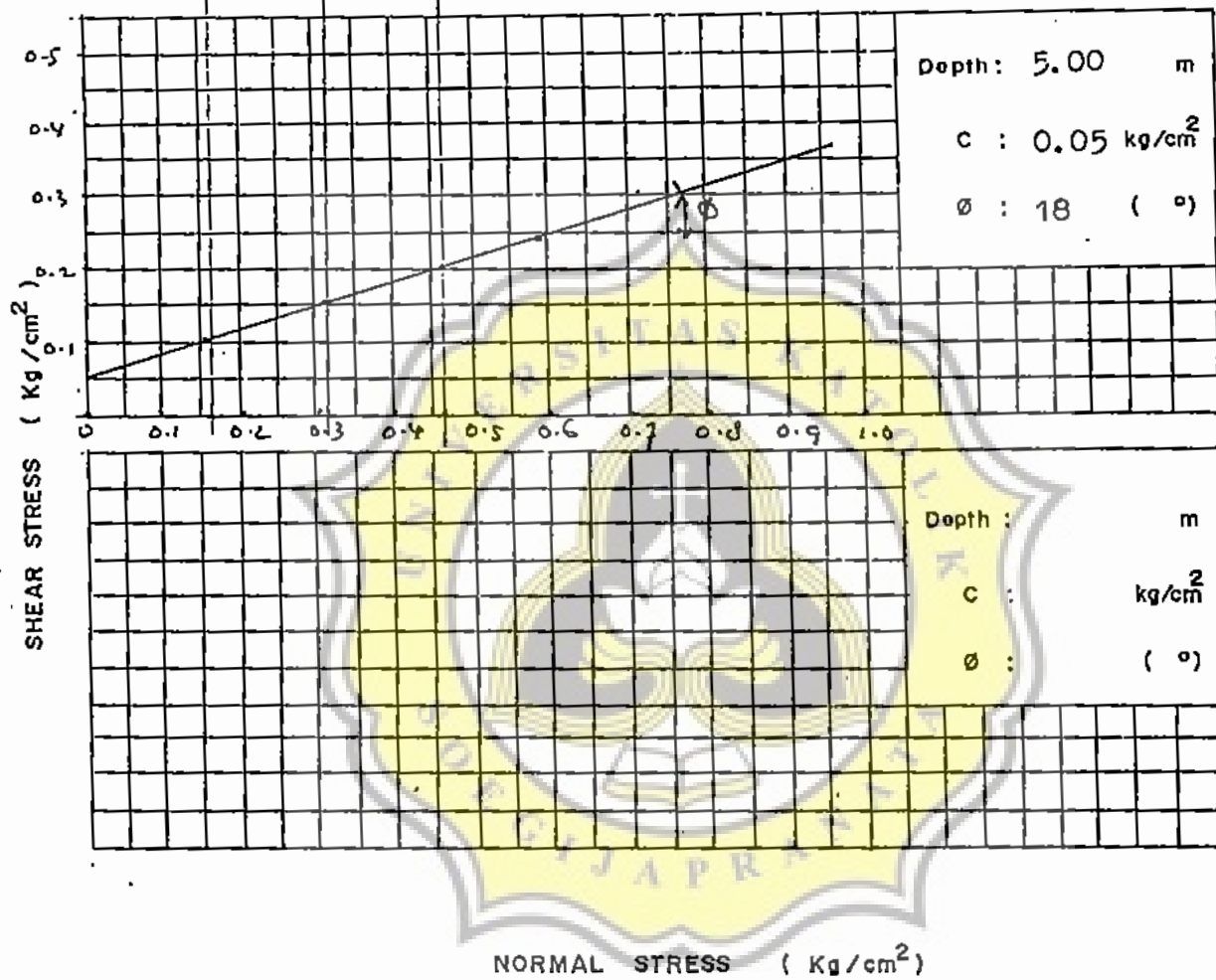
Boring no : B.I

Date of test : 8/IV/1999

Project : JEMB. GEMPOLSARI

Tested by : WD

Location : KOTAMADIA SEMARANG

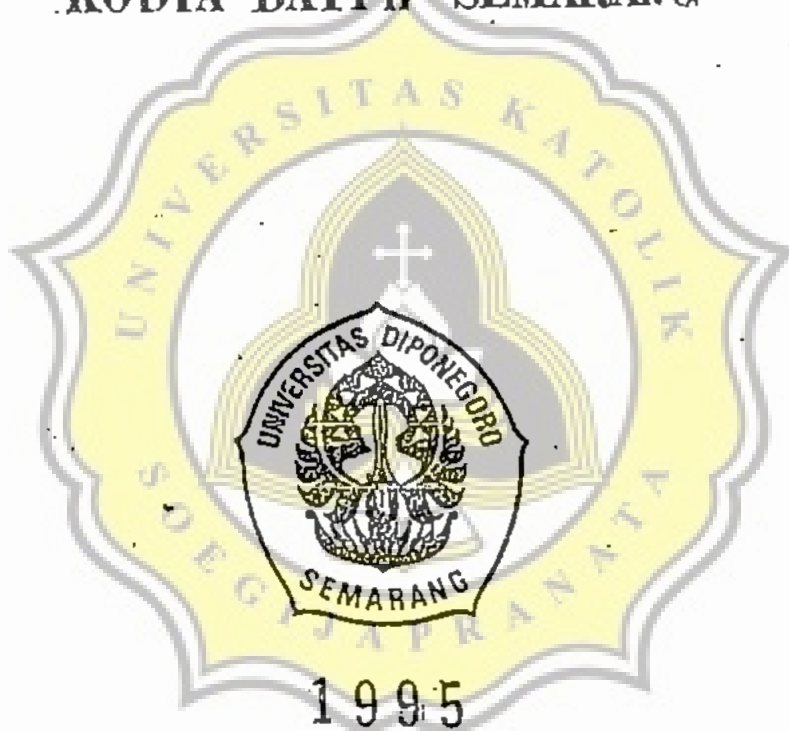


Test No :	5					
Normal Stress	kg/cm ²	0.169	0.314	0.459		
Shear Stress	kg/cm ²	0.100	0.150	0.200		

L A P O R A N

HASIL PENYELIDIKAN TANAH
(SONDER.)

JEMB . GEMPOLSARI
KODIA DATI II - SEMARANG



DIKERJAKAN OLEH :

LABORATORIUM MEKANIKA TANAH
FAKULTAS NON GELAR TEKNOLOGI
UNIVERSITAS DIPONEGORO
JL. TAMAN SINGOSARI 7-9 SEMARANG



LABORATORIUM MEKANIKA TANAH FAKULTAS NON GELAR TEKNOLOGI UNIVERSITAS DIPONEGORO

Jalan Taman Singosari 7 - 9 Semarang - 50242

L A P O R A N HASIL PENYELIDIKAN TANAH (SONDER)

JEMB. GEMPOLSARI - KODIA DATI II SEMARANG

I. PENDAHULUAN :

Penyelidikan tanah yang dilaksanakan di lokasi Jembatan Gempolsari Kodia Dati II. Semarang berupa sonder sebanyak : 2(dua) titik. Alat sonder yang digunakan dipalangan adalah alat sonder sedang type DUTCH CONEPETROMETER dengan biconus yang berkapasitas : 2.50 ton. Dari hasil sonder dapat dibuat grafik yang menyatakan hubungan antara : Conus Resistance , Local Friction dan Total Friction untuk tiap- tiap kedalaman (Grafik Sonder Terlampir).

II. HASIL SONDER :

Dari ke:2(dua) titik sonder hasilnya hampir sama. Dari permukaan sampai kedalaman : -4.50 meter nilai conus resistancenya tidak begitu besar yaitu berkisar antara : 10-15 kg/Cm². Semakin kedalam hingga kedalaman : -8.00 meter nilai conus resistancenya meningkat agak besar yaitu berkisar antara : 40- 50 kg/Cm². Semakin kedalam lagi nilai conus resistancenya berubah menjadi kecil. Hingga kedalaman : -25.00 meter belum terdapat nilai conus resistance > 200 kg/Cm². Ini berarti - bahwa sampai kedalaman : -25 meter belum terdapat lapisan tanah yang keras / cadas. Nilai Total Frictionnya (Hambatan lekat) cukup baik.

III. PENUTUP :

Demikian laporan yang dapat kami sampaikan atas kerja samanya sebelumnya mengucapkan terima kasih.

CATATAN :

1. Permukaan titik sonder :S.I berada: -2.00 meter dari permukaan Abutment.
2. Permukaan titik sonder :S.II berada :-3.00 meter dari permukaan Abutment.

Semarang, 1 Nopember 1995

Laboratorium Mekanika Tanah
Fakultas Non Gelar Teknologi
Universitas Diponegoro



GRAPH OF SOUNDING

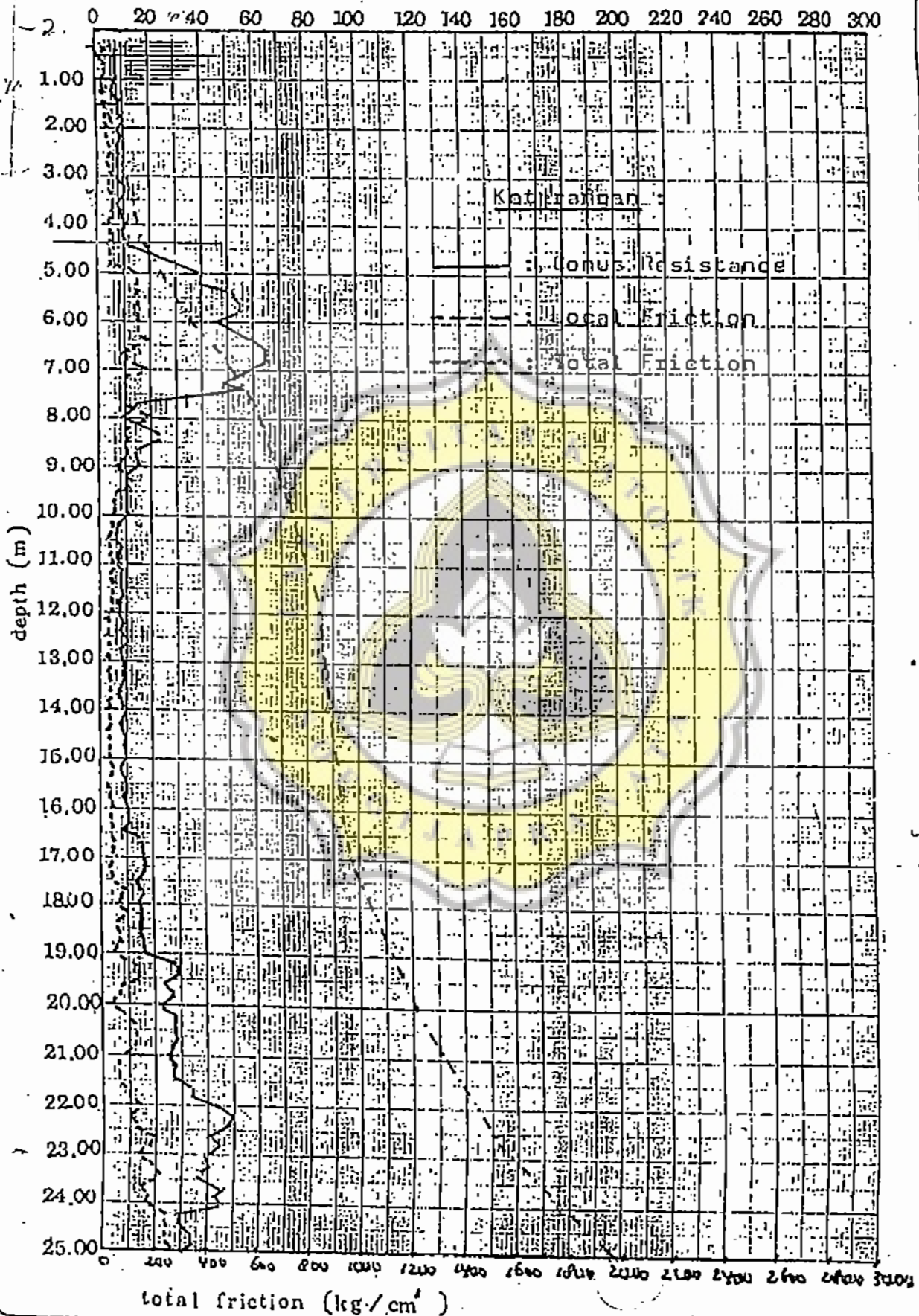
2,5 ton

Sounding No.: S.I

Location: Jemb. Gempolsari Semarang.

Date : 31 Oktober 1995

conus resistance & local friction (kg/cm²)



P-0249

7,89

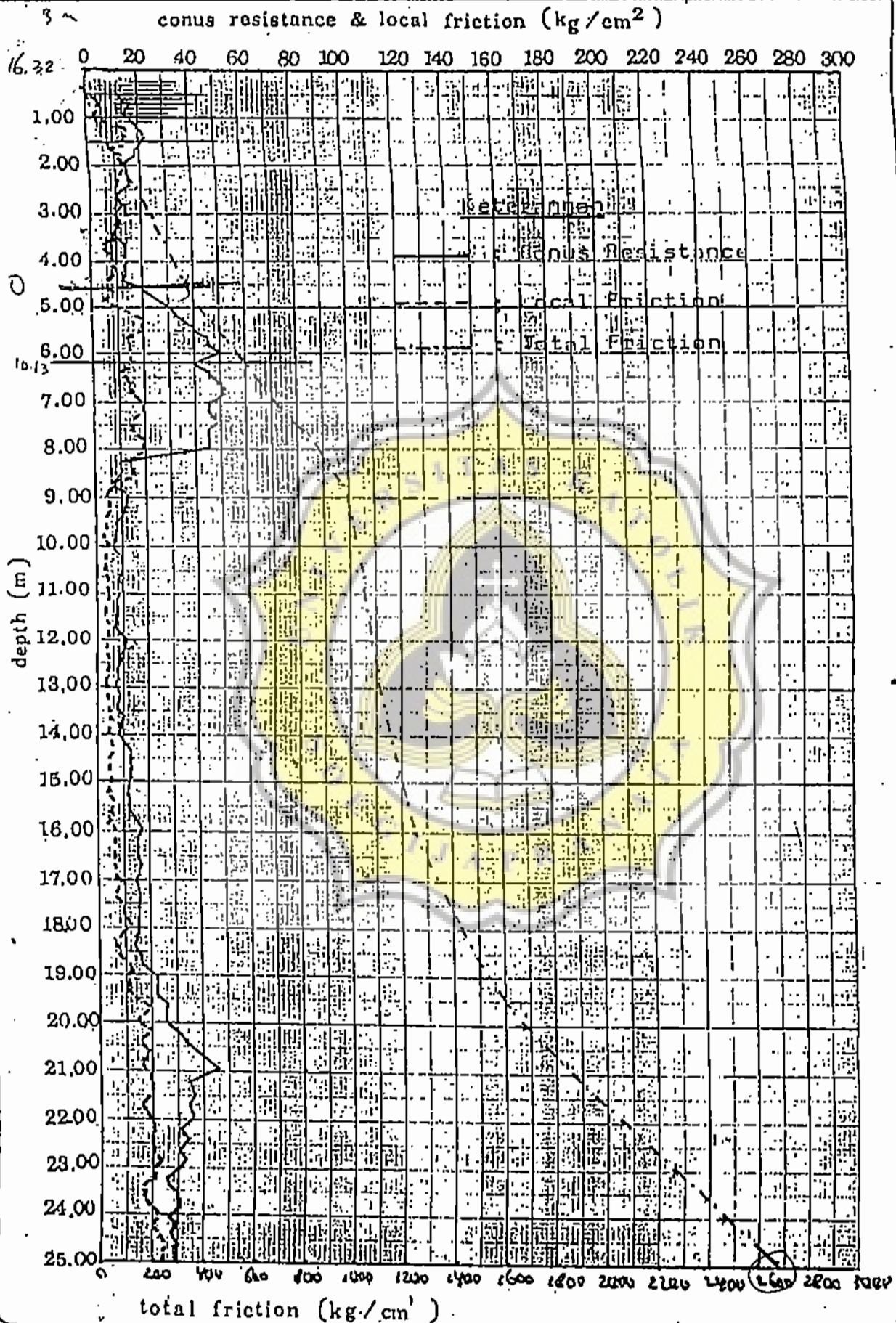
GRAPH OF SOUNDING

2,5 ton

Sounding No.: S.II

Location: Jemb. Gempolsari Semarang

Date : 31 Oktober 1995



NO	NOSTA	MANGKANGKULONI	TUGU	DPT	193	22	344	15	3/1	10	21/	12	195	5	139	8	13/	14
2	10033C	MANGKANGKULONI	TUGU	DPT	193	22	344	15	3/1	10	21/	12	195	5	139	8	13/	14
3	10033D	PANGGUNG	TUGU	PU8														
4	1007C	MIJEN BPP	MIJEN	BPTP														
5	10041	TUGU AW	TUGU	PU8														
6	10041A	SEMARANG METEO	SEMARANG-BRT	BMG														
7	10041C	MANGKANG WD.	TUGU	PU8	241	19			278	12	216	14	122	6	159	7	149	3
8	10041D	MANGKANG BRINGI	TUGU	PU8														
9	10041	SEMARANG KLIM	SEMARANG-BRT	BMG	325	27	421	17	226	20	226	15	83	15	167	10		
10	10042	SIMONGAN	SEMARANG-SLT	PU10	296	24	569	21	306	14	289	13	92	7	276	7	160	2

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STASIUN KLIMATOLOGI SEMARANG

SEMARANG

DATA HUJAN BULANAN KAB : SEMARANG

NO URT	NOSTA	LOKASI	KECAMATAN	INS- TANSI	JAN		FEB		MAR		APR		MEI		JUN		MAX.ABS		
					RR	HH	RR	HH	RR	HH	RR	HH	RR	HH	RR	HH	RR	HH	RR
11	10042A	KALISARI	SEMARANG-BRT	PU10	265	24	436	18	296	15	205	14	82	9	154	7	110	12	
12	10044	MIJEN	MIJEN	CMT															
13	10046	GUNUNGPATI	GUNUNGPATI	PU10															
14	10046X	GUNUNGPATI	GUNUNGPATI	CMT															
15	10049A	SEMARANG MRTIM	SEMARANG-UTR	BMG															
16	10049X	PIENGGARON DSBN	GENUK	BPTP															
17	10059	CANDI	SEMARANG-SLT	PU10															
18	10062	TEMBALANG KEL.	SEMARANG-SLT	CMT															
19	10062X	KRAMAS BB/TEMBA	SEMARANG-SLT	DPT															
20	10063B	KEDUNGBANGKONG	SEMARANG-SLT	PU10															
21	10064	SUSUKAN	UNGERAN	PU9	440	21	178	18	273	14	369	15	114	5	72	4	85	3	
22	10064X	PIENGGARON	UNGERAN	KPH12															
23	10065	UNGERAN/GENUK	UNGERAN	PU9	RUSAK								63	10	36	4			
24	10065B	UNGERAN/TBY SI	UNGERAN	BPTP	604	26	347	24	374	18	279	16	86	7	61	4			
25	10065C	SUMURJURANG	GUNUNGPATI	PU10															
26	10067	G/BUGAN	KLEPU	PTP18	713	28	982	19	493	16	403	15	138	8	114	7			
27	10068	NGOBO/KLEPU	KLEPU	PTP18	629	28	517	23	551	18	347	16	171	8	77	7			
28	10068B	KLEPU	KLEPU	PU9	727	23	311	12	404	10	368	13	135	6	39	2			

NO URT	NUSIA	LURAS	RECAWIATAM	INS- TANSI	JAN		FEB		MARE		APR		MAY		JUN		HMA-MDU
					RR	HH	RR	HH	RR	HH	RR	HH	RR	HH	RR	HH	
41	10080A	CANDIKUKUH	BANYUBIRU	PU9	471	21	247	15	265	11	203	11	176	9	59	4	
42	10081	GETASAN	GETASAN	CMT	648	21	246	18	267	17	303	11	391	11	133	3	
43	10081A	KOPENG KBB	GETASAN	DPT	560	28	520	18	355	199	378	14	315	15	45	5	
44	10081B	KOPENG KPH	GETASAN	KPH6													
45	10082	KARANGLO	BRINGIN	PU9	212	23	144	11	241	13	126	10	99	6	9	2	
46	10082A	GRENJENG	BRINGIN	PU9	713	21	314	13	415	14	238	12	131	5	32	2	
47	10082X	BANDING BPP	BRINGIN	DPT													
48	10083	TUNTANG	BAWEN	PU9	525	21	351	14	373	11	278	9	103	5	86	3	
49	10083X	KESONGO BPP	TUNTANG	BPTP	576	25	340	14	305	13	272	12	190	9	66	3	
50	10085	GETAS SMPK	BRINGIN	PTP19	536	31	596	24	492	22	298	21	216	17	42	6	
51	10085A	SILUMUT/MACANAN	TUNTANG	PU9	667	29	277	17	505	18	202	13	177	9	32	2	
52	10086	SALATIGA I	SALATIGA	PU9	582	26	325	15	448	18	200	9	219	16	20	1	
53	10088A	CEPOKO/UJUNG	SALATIGA	PU9	297	27	206	19	291	16	196	13	79	10	48	2	
54	10089	BARUKAN	TENGARAN	PU9	548	28	369	21	472	21	0	0	153	10	22	3	
55	10089A	KARANGDUREN KBB	TENGARAN	DPT	674	30	419	23	328	21	254	18	171	9	0	0	
56	10089B	SURUH	SURUH	PU9	RUSAK												
57	10090	PADASLOROT	TENGARAN	PU9	674	29	341	23	403	22	259	9	19	2			
58	10090B	TEGALWATON BPP	TENGARAN	DPT	696	28	370	21	500	19	296	16	114	10	52	3	
59	10091	DADAPAYAN	SURUH	PU9	RUSAK												
60	10092	REJOSO	SUSUKAN	PU9	768	25	524	21	405	19	282	16	47	4	13	3	
61	10092A	PAREAN	SUSUKAN	PU9	672	25	429	24	382	15							
62	10094	KARANGROTO	GENUK	PU10	312	20	440	15	160	9	234	7	97	6	53	5	175
63	10097	PLAMONGAN	GENUK	PU10	177	17	383	14	132	8	351	10	90	4	39	3	103
64	10098	PUCANGGADING	GENUK	PU10	218	16	258	15	120	12	235	19	106	4	104	4	79
GROBOGAN																	

SEMARANG/GROBOGAN

STASIUN KLIMATOLOGI SEMARANG

KAB :

NO URT	NOSTA	LOKASI	KECAMATAN	INS- TANSI		JUL		AGT		SEPT		OKT		NOP		DES		MAX	
				RR	HH	RR	HH	RR	HH	RR	HH	RR	HH	RR	HH	RR	HH	RR	HH
41	10080A	CANDIKUKUH	BANYUBIRU	PU9	14	1	59	3	-	-	-	-	-	-	-	-	279	14	-
42	10081	GETASAN	GETASAN	CMT	9	1	18	4	22	1	358	14	515	18	281	18	91	-	
43	10081A	KOPENG KBB	GETASAN	DPT	9	2	61	5	12	2	355	17	567	26	479	22	123	-	
44	10081B	KOPENG KPH	GETASAN	KPH6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
45	10082	KARANGLO	BRINGIN	PU9	12	1	17	3	7	2	121	7	234	16	133	13	85	-	
46	10082A	GRENJENG	BRINGIN	PU9	104	1	40	1	79	3	548	12	256	15	257	9	107	-	
47	10082X	BANDING BPP	BRINGIN	DPT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
48	10083	TUNTANG	BAWEN	PU9	30	1	22	3	16	3	254	9	520	20	381	16	117	-	
49	10083X	KESONGO BPP	TUNTANG	BPTP	40	1	10	5	19	2	276	15	448	20	322	20	80	-	
50	10085	GETAS SMPK	BRINGIN	PTP19	27	5	62	6	20	8	366	16	595	20	267	19	125	-	
51	10085A	SILUMUT/MACANAN	TUNTANG	PU9	-	-	16	3	16	2	151	3	384	23	287	15	-	-	
52	10086	SALATIGA I	SALATIGA	PU9	24	1	14	1	36	2	334	13	470	18	345	18	118	-	
53	10088A	CEPOKO/JUJUNG	SALATIGA	PU9	-	-	16	2	102	2	144	14	209	13	245	15	57	-	
54	10089	BARUKAN	TENGARAN	PU9	10	1	38	4	14	1	188	12	179	16	86	20	50	-	
55	10089A	KARANGDUREN KBB	TENGARAN	DPT	17	3	31	3	5	2	227	14	399	22	370	24	-	-	
56	10089B	SURUH	SURUH	PU9	RUSAK	-	-	-	-	-	-	-	-	-	-	-	-	-	
57	10090	PADASLOROT	TENGARAN	PU9	3	1	9	2	8	3	17	10	215	15	252	18	76	-	
58	10090B	TEGALWATON BPP	TENGARAN	DPT	22	3	32	4	12	2	130	13	204	17	308	20	88	-	
59	10091	DADAPAYAN	SURUH	PU9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
60	10092	REJOSO	SUSUKAN	PU9	-	-	15	2	-	-	306	9	347	15	570	17	109	-	
61	10092A	PAEAN	SUSUKAN	PU9	3	1	45	3	7	1	-	-	196	10	307	15	80	-	
62	10094	KARANGROTO	GENUK	PU10	193	2	76	4	10	1	253	9	280	13	267	16	175	-	
63	10097	PLAMONGAN	GENUK	PU10	43	3	52	3	6	1	210	13	390	16	276	11	103	-	
64	10098	PUCANGGADING	GENUK	PU10	20	1	79	4	-	-	244	11	456	18	267	15	79	-	
GROBOGAN																			