

## **LAMPIRAN - LAMPIRAN**



## LAMPIRAN A. Daftar Riwayat Hidup

### DAFTAR RIWAYAT HIDUP

#### Data Pribadi

Nama Lengkap : Ahmad Lutfi Manfaluti  
Tempat,Tanggal lahir : Lumajang, 24 Mei 1994  
Jenis Kelamin : Laki-laki  
Tinggi Badan : 167 cm  
Agama : Islam  
Kewarganegaraan : Indonesia  
Alamat : Jl. Balai Desa Kebonsari RT 04 RW 01 Dusun Sarirejo I  
Desa Kebonsari Kecamatan Sumbersuko Kabupaten  
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#### Pendidikan Formal

Sekolah Dasar : 1. SD Negeri 152 Kalaena Kiri, Luwu Timur,  
Sulawesi Selatan  
2. SD Negeri 2 Kebonsari, Lumajang Tahun Lulus  
2007  
Sekolah Menengah Pertama : SMP Negeri 1 Sukodono, Lumajang Tahun Lulus  
2010  
Sekolah Menengah Atas : 1. SMA Negeri 3 Lumajang Tahun 2010-2011  
2. SMA Negeri 1 Kalaena, Luwu Timur, Sulawesi  
Selatan Tahun Lulus 2013  
Universitas : Universitas Muhammadiyah Jember

#### Pengalaman Organisasi

Anggota UKM PSM Wahana Swara Surya UM Jember 2016-2020  
Hubungan Masyarakat UKM PSM Wahana Swara Surya UM Jember 2016-2017  
& 2017-2018  
Asisten Laboratorium Ilmu Ukur Tanah Teknik Sipil UM Jember Tahun 2018

LAMPIRAN B. SK Pembimbing dan SK Penguji Tugas Akhir.







# UNIVERSITY OF BAGHDAD - FACULTY OF VETERINARY MEDICINE

DEPARTMENT OF ANATOMY AND HISTOLOGY  
AND CELL PHYSIOLOGY

LECTURE 11: THE DIGESTIVE SYSTEM  
(GASTROINTESTINAL TRACT)

STRUCTURE AND FUNCTION OF THE DIGESTIVE SYSTEM  
AND THE GASTROINTESTINAL TRACT

## Objectives

After this lecture, you should be able to:

- 1. Describe the structure and function of the digestive system.
- 2. Describe the structure and function of the mouth and pharynx.
- 3. Describe the structure and function of the esophagus.
- 4. Describe the structure and function of the stomach.
- 5. Describe the structure and function of the small intestine.
- 6. Describe the structure and function of the large intestine.
- 7. Describe the structure and function of the rectum and anus.

## References

1. *Textbook of Veterinary Anatomy*, 10th Edition, J. Ross & W. Johnson, Elsevier, 2002.
2. *Textbook of Veterinary Histology*, 10th Edition, J. Ross & W. Johnson, Elsevier, 2002.
3. *Textbook of Veterinary Physiology*, 10th Edition, J. Ross & W. Johnson, Elsevier, 2002.

These objectives are for the student to achieve after completing the lecture and reading the references.

Dr. [Name] - Lecturer  
[Address]

Date: / /

Signature: [Handwritten Signature]

[Stamp]



LAMPIRAN C. Lembar Asistensi Tugas Akhir

**UNIVERSITAS TERBUKA**  
Jalan Raya Sekeloa Selatan 1, No. 1, Jakarta Timur 13122  
Telp. (021) 83595000, Faks. (021) 83595001, E-mail: unta@untab.ac.id

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**LEMBAR ASISTENSI TUGAS AKHIR**  
**PROJEK PENGANTAR GEOGRAFI**

**Nama:** [Nama Mahasiswa]  
**NIM:** [NIM Mahasiswa]  
**Revisi:** [Revisi]

	<p>[Area for student work or notes]</p>	<p>[Area for student work or notes]</p>
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[Area for student work or notes]

[Area for student work or notes]



**LABORING BOARD**  
**ESTABLISHED BY DEPARTMENT OF JUSTICE**  
**IN ACCORDANCE WITH EXECUTIVE ORDER NO. 11808**  
**DATE: FEBRUARY 2, 1975**

**LABORING BOARD OF THE NATIONAL BUREAU OF INVESTIGATION**  
**MEMORANDUM FOR THE BOARD**

**TO: DIRECTOR, NATIONAL BUREAU OF INVESTIGATION**  
**FROM: [Name]**  
**DATE: 1 18 75**

No.	Description	Date
1	[Faded handwritten text]	[Faded handwritten text]
2	[Faded handwritten text]	[Faded handwritten text]
3	[Faded handwritten text]	[Faded handwritten text]
4	[Faded handwritten text]	[Faded handwritten text]
5	[Faded handwritten text]	[Faded handwritten text]
6	[Faded handwritten text]	[Faded handwritten text]
7	[Faded handwritten text]	[Faded handwritten text]
8	[Faded handwritten text]	[Faded handwritten text]
9	[Faded handwritten text]	[Faded handwritten text]
10	[Faded handwritten text]	[Faded handwritten text]

Erin Patricia E.

Erin Patricia E.  
 Director, NBI  
 1 18 75



**LAMPIRAN D . Data Survei Catatan Kondisi dan Hasil Pengukuran jenis tingkat kerusakan dengan panjang 2,1 km pada Ruas Jalan M. H. Thamrin Kec. Ajung Kab. Jember yang di bagi per segmen 100 m.**

Tabel D.1. Survei kerusakan jalan Sta 0+000 s/d Sta 0+100

No	STA (m)	Posisi			Tingkat			Hasil Pengukuran					Jenis
		kiri	tengah/as	kanan	L	M	H	P (m)	L (m)	D (cm)	A (m)	Lr (mm)	
1	0+020	✓					✓	5	0.32		1.	200	Retak buaya
2	0+0	✓					✓	0.29	5		1.45	150	Retak buaya
3	0+0			✓			✓	5	0.29		1.45	120	Retak buaya
4	0+014			✓			✓	1	0.		0.		Tambalan
5	0+023			✓			✓	2.2	20		44	100	Retak Buaya
	0+025	✓					✓	15	1.5		27.	0	Retak Buaya
7	0+035			✓			✓	4	1.5		7.4	130	Retak Buaya
	0+045			✓			✓	9.7	2		19.4	130	Retak Buaya
9	0+054			✓			✓	4.2	3.5		14.7	90	Retak Buaya
10	0+0 4			✓			✓		3.5		21	15	Retak Melintang

Tabel D.2. Survei kerusakan jalan Sta 0+100 s/d Sta 0+200

No	STA (m)	Posisi			Tingkat			Hasil Pengukuran					Jenis
		kiri	tengah/as	kanan	L	M	H	P (m)	L (m)	D (cm)	A (m)	Lr (mm)	
1	0+101			✓			✓	4.5	1.5		.325	90	Retak Melintang
2	0+111	✓					✓		2		1	5	Retak Buaya
3	0+125		✓			✓		2.5	2		5	50	Retak Buaya
4	0+130	✓					✓		2		1	100	Retak Buaya
5	0+143	✓				✓		7	2		14		Retak Memanjang
	0+1 7	✓				✓		17	1.5		25.5	50	Retak Buaya
7	0+1 7			✓			✓	4	1.5			50	Retak Blok
	0+171	✓					✓	9	2		1	1 0	Retak Buaya
9	0+173			✓			✓	3	1.1		3.3	50	Retak Blok
10	0+173			✓		✓		3	22			30	Retak Blok
11	0+1 3	✓					✓		2		1	150	Retak Buaya
12	0+191	✓					✓	9	3		27	90	Retak Buaya

Tabel D.3. Survei kerusakan jalan Sta 0+200 s/d Sta 0+300

No	STA (m)	Posisi			Tingkat			Hasil Pengukuran					Jenis
		kiri	tengah/as	kanan	L	M	H	P (m)	L (m)	D (cm)	A (m)	Lr (mm)	
1	0+200	✓					✓	14	3		42	50	Retak Blok
2	0+243	✓			✓			5	7	15	35		Ambblas
3	0+243			✓		✓		5	2.5		12.5		Tambalan
4	0+259	✓					✓	12	2.2		2 .4	50	Retak Blok
5	0+275	✓					✓	20	2.4		4	51	Retak Blok

Tabel D.4. Survei kerusakan jalan Sta 0+300 s/d Sta 0+400

No	STA (m)	Posisi			Tingkat			Hasil Pengukuran					Jenis	
		kiri	tengah/as	kanan	L	M	H	P (m)	L (m)	D (cm)	A (m)	Lr (mm)		
1	0+301	✓					✓		1			144		Tambalan
2	0+314	✓			✓			1	3			3		Retak Melintang
3	0+321	✓					✓	19	3.4			4		50 Retak Blok
4	0+343	✓				✓			1.2			7.2		51 Retak Buaya
5	0+344					✓		2	2.5			5		100 Retak Melintang
	0+345						✓	2	3.5			9		Kegemukan
7	0+394	✓				✓			3.5			21		50 Retak Buaya

Tabel D.5. Survei kerusakan jalan Sta 0+400 s/d Sta 0+500

No	STA (m)	Posisi			Tingkat			Hasil Pengukuran					Jenis	
		kiri	tengah/as	kanan	L	M	H	P (m)	L (m)	D (cm)	A (m)	Lr (mm)		
1	0+400	✓					✓	30	3.5			105	0	Retak buaya
2	0+411			✓	✓				1.5			12		Retak buaya
3	0+452			✓	✓				1.5			9	10	Retak buaya
4	0+4 3			✓	✓			7	1.5			10.5	9	Retak buaya
5	0+475	✓					✓	5	3.5			17.5	0	Retak buaya
	0+4 1	✓				✓		19	2			3	70	Retak Melintang

Tabel D.6. Survei kerusakan jalan Sta 0+500 s/d Sta 0+600

No	STA (m)	Posisi			Tingkat			Hasil Pengukuran					Jenis	
		kiri	tengah/as	kanan	L	M	H	P (m)	L (m)	D (cm)	A (m)	Lr (mm)		
1	0+500	✓				✓		22	3.5			77	70	Retak Buaya
2	0+500			✓	✓			22	3.5			77	50	Retak Buaya
3	0+522			✓	✓			10	3.5			35	30	Retak Buaya
4	0+535	✓			✓			3	1.23			3.9		Retak Memanjang
5	0+553	✓			✓			12	3.5			42	30	Retak Buaya
	0+553	✓				✓		11	3.5			3.5		Retak Memanjang
7	0+5	✓				✓		24	3.5			4	15	Retak Buaya
	0+592			✓			✓	5	1			5	50	Kegemukan
9	0+597	✓				✓		3	3.5			10.5	130	Retak Buaya

Tabel D.7. Survei kerusakan jalan Sta 0+600 s/d Sta 0+700

No	STA (m)	Posisi			Tingkat			Hasil Pengukuran					Jenis	
		kiri	tengah/as	kanan	L	M	H	P (m)	L (m)	D (cm)	A (m)	Lr (mm)		
1	0+ 00	✓				✓		12	2			24	50	Retak Blok
2	0+ 00			✓			✓	12	2			24		Retak Memanjang
3	0+ 17	✓			✓			3	2				30	Retak Buaya
4	0+ 35	✓					✓	10.1	3			30		Retak Memanjang
5	0+ 0	✓					✓	9	3.5			32	0	Retak Buaya
	0+ 7	✓					✓	22	3.5			77	0	Retak Buaya
7	0+ 90	✓				✓		10	3.5			35	70	Retak Buaya

Tabel D.8. Survei kerusakan jalan Sta 0+700 s/d Sta 0+800

No	STA (m)	Posisi			Tingkat			Hasil Pengukuran					Jenis
		kiri	tengah/as	kanan	L	M	H	P (m)	L (m)	D (cm)	A (m)	Lr (mm)	
1	0+700	✓			✓			27	3.5	1	94.5	40	Retak Buaya
2	0+727	✓			✓			3	3.5		12	30	Retak Buaya
3	0+7 3	✓				✓		15	3.5		52.5	0	Retak Buaya
4	0+7 3	✓			✓			17	3.5		59.5	70	Retak Buaya

Tabel D.9. Survei kerusakan jalan Sta 0+800 s/d Sta 0+900

No	STA (m)	Posisi			Tingkat			Hasil Pengukuran					Jenis
		kiri	tengah/as	kanan	L	M	H	P (m)	L (m)	D (cm)	A (m)	Lr (mm)	
1	0+ 00	✓			✓			3	2			15	Retak Buaya
2	0+ 04	✓			✓			11	2		22	15	Retak Buaya
3	0+ 31	✓					✓	9	5	2	345	30	Retak Buaya

Tabel D.10. Survei kerusakan jalan Sta 0+900 s/d Sta 1+000

No	STA (m)	Posisi			Tingkat			Hasil Pengukuran					Jenis
		kiri	tengah/as	kanan	L	M	H	P (m)	L (m)	D (cm)	A (m)	Lr (mm)	
1	0+900	✓					✓	1	1.5	0.5	24	90	Retak Buaya
2	0+91	✓					✓	15	1.5		22.5		Tambalan
3	0+932	✓				✓		10	1.5		15	50	Retak Buaya
4	0+939	✓				✓		4	1		4		Tambalan
5	0+942	✓					✓	1					Tambalan
	0+950	✓				✓		29	3.5		101.5	40	Retak Buaya
7	0+979	✓				✓		3	1		3	50	Retak Buaya
	0+992	✓					✓	1					Tambalan
9	0+992		✓				✓		3.5		2	500	Retak Blok
10	0+992			✓		✓			2.5		20	4	Retak Blok

Tabel D.11. Survei kerusakan jalan Sta 1+000 s/d Sta 1+100

No	STA (m)	Posisi			Tingkat			Hasil Pengukuran					Jenis
		kiri	tengah/as	kanan	L	M	H	P (m)	L (m)	D (cm)	A (m)	Lr (mm)	
1	1+000	✓					✓	7	2		14		Tambalan
2	1+000	✓				✓		7	1.7		12.4	30	Retak Buaya
3	1+007	✓			✓			7	0.5		3.5	3	Retak Melintang
4	1+012			✓	✓			4	0.3		1.2		Retak Memanjang
5	1+014	✓			✓			5	0.2		1		Retak Memanjang
	1+024	✓			✓			15	3.5		52.5	3	Retak Buaya
7	1+042	✓					✓	5	3.5	1	203	50	Retak Buaya
	1+100	✓			✓			4.2	3.5		14.7	3	Retak Buaya

Tabel D.12. Survei kerusakan jalan Sta 1+100 s/d Sta 1+200

No	STA (m)	Posisi			Tingkat			Hasil Pengukuran					Jenis
		kiri	tengah/as	kanan	L	M	H	P (m)	L (m)	D (cm)	A (m)	Lr (mm)	
1	1+100	✓					✓	50	3.5		175	130	Retak Buaya
2	1+150	✓					✓	31	3.5		10 .5	120	Retak Buaya
3	1+1 1	✓			✓			19	3.5		.5	20	Retak Buaya

Tabel D.13. Survei kerusakan jalan Sta 1+200 s/d Sta 1+300

No	STA (m)	Posisi			Tingkat			Hasil Pengukuran					Jenis
		kiri	tengah/as	kanan	L	M	H	P (m)	L (m)	D (cm)	A (m)	Lr (mm)	
1	1+200	✓			✓			20	1		20	7	Retak Pinggir
2	1+222			✓	✓			5	3.5		17.5	3	Retak Pinggir
3	1+255	✓				✓		5	2		10	30	Retak Buaya
4	1+250			✓	✓			50	3.5		175	7	Alur
5	1+273	✓				✓		27	3.5		94.5	0	Retak Blok
	1+273			✓	✓			1	1		1		Tambalan

Tabel D.14. Survei kerusakan jalan Sta 1+300 s/d Sta 1+400

No	STA (m)	Posisi			Tingkat			Hasil Pengukuran					Jenis
		kiri	tengah/as	kanan	L	M	H	P (m)	L (m)	D (cm)	A (m)	Lr (mm)	
1	1+300	✓				✓		23	3.5		0.5	90	Retak Blok
2	1+31			✓		✓		3	1		3		Tambalan
3	1+324			✓			✓	2	2		4	90	Retak Buaya
4	1+33	✓					✓	2	3.5		7	150	Retak Buaya
5	1+33			✓		✓		1	1.5		1.5		Tambalan
	1+340	✓			✓			10	5		50		Retak Memanjang
7	1+351	✓			✓			15	3.5		52.5	20	Retak Blok
	1+351			✓		✓		15	3.5		52.5	70	Retak Blok
9	1+372	✓				✓		10	2		20	10	Retak Pinggir
10	1+372			✓		✓		10	2		20	10	Retak Pinggir
11	1+37			✓		✓		3.5	1		3.5		Tambalan

Tabel D.15. Survei kerusakan jalan Sta 1+400 s/d Sta 1+500

No	STA (m)	Posisi			Tingkat			Hasil Pengukuran					Jenis
		kiri	tengah/as	kanan	L	M	H	P (m)	L (m)	D (cm)	A (m)	Lr (mm)	
1	1+400			✓			✓	10	1.5		15	150	Retak Pinggir
2	1+400	✓			✓			100	0.9		9		Retak Memanjang
3	1+400	✓				✓		100	3.5		350	10	Retak Buaya
4	1+400			✓			✓	9.5	1		9.5	130	Retak Pinggir
5	1+4	✓			✓			7	1		7		Retak Memanjang

Tabel D.16. Survei kerusakan jalan Sta 1+500 s/d Sta 1+600

No	STA (m)	Posisi			Tingkat			Hasil Pengukuran					Jenis
		kiri	tengah/as	kanan	L	M	H	P (m)	L (m)	D (cm)	A (m)	Lr (mm)	
1	1+500	✓				✓		10	2		20	15	Retak Pinggir
2	1+500			✓		✓		10	2		20	15	Retak Pinggir
3	1+5 2	✓				✓		5	3.5		17.5	20	Retak Buaya
4	1+594			✓	✓			1	0.5		0.5		Tambalan
5	1+594	✓					✓	4	4		1		Tambalan

Tabel D.17. Survei kerusakan jalan Sta 1+600 s/d Sta 1+700

No	STA (m)	Posisi			Tingkat			Hasil Pengukuran					Jenis
		kiri	tengah/as	kanan	L	M	H	P (m)	L (m)	D (cm)	A (m)	Lr (mm)	
1	1+ 00	✓			✓			27	3.5	1	94.5	10	Retak Buaya
2	1+ 00			✓	✓			27	3.5		94.5	10	Retak Buaya
3	1+ 29	✓			✓			9	1.5		13.5		Retak Memanjang
4	1+ 35			✓	✓			2	3.5	7	91		Alur
5	1+ 5	✓				✓		44	3.5		154	10	Retak Buaya

Tabel D.18. Survei kerusakan jalan Sta 1+700 s/d Sta 1+800

No	STA (m)	Posisi			Tingkat			Hasil Pengukuran					Jenis
		kiri	tengah/as	kanan	L	M	H	P (m)	L (m)	D (cm)	A (m)	Lr (mm)	
1	1+700			✓			✓	19	1	1	19	1	Retak Pinggir
2	1+700	✓					✓	39	3.5		13.5	10	Retak Buaya
3	1+739			✓			✓		3.5		2		Tambalan
4	1+744	✓				✓		3	3.5		10.5	14	Retak Buaya
5	1+754			✓		✓		3	1.5		4.5		Tambalan
	1+75			✓		✓		1	7		7	5	Retak Melintang
7	1+75	✓				✓		3	3.5		10.5		Tambalan
	1+75			✓		✓		42	3.		159.		Alur
9	1+7	✓				✓		19	2		3		Retak Memanjang
10	1+7 7	✓				✓		13	3		39		Retak Memanjang

Tabel D.19. Survei kerusakan jalan Sta 1+800 s/d Sta 1+900

No	STA (m)	Posisi			Tingkat			Hasil Pengukuran					Jenis
		kiri	tengah/as	kanan	L	M	H	P (m)	L (m)	D (cm)	A (m)	Lr (mm)	
1	1+ 00			✓		✓		20	1		20	35	Retak Pinggir
2	1+ 00	✓			✓			50	3.5		175	15	Retak Buaya
3	1+ 0	✓			✓			13	1	1	13	15	Retak Pinggir
4	1+ 1	✓				✓		19	3.5		.5	20	Retak Blok
5	1+			✓		✓		7	2		14	20	Retak Pinggir

Tabel D.20. Survei kerusakan jalan Sta 1+900 s/d Sta 2+000

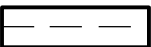
No	STA (m)	Posisi			Tingkat			Hasil Pengukuran					Jenis
		kiri	tengah/as	kanan	L	M	H	P (m)	L (m)	D (cm)	A (m)	Lr (mm)	
1	1+900			✓	✓			11	1		11	10	Retak Pinggir
2	1+911	✓				✓		3	3		9		Retak Memanjang
3	1+942	✓				✓			3		24		Retak Memanjang
4	1+993			✓	✓			7	1.5		10.5	10	Retak Blok

Tabel D.21. Survei kerusakan jalan Sta 2+000 s/d Sta 2+100

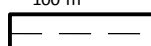
No	STA (m)	Posisi			Tingkat			Hasil Pengukuran					Jenis
		kiri	tengah/as	kanan	L	M	H	P (m)	L (m)	D (cm)	A (m)	Lr (mm)	
1	2+000	✓				✓		2	2		4	12	Retak Buaya
2	2+014	✓				✓			2		12	10	Retak Buaya
3	2+047			✓		✓		30	3		90	10	Retak Buaya




Tabel E.3. Formulir Survei PCI Sta 0+200 s/d Sta 0+300

AIRFIELD ASPHALT PAVEMENT SKETCH : CONDITION SURVEI DATA SHEET FOR SAMPLE UNIT								SKETCH : 100 m  ,5 m		
1. Retak Buaya (m2)	. Retak Sambung (m)	15. Alur (m2)								
2. Kegemukan (m2)	9. Pinggir Jalan Turun Vertikal (m)	1 . Sungkur (m2)								
3. Retak Kotak/Blok (m2)	10. Retak memanjang/melintang (m)	17. Patah Slip (m2)								
4. Cekungan (m2)	11. Tambalan (m)	1 . Mengembang Jembul (m2)								
5. Keriting (m2)	12. Pengausan Agregat (m)	19. Pelepasan Butir (m2)								
. Amblas (m2)	13. Lubang (count)									
7. Retak Pinggir (m)	14. Perpotongan Rel (m2)									
STA	DISTRESS SEVERITY	QUANTITY (m/m2)						TOTAL (m)	DENSITY ( )	DEDUCT VALUE
0+200 s/d 0+300	3H	42	2 .4	4			11 .4	17.91	39	
	L	35					35.00	5.3	10	
	11M	12.5					12.5	1.92	13	
<b>TOTAL DEDUCT VALUE</b>									<b>2</b>	

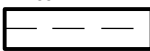
Tabel E.4. Formulir Survei PCI Sta 0+300 s/d Sta 0+400

AIRFIELD ASPHALT PAVEMENT SKETCH : CONDITION SURVEI DATA SHEET FOR SAMPLE UNIT								SKETCH : 100 m  ,5 m		
1. Retak Buaya (m2)	. Retak Sambung (m)	15. Alur (m2)								
2. Kegemukan (m2)	9. Pinggir Jalan Turun Vertikal (m)	1 . Sungkur (m2)								
3. Retak Kotak/Blok (m2)	10. Retak memanjang/melintang (m)	17. Patah Slip (m2)								
4. Cekungan (m2)	11. Tambalan (m)	1 . Mengembang Jembul (m2)								
5. Keriting (m2)	12. Pengausan Agregat (m)	19. Pelepasan Butir (m2)								
. Amblas (m2)	13. Lubang (count)									
7. Retak Pinggir (m)	14. Perpotongan Rel (m2)									
STA	DISTRESS SEVERITY	QUANTITY (m/m2)						TOTAL (m)	DENSITY ( )	DEDUCT VALUE
0+300 s/d 0+400	11H	144					144	22.15	72	
	10L	3					3	0.4	1	
	10M	5.00					5	0.77		
	1M	5	21				2	4.00	37	
	2H	9					9	15.0	2	
	3H	4.					4.	9.94	9	
<b>TOTAL DEDUCT VALUE</b>									<b>14</b>	

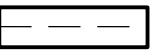
Tabel E.5. Formulir Survei PCI Sta 0+400 s/d Sta 0+500

AIRFIELD ASPHALT PAVEMENT SKETCH : CONDITION SURVEI DATA SHEET FOR SAMPLE UNIT								SKETCH : 100 m  ,5 m		
1. Retak Buaya (m2)	. Retak Sambung (m)	15. Alur (m2)								
2. Kegemukan (m2)	9. Pinggir Jalan Turun Vertikal (m)	1 . Sungkur (m2)								
3. Retak Kotak/Blok (m2)	10. Retak memanjang/melintang (m)	17. Patah Slip (m2)								
4. Cekungan (m2)	11. Tambalan (m)	1 . Mengembang Jembul (m2)								
5. Keriting (m2)	12. Pengausan Agregat (m)	19. Pelepasan Butir (m2)								
. Amblas (m2)	13. Lubang (count)									
7. Retak Pinggir (m)	14. Perpotongan Rel (m2)									
STA	DISTRESS SEVERITY	QUANTITY (m/m2)						TOTAL (m)	DENSITY ( )	DEDUCT VALUE
0+400 s/d 0+500	1H	105	17.5				122.5	1 . 5	3	
	1L	12	9	10.5			31.5	4 . 5	25	
	10M	3					3	5 . 5	14	
<b>TOTAL DEDUCT VALUE</b>									<b>77</b>	

Tabel E.6. Formulir Survei PCI Sta 0+500 s/d Sta 0+600

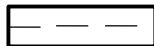
AIRFIELD ASPHALT PAVEMENT SKETCH : CONDITION SURVEI DATA SHEET FOR SAMPLE UNIT								SKETCH : 100 m  ,5 m		
1. Retak Buaya (m2)	. Retak Sambung (m)	15. Alur (m2)								
2. Kegemukan (m2)	9. Pinggir Jalan Turun Vertikal (m)	1 . Sungkur (m2)								
3. Retak Kotak/Blok (m2)	10. Retak memanjang/melintang (m)	17. Patah Slip (m2)								
4. Cekungan (m2)	11. Tambalan (m)	1 . Mengembang Jembul (m2)								
5. Keriting (m2)	12. Pengausan Agregat (m)	19. Pelepasan Butir (m2)								
. Amblas (m2)	13. Lubang (count)									
7. Retak Pinggir (m)	14. Perpotongan Rel (m2)									
STA	DISTRESS SEVERITY	QUANTITY (m/m2)						TOTAL (m)	DENSITY ( )	DEDUCT VALUE
0+500 s/d 0+ 00	1M	77	77	4				23	3 . 2	2
	1L	35	42					77	11.	34
	1H	10.5						10.5	1. 2	33
	10L	3. 9						3.7	0.57	2
	10M	3 .50						3 .5	5.92	23
	2H	5						5	0.77	4
<b>TOTAL DEDUCT VALUE</b>										<b>15</b>

Tabel E.7. Formulir Survei PCI Sta 0+600 s/d Sta 0+700

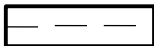
AIRFIELD ASPHALT PAVEMENT SKETCH : CONDITION SURVEI DATA SHEET FOR SAMPLE UNIT								SKETCH : 100 m  ,5 m		
1. Retak Buaya (m2)	. Retak Sambung (m)	15. Alur (m2)								
2. Kegemukan (m2)	9. Pinggir Jalan Turun Vertikal (m)	1 . Sungkur (m2)								
3. Retak Kotak/Blok (m2)	10. Retak memanjang/melintang (m)	17. Patah Slip (m2)								
4. Cekungan (m2)	11. Tambalan (m)	1 . Mengembang Jembul (m2)								
5. Keriting (m2)	12. Pengausan Agregat (m)	19. Pelepasan Butir (m2)								
. Amblas (m2)	13. Lubang (count)									
7. Retak Pinggir (m)	14. Perpotongan Rel (m2)									
STA	DISTRESS SEVERITY	QUANTITY (m/m2)						TOTAL (m)	DENSITY ( )	DEDUCT VALUE
0+ 00 s/d 0+700	3M	24						24	3. 9	
	10H	24	30					54.3	.35	57
	1L								0.92	9
	1M	35						35	5.3	3
	1H	32	77					10 .5	1 . 9	
<b>TOTAL DEDUCT VALUE</b>										<b>17</b>



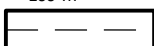
Tabel E.8. Formulir Survei PCI Sta 0+700 s/d Sta 0+800

AIRFIELD ASPHALT PAVEMENT SKETCH : CONDITION SURVEI DATA SHEET FOR SAMPLE UNIT								SKETCH : 100 m  ,5 m		
1. Retak Buaya (m2)			. Retak Sambung (m)			15. Alur (m2)				
2. Kegemukan (m2)			9. Pinggir Jalan Turun Vertikal (m)			1 . Sungkur (m2)				
3. Retak Kotak/Blok (m2)			10. Retak memanjang/melintang (m)			17. Patah Slip (m2)				
4. Cekungan (m2)			11. Tambalan (m)			1 . Mengembang Jembul (m2)				
5. Keriting (m2)			12. Pengausan Agregat (m)			19. Pelepasan Butir (m2)				
. Amblas (m2)			13. Lubang (count)							
7. Retak Pinggir (m)			14. Perpotongan Rel (m2)							
STA	DISTRESS SEVERITY	QUANTITY (m/m2)						TOTAL (m)	DENSITY ( )	DEDUCT VALUE
0+700 s/d 0+ 00	1M	52.5					52.5	.0	43	
	1L	94.50	12	59.50			2 0.00	43.0	31	
<b>TOTAL DEDUCT VALUE</b>									<b>74</b>	

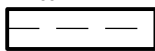
Tabel E.9. Formulir Survei PCI Sta 0+800 s/d Sta 0+900

AIRFIELD ASPHALT PAVEMENT SKETCH : CONDITION SURVEI DATA SHEET FOR SAMPLE UNIT								SKETCH : 100 m  ,5 m		
1. Retak Buaya (m2)			. Retak Sambung (m)			15. Alur (m2)				
2. Kegemukan (m2)			9. Pinggir Jalan Turun Vertikal (m)			1 . Sungkur (m2)				
3. Retak Kotak/Blok (m2)			10. Retak memanjang/melintang (m)			17. Patah Slip (m2)				
4. Cekungan (m2)			11. Tambalan (m)			1 . Mengembang Jembul (m2)				
5. Keriting (m2)			12. Pengausan Agregat (m)			19. Pelepasan Butir (m2)				
. Amblas (m2)			13. Lubang (count)							
7. Retak Pinggir (m)			14. Perpotongan Rel (m2)							
STA	DISTRESS SEVERITY	QUANTITY (m/m2)						TOTAL (m)	DENSITY ( )	DEDUCT VALUE
0+ 00 s/d 0+900	1L		22				2	4.31	23	
	1H	345					345	53.0	0	
<b>TOTAL DEDUCT VALUE</b>									<b>103</b>	

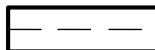
Tabel E.10. Formulir Survei PCI Sta 0+900 s/d Sta 1+000

AIRFIELD ASPHALT PAVEMENT SKETCH : CONDITION SURVEI DATA SHEET FOR SAMPLE UNIT								SKETCH : 100 m  ,5 m		
1. Retak Buaya (m2)			. Retak Sambung (m)			15. Alur (m2)				
2. Kegemukan (m2)			9. Pinggir Jalan Turun Vertikal (m)			1 . Sungkur (m2)				
3. Retak Kotak/Blok (m2)			10. Retak memanjang/melintang (m)			17. Patah Slip (m2)				
4. Cekungan (m2)			11. Tambalan (m)			1 . Mengembang Jembul (m2)				
5. Keriting (m2)			12. Pengausan Agregat (m)			19. Pelepasan Butir (m2)				
. Amblas (m2)			13. Lubang (count)							
7. Retak Pinggir (m)			14. Perpotongan Rel (m2)							
STA	DISTRESS SEVERITY	QUANTITY (m/m2)						TOTAL (m)	DENSITY ( )	DEDUCT VALUE
0+900 s/d 1+000	1H	24					24.0	3. 9	49	
	1M	15	101.5	3			119.5	1 .3	52	
	11H	22.5					3 .5	5.92	40	
	11M	4					4.0	0. 2	9	
	3M	20					20.0	3.0	19	
	3H	2					2 .0	4.31	19	
<b>TOTAL DEDUCT VALUE</b>									<b>1</b>	

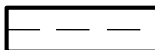
Tabel E.11. Formulir Survei PCI Sta 1+000 s/d Sta 1+100

AIRFIELD ASPHALT PAVEMENT SKETCH : CONDITION SURVEI DATA SHEET FOR SAMPLE UNIT							SKETCH : 100 m  ,5 m			
1. Retak Buaya (m2)	. Retak Sambung (m)	15. Alur (m2)								
2. Kegemukan (m2)	9. Pinggir Jalan Turun Vertikal (m)	1 . Sungkur (m2)								
3. Retak Kotak/Blok (m2)	10. Retak memanjang/melintang (m)	17. Patah Slip (m2)								
4. Cekungan (m2)	11. Tambalan (m)	1 . Mengembang Jembul (m2)								
5. Keriting (m2)	12. Pengausan Agregat (m)	19. Pelepasan Butir (m2)								
. Amblas (m2)	13. Lubang (count)									
7. Retak Pinggir (m)	14. Perpotongan Rel (m2)									
STA	DISTRESS SEVERITY	QUANTITY (m/m2)						TOTAL (m)	DENSITY ( )	DEDUCT VALUE
1+000 s/d 1+100	11H	14					14	2.15	2	
	1L	52.5	14.7				7.2	10.34	32	
	1M	12.4					12.4	1.92	27	
	1H	203					203	31.23	77	
	10L	3.5	1.2	1			5.7	0.	2	
<b>TOTAL DEDUCT VALUE</b>									<b>14</b>	


Tabel E.12. Formulir Survei PCI Sta 1+100 s/d Sta 1+200

AIRFIELD ASPHALT PAVEMENT SKETCH : CONDITION SURVEI DATA SHEET FOR SAMPLE UNIT							SKETCH : 100 m  ,5 m			
1. Retak Buaya (m2)	. Retak Sambung (m)	15. Alur (m2)								
2. Kegemukan (m2)	9. Pinggir Jalan Turun Vertikal (m)	1 . Sungkur (m2)								
3. Retak Kotak/Blok (m2)	10. Retak memanjang/melintang (m)	17. Patah Slip (m2)								
4. Cekungan (m2)	11. Tambalan (m)	1 . Mengembang Jembul (m2)								
5. Keriting (m2)	12. Pengausan Agregat (m)	19. Pelepasan Butir (m2)								
. Amblas (m2)	13. Lubang (count)									
7. Retak Pinggir (m)	14. Perpotongan Rel (m2)									
STA	DISTRESS SEVERITY	QUANTITY (m/m2)						TOTAL (m)	DENSITY ( )	DEDUCT VALUE
1+100 s/d 1+200	1L	.5					.5	10.2	4	
	1H	175	10 .5				2 3.5	43.	49	
<b>TOTAL DEDUCT VALUE</b>									<b>113</b>	


Tabel E.13. Formulir Survei PCI Sta 1+200 s/d Sta 1+300

AIRFIELD ASPHALT PAVEMENT SKETCH : CONDITION SURVEI DATA SHEET FOR SAMPLE UNIT							SKETCH : 100 m  ,5 m			
1. Retak Buaya (m2)	. Retak Sambung (m)	15. Alur (m2)								
2. Kegemukan (m2)	9. Pinggir Jalan Turun Vertikal (m)	1 . Sungkur (m2)								
3. Retak Kotak/Blok (m2)	10. Retak memanjang/melintang (m)	17. Patah Slip (m2)								
4. Cekungan (m2)	11. Tambalan (m)	1 . Mengembang Jembul (m2)								
5. Keriting (m2)	12. Pengausan Agregat (m)	19. Pelepasan Butir (m2)								
. Amblas (m2)	13. Lubang (count)									
7. Retak Pinggir (m)	14. Perpotongan Rel (m2)									
STA	DISTRESS SEVERITY	QUANTITY (m/m2)						TOTAL (m)	DENSITY ( )	DEDUCT VALUE
1+200 s/d 1+300	7L	20	1				3		9	
	1M	10					10	2	2	
	15L	175					175	27	3	
	3M	94.5					95	15	20	
	11L	1					1	0.2	2	
<b>TOTAL DEDUCT VALUE</b>									<b>97</b>	


Tabel E.14. Formulir Survei PCI Sta 1+300 s/d Sta 1+400

AIRFIELD ASPHALT PAVEMENT SKETCH : CONDITION SURVEI DATA SHEET FOR SAMPLE UNIT								SKETCH : 100 m  ,5 m		
1. Retak Buaya (m2)	. Retak Sambung (m)	15. Alur (m2)								
2. Kegemukan (m2)	9. Pinggir Jalan Turun Vertikal (m)	1 . Sungkur (m2)								
3. Retak Kotak/Blok (m2)	10. Retak memanjang/melintang (m)	17. Patah Slip (m2)								
4. Cekungan (m2)	11. Tambalan (m)	1 . Mengembang Jambul (m2)								
5. Keriting (m2)	12. Pengausan Agregat (m)	19. Pelepasan Butir (m2)								
. Amblas (m2)	13. Lubang (count)									
7. Retak Pinggir (m)	14. Perpotongan Rel (m2)									
STA	DISTRESS SEVERITY	QUANTITY (m/m2)						TOTAL (m)	DENSITY ( )	DEDUCT VALUE
1+300 s/d 1+400	3M	0.5	52.5					133	20.5	22
	3L		52.50					52.5	.1	
	11M	3	1.5	3.5					1.2	9
	1H	4	7					11	1.7	35
	10L		50					50	7.7	15
	7M		20	20				40	.2	20
<b>TOTAL DEDUCT VALUE</b>										109

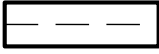
Tabel E.15. Formulir Survei PCI Sta 1+400 s/d Sta 1+500

AIRFIELD ASPHALT PAVEMENT SKETCH : CONDITION SURVEI DATA SHEET FOR SAMPLE UNIT								SKETCH : 100 m  ,5 m		
1. Retak Buaya (m2)	. Retak Sambung (m)	15. Alur (m2)								
2. Kegemukan (m2)	9. Pinggir Jalan Turun Vertikal (m)	1 . Sungkur (m2)								
3. Retak Kotak/Blok (m2)	10. Retak memanjang/melintang (m)	17. Patah Slip (m2)								
4. Cekungan (m2)	11. Tambalan (m)	1 . Mengembang Jambul (m2)								
5. Keriting (m2)	12. Pengausan Agregat (m)	19. Pelepasan Butir (m2)								
. Amblas (m2)	13. Lubang (count)									
7. Retak Pinggir (m)	14. Perpotongan Rel (m2)									
STA	DISTRESS SEVERITY	QUANTITY (m/m2)						TOTAL (m)	DENSITY ( )	DEDUCT VALUE
1+400 s/d 1+500	7H	15	9.5					25	4	2
	10L	9	7					7	12	29
	1M	350						350	54	
	<b>TOTAL DEDUCT VALUE</b>									

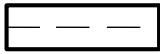
Tabel E.16. Formulir Survei PCI Sta 1+500 s/d Sta 1+600

AIRFIELD ASPHALT PAVEMENT SKETCH : CONDITION SURVEI DATA SHEET FOR SAMPLE UNIT								SKETCH :		
								100 m  ,5 m		
1. Retak Buaya (m2)		. Retak Sambung (m)		15. Alur (m2)						
2. Kegemukan (m2)		9. Pinggir Jalan Turun Vertikal (m)		1 . Sungkur (m2)						
3. Retak Kotak/Blok (m2)		10. Retak memanjang/melintang (m)		17. Patah Slip (m2)						
4. Cekungan (m2)		11. Tambalan (m)		1 . Mengembang Jambul (m2)						
5. Keriting (m2)		12. Pengausan Agregat (m)		19. Pelepasan Butir (m2)						
. Amblas (m2)		13. Lubang (count)								
7. Retak Pinggir (m)		14. Perpotongan Rel (m2)								
STA	DISTRESS SEVERITY	QUANTITY (m/m2)						TOTAL (m)	DENSITY ( )	DEDUCT VALUE
1+500 s/d 1+ 00	7M	20	20					40	.2	20
	1M	17.5						17.5	2.7	30
	11L	0.5						0.5	0.1	1
	11H	1						1	2.5	27
	<b>TOTAL DEDUCT VALUE</b>									


Tabel E.17. Formulir Survei PCI Sta 1+600 s/d Sta 1+700

AIRFIELD ASPHALT PAVEMENT SKETCH : CONDITION SURVEI DATA SHEET FOR SAMPLE UNIT								SKETCH :		
								100 m  ,5 m		
1. Retak Buaya (m2)		. Retak Sambung (m)		15. Alur (m2)						
2. Kegemukan (m2)		9. Pinggir Jalan Turun Vertikal (m)		1 . Sungkur (m2)						
3. Retak Kotak/Blok (m2)		10. Retak memanjang/melintang (m)		17. Patah Slip (m2)						
4. Cekungan (m2)		11. Tambalan (m)		1 . Mengembang Jambul (m2)						
5. Keriting (m2)		12. Pengausan Agregat (m)		19. Pelepasan Butir (m2)						
. Amblas (m2)		13. Lubang (count)								
7. Retak Pinggir (m)		14. Perpotongan Rel (m2)								
STA	DISTRESS SEVERITY	QUANTITY (m/m2)						TOTAL (m)	DENSITY ( )	DEDUCT VALUE
1+ 00 s/d 1+700	1L	94.5	94.5					1 9	29.1	4
	1M	154						154	23.7	5
	10L	13.5						13.5	2.1	
	15L	91						91	14	29
	<b>TOTAL DEDUCT VALUE</b>									

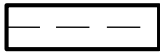
Tabel E.18. Formulir Survei PCI Sta 1+700 s/d Sta 1+800

AIRFIELD ASPHALT PAVEMENT SKETCH : CONDITION SURVEI DATA SHEET FOR SAMPLE UNIT								SKETCH : 100 m  ,5 m		
1. Retak Buaya (m2)		. Retak Sambung (m)		15. Alur (m2)						
2. Kegemukan (m2)		9. Pinggir Jalan Turun Vertikal (m)		1 . Sungkur (m2)						
3. Retak Kotak/Blok (m2)		10. Retak memanjang/melintang (m)		17. Patah Slip (m2)						
4. Cekungan (m2)		11. Tambalan (m)		1 . Mengembang Jambul (m2)						
5. Keriting (m2)		12. Pengausan Agregat (m)		19. Pelepasan Butir (m2)						
. Ambblas (m2)		13. Lubang (count)								
7. Retak Pinggir (m)		14. Perpotongan Rel (m2)								
STA	DISTRESS SEVERITY	QUANTITY (m/m2)						TOTAL (m)	DENSITY ( )	DEDUCT VALUE
1+700 s/d 1+ 00	7H	19					19	3	22	
	1H	13 .5					13 .5	21	71	
	1M	10.5					11	1.	23	
	11H	2	10.5				3 .5	5.9	39	
	11M	4.5					5	0.7		
	10M	7					7	1.1	9	
	10H	3	39				77	11.	2	
	15H	159.					1 0	24.	74	
<b>TOTAL DEDUCT VALUE</b>									<b>30</b>	

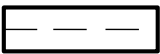
Tabel E.19. Formulir Survei PCI Sta 1+800 s/d Sta 1+900

AIRFIELD ASPHALT PAVEMENT SKETCH : CONDITION SURVEI DATA SHEET FOR SAMPLE UNIT								SKETCH : 100 m  ,5 m		
1. Retak Buaya (m2)		. Retak Sambung (m)		15. Alur (m2)						
2. Kegemukan (m2)		9. Pinggir Jalan Turun Vertikal (m)		1 . Sungkur (m2)						
3. Retak Kotak/Blok (m2)		10. Retak memanjang/melintang (m)		17. Patah Slip (m2)						
4. Cekungan (m2)		11. Tambalan (m)		1 . Mengembang Jambul (m2)						
5. Keriting (m2)		12. Pengausan Agregat (m)		19. Pelepasan Butir (m2)						
. Ambblas (m2)		13. Lubang (count)								
7. Retak Pinggir (m)		14. Perpotongan Rel (m2)								
STA	DISTRESS SEVERITY	QUANTITY (m/m2)						TOTAL (m)	DENSITY ( )	DEDUCT VALUE
1+ 00 s/d 1+900	7L	13					13	2	4	
	7M	20	14				34	5	27	
	1L	175					175	2 .9	43	
	3M	.5					7	10.2	1	
<b>TOTAL DEDUCT VALUE</b>									<b>92</b>	

Tabel E.20. Formulir Survei PCI Sta 1+900 s/d Sta 2+000

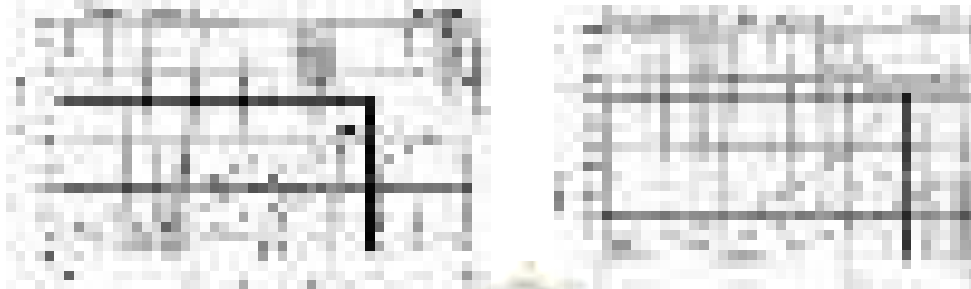
AIRFIELD ASPHALT PAVEMENT SKETCH : CONDITION SURVEI DATA SHEET FOR SAMPLE UNIT								SKETCH : 100 m  ,5 m		
1. Retak Buaya (m2)	. Retak Sambung (m)	15. Alur (m2)								
2. Kegemukan (m2)	9. Pinggir Jalan Turun Vertikal (m)	1 . Sungkur (m2)								
3. Retak Kotak/Blok (m2)	10. Retak memanjang/melintang (m)	17. Patah Slip (m2)								
4. Cekungan (m2)	11. Tambalan (m)	1 . Mengembang Jambul (m2)								
5. Keriting (m2)	12. Pengausan Agregat (m)	19. Pelepasan Butir (m2)								
. Amblas (m2)	13. Lubang (count)									
7. Retak Pinggir (m)	14. Perpotongan Rel (m2)									
STA	DISTRESS SEVERITY	QUANTITY (m/m2)						TOTAL (m)	DENSITY ( )	DEDUCT VALUE
1+900 s/d 2+000	7L	11					11	1.7	7	
	10M	9	24				33	5.1	22	
	3L	10.5					10.5	1.		
<b>TOTAL DEDUCT VALUE</b>									<b>37</b>	

Tabel E.21. Formulir Survei PCI Sta 2+000 s/d Sta 2+100

AIRFIELD ASPHALT PAVEMENT SKETCH : CONDITION SURVEI DATA SHEET FOR SAMPLE UNIT								SKETCH : 100 m  ,5 m		
1. Retak Buaya (m2)	. Retak Sambung (m)	15. Alur (m2)								
2. Kegemukan (m2)	9. Pinggir Jalan Turun Vertikal (m)	1 . Sungkur (m2)								
3. Retak Kotak/Blok (m2)	10. Retak memanjang/melintang (m)	17. Patah Slip (m2)								
4. Cekungan (m2)	11. Tambalan (m)	1 . Mengembang Jambul (m2)								
5. Keriting (m2)	12. Pengausan Agregat (m)	19. Pelepasan Butir (m2)								
. Amblas (m2)	13. Lubang (count)									
7. Retak Pinggir (m)	14. Perpotongan Rel (m2)									
STA	DISTRESS SEVERITY	QUANTITY (m/m2)						TOTAL (m)	DENSITY ( )	DEDUCT VALUE
2+000 s/d 2+100	1M	4	12	90			10	1 .31	52	
	<b>TOTAL DEDUCT VALUE</b>									<b>52</b>

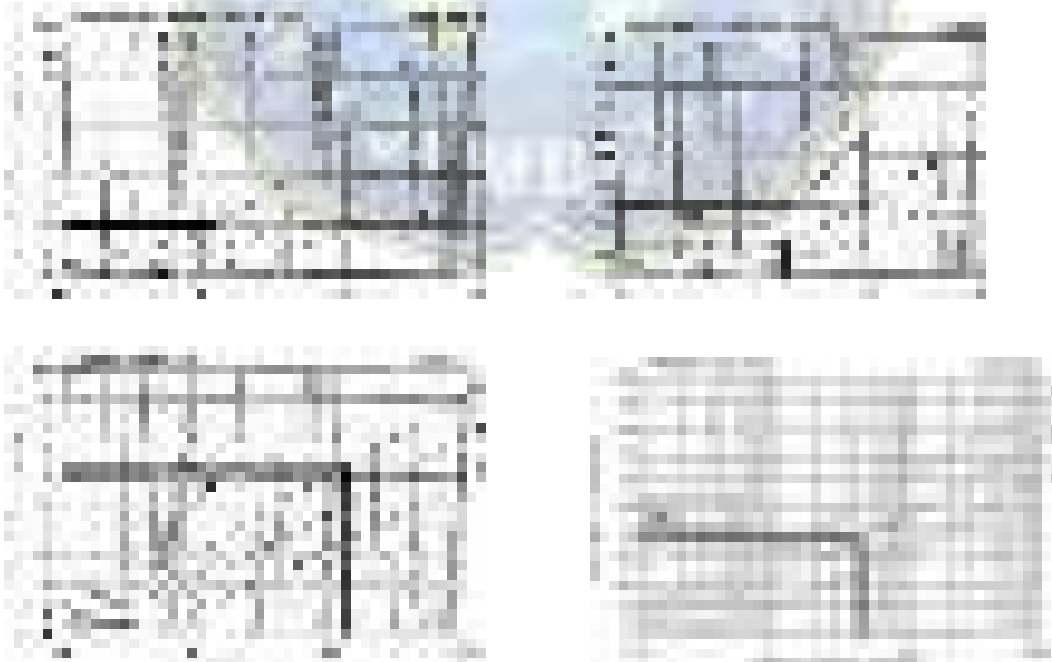
**LAMPIRAN F. Mencari Deduct Value (DV) yang berupa grafik jenis-jenis kerusakan**

**1. Mencari Deduct Value (DV) pada Sta 0+000 s/d Sta 0+100**



Gambar F.1. Grafik Retak buaya(H)=66, Grafik Tambalan(H)=71, & Grafik Retak Memanjang/Melintang(H)=35

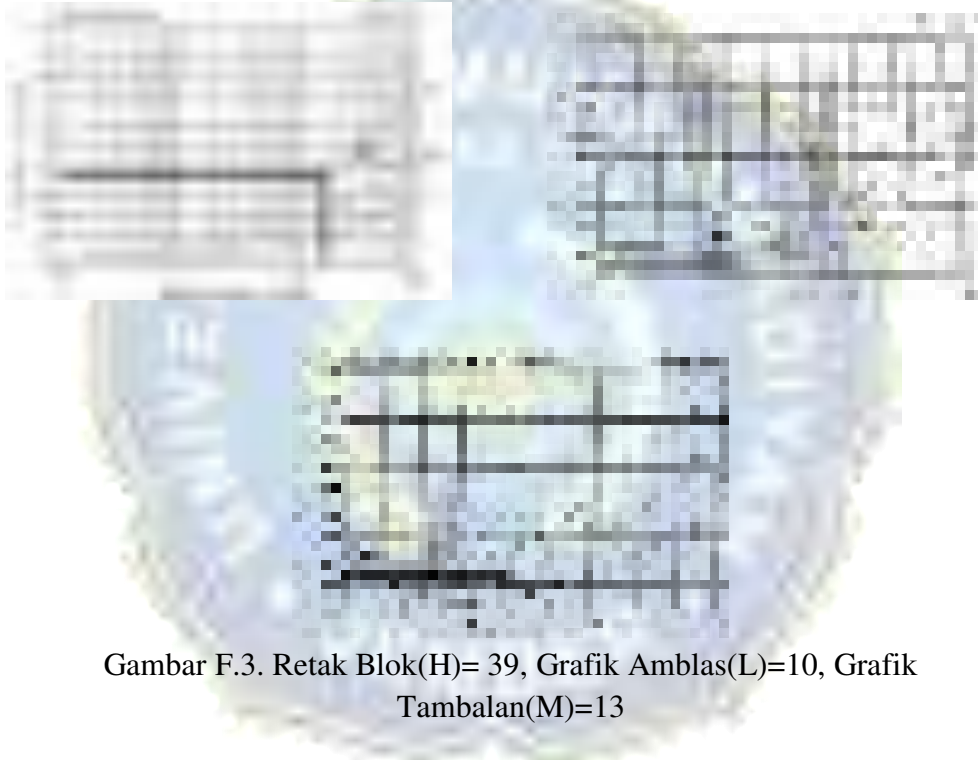
**2. Mencari Deduct Value (DV) pada Sta 0+100 s/d Sta 0+200**





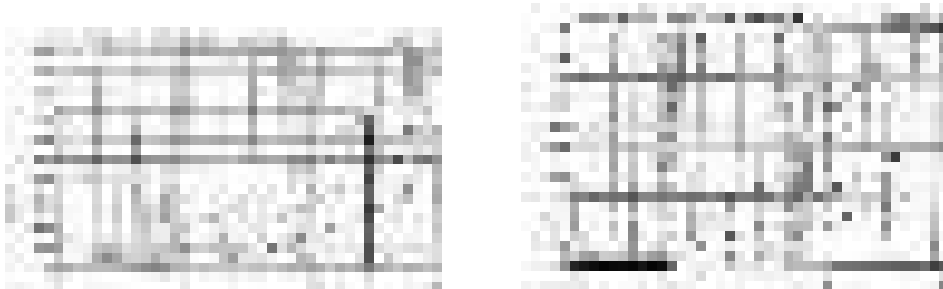
Gambar F.2. Grafik Memanjang/Melintang(H)=20, Grafik Memanjang/Melintang(M)=17, Grafik Retak Buaya(H)=74, Grafik Retak Buaya(M)=38, Retak Blok(H)=17, & Retak Blok(M)=18

### 3. Mencari Deduct Value (DV) pada Sta 0+200 s/d Sta 0+300

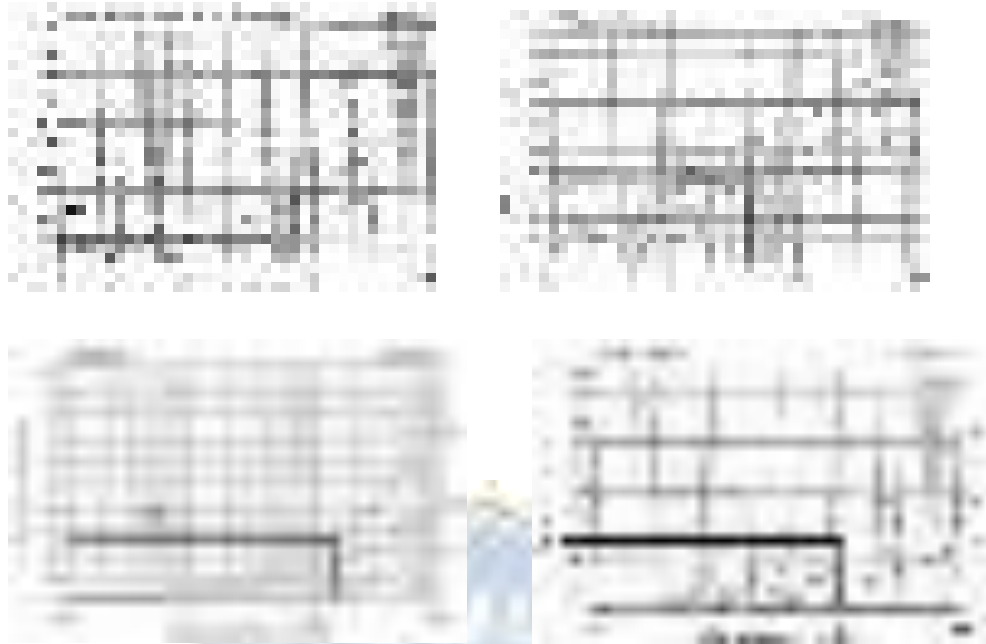


Gambar F.3. Retak Blok(H)= 39, Grafik Amblas(L)=10, Grafik Tambalan(M)=13

### 4. Mencari Deduct Value (DV) pada Sta 0+300 s/d Sta 0+400







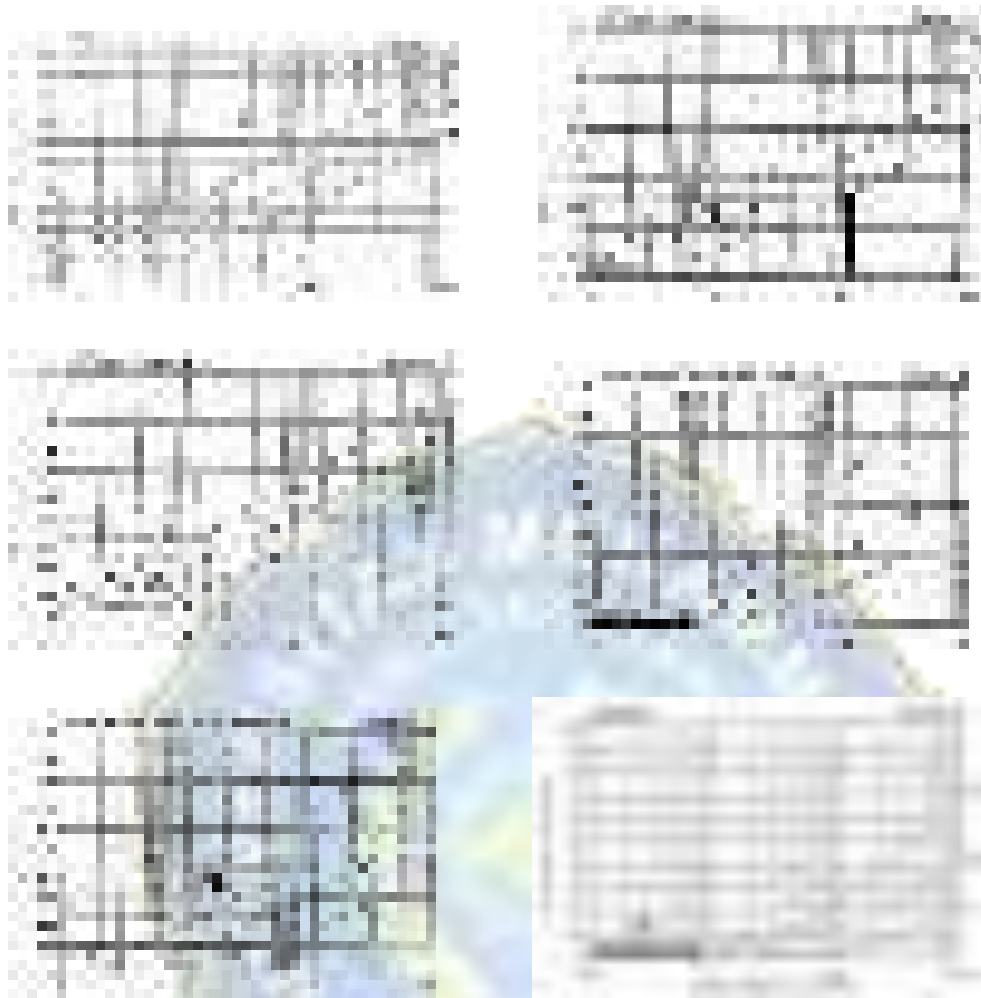
Gambar F.4. Grafik Tambalan(H)=72, Grafik Retak Memanjang/melintang(L)=1, Grafik Retak Buaya(M)=37, Grafik Kegemukan(H)=28, Grafik Retak Blok(H)=9

**5. Mencari Deduct Value (DV) pada Sta 0+400 s/d Sta 0+500**



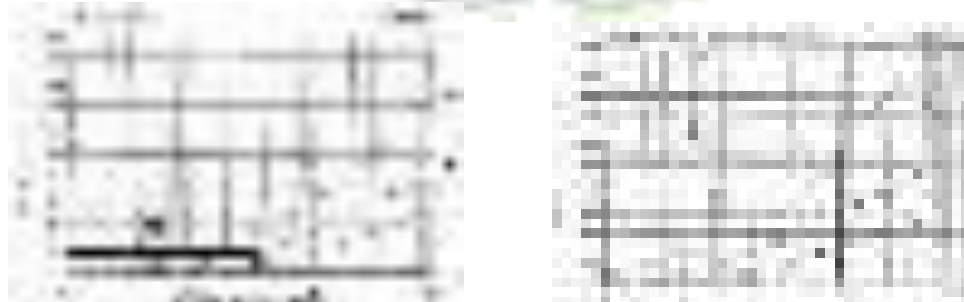
Gambar F.5. Grafik Retak Buaya(H)=38, Grafik Retak Buaya(L)=25, Grafik Memanjang/Melintang(M)=14

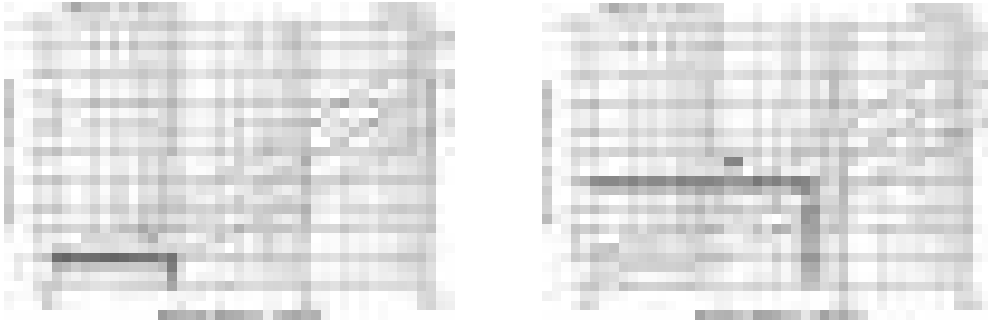
**6. Mencari Deduct Value (DV) pada Sta 0+500 s/d Sta 0+600**



Gambar F.6. Grafik Retak Buaya(M)=62, Grafik Retak Buaya(L)=34, Grafik Retak Buaya(H)=33, Grafik Memanjang/Melintang(L)=2, Grafik Memanjang/Melintang(M)=23, Grafik Kegemukan(H)=4

**7. Mencari Deduct Value (DV) pada Sta 0+600 s/d Sta 0+700**





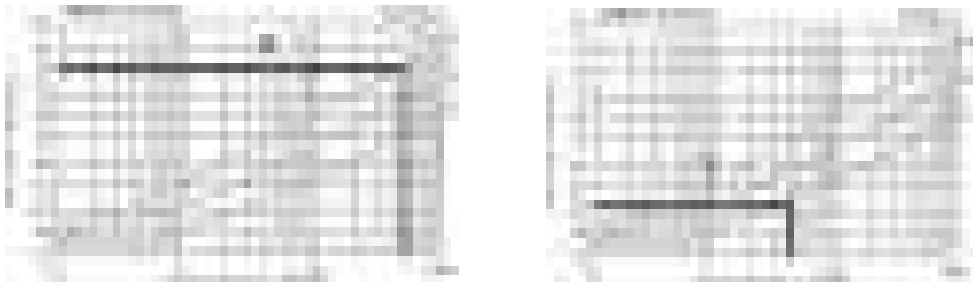
Gambar F.7. Grafik =Retak Blok(M)=8, Grafik Retak Memanjang/Melintang(H)=57, Grafik Retak Buaya(L)=9, Grafik Retak Buaya(M)=38, Grafik Retak Buaya(H)=66

**8. Mencari Deduct Value (DV) pada Sta 0+700 s/d Sta 0+800**



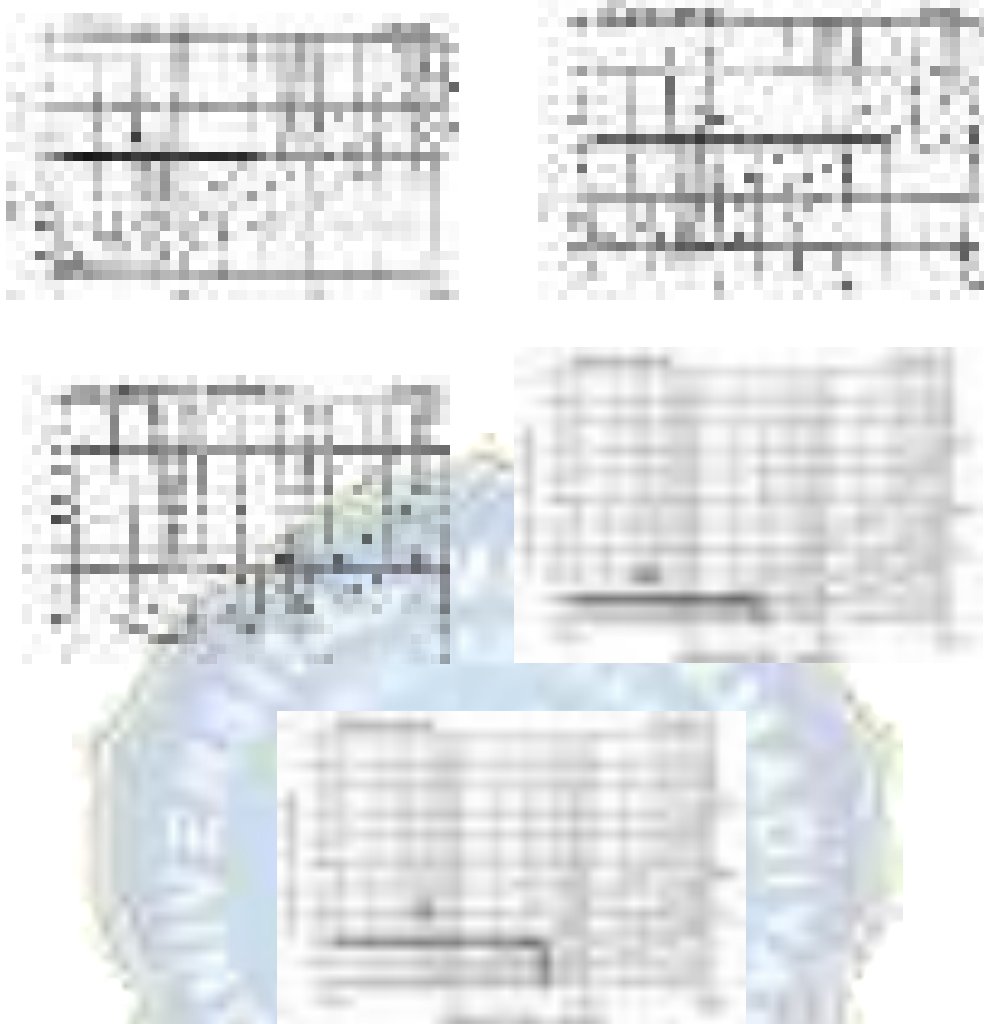
Gambar F.8. Grafik Retak Buaya(M)=43, Grafik Retak Buaya(L)=31

**9. Mencari Deduct Value (DV) pada Sta 0+800 s/d Sta 0+900**



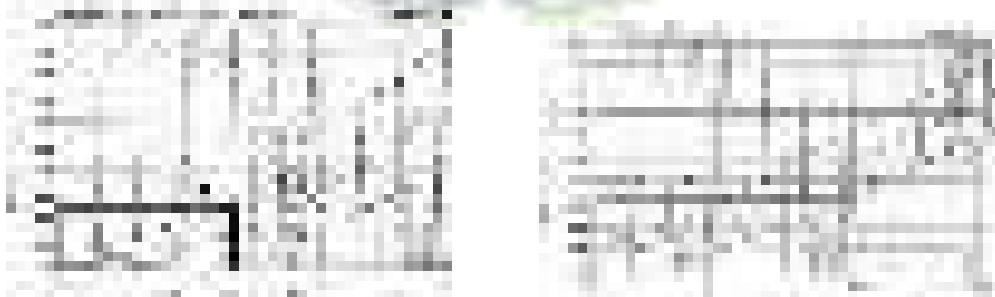
Gambar F.9. Grafik Retak Buaya(L)=23, Grafik Retak Buaya(H)=80

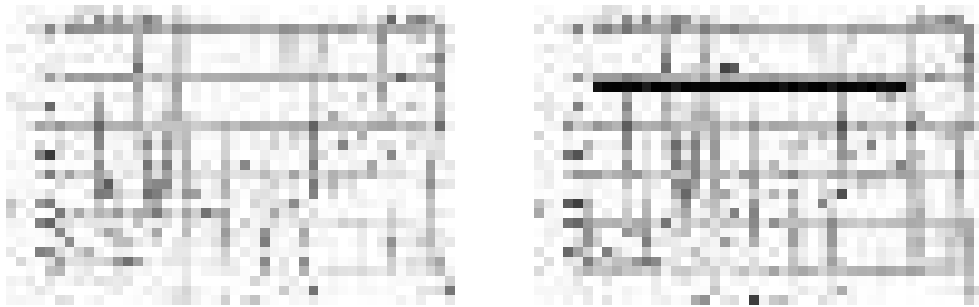
### 10. Mencari Deduct Value (DV) pada Sta 0+900 s/d Sta 1+000



Gambar F.10. Grafik Retak Buaya(H)=49, Grafik Retak Buaya(M)=52, Grafik Tambalan(H)=40, Grafik Tambalan(M)=9, Grafik Retak Blok(M)=19, Grafik Retak Blok(H)=19

### 11. Mencari Deduct Value (DV) pada Sta 1+000 s/d Sta 1+100





Gambar F.11. Grafik Tambalan(H)=26, Grafik Retak Buaya(L)=32, Grafik Retak Buaya(M)=27, Grafik Retak Buaya(M)=77, Grafik Retak Memanjang/Melintang(L)=2

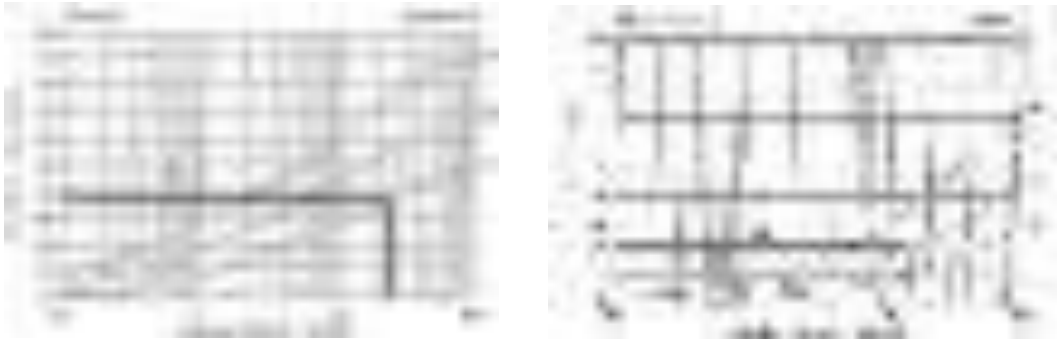
**12. Mencari Deduct Value (DV) pada Sta 1+100 s/d Sta 1+200**



Gambar F.12. Grafik Retak Buaya(L)=64, Grafik Retak Buaya(H)=49

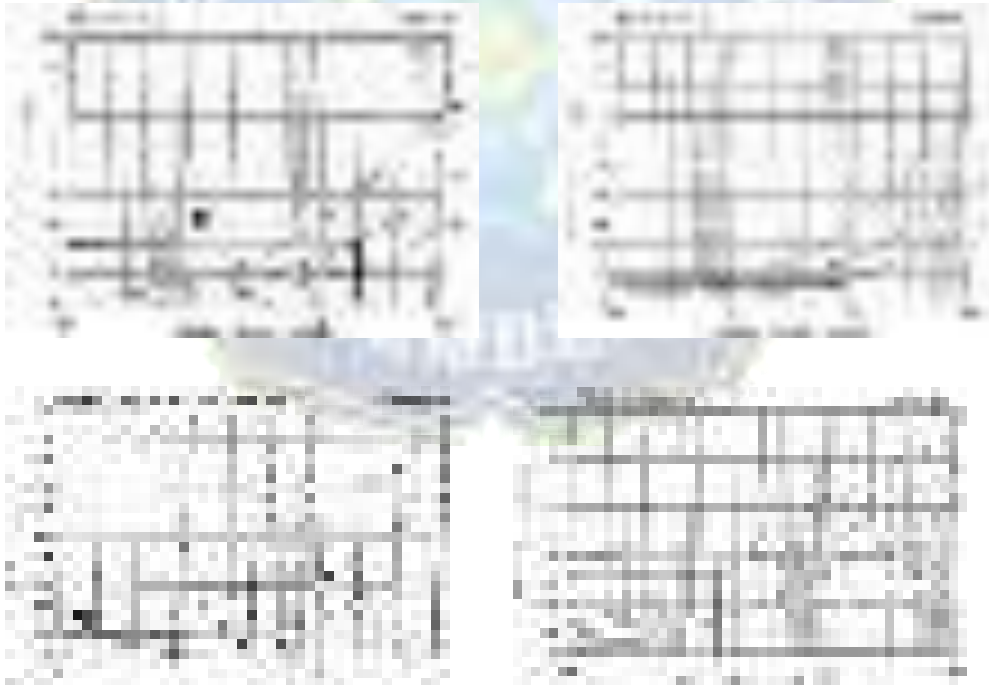
**13. Mencari Deduct Value (DV) pada Sta 1+200 s/d Sta 1+300**

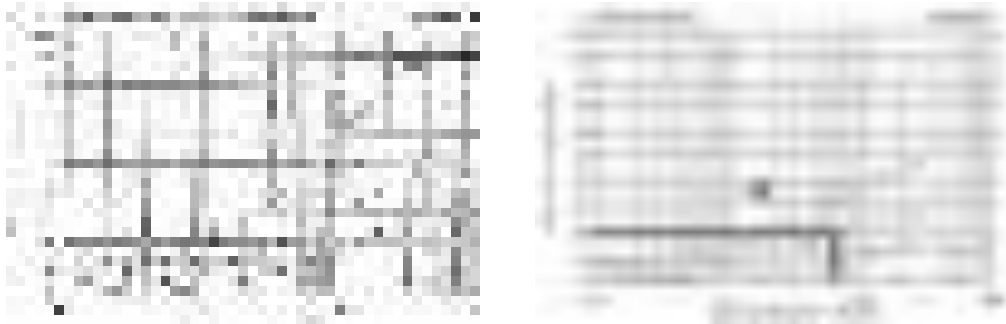




Gambar F.13. Grafik Retak Pinggir(L)=9, Grafik Retak Buaya(M)=28, Grafik Alur(L)=38, Grafik Retak Blok(M)=20, Tambalan(L)=2

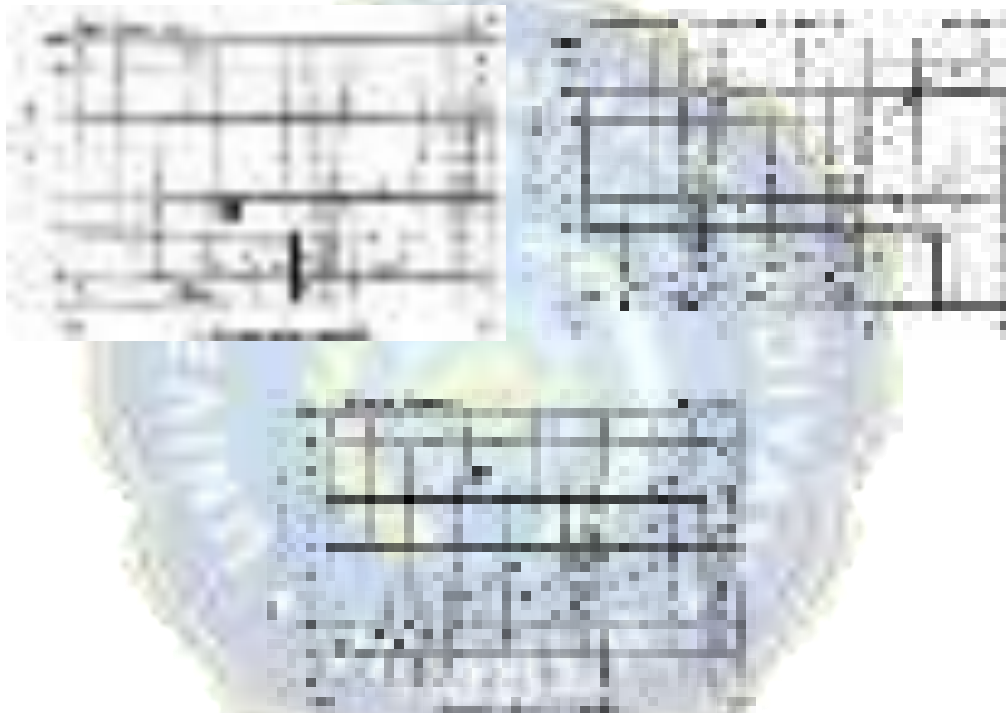
#### 14. Mencari Deduct Value (DV) pada Sta 1+300 s/d Sta 1+400





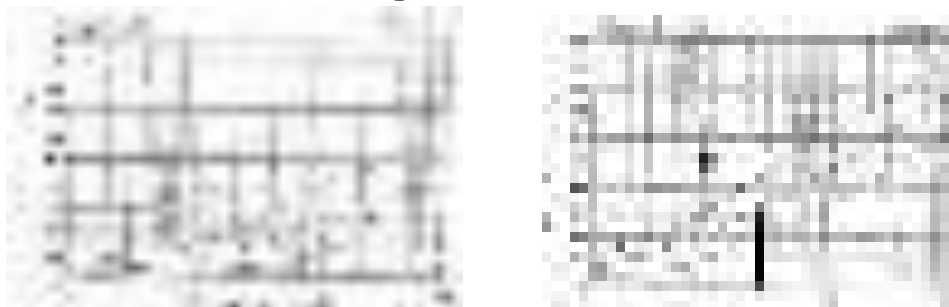
Gambar F.14. Grafik Retak Blok(M)=22, Grafik Retak Blok(L)=8, Grafik Tambalan(M)=9, Grafik Retak Buaya(H)=35, Grafik Memanjang/Melintang(L)=15, Grafik Retak Pinggir(M)=20

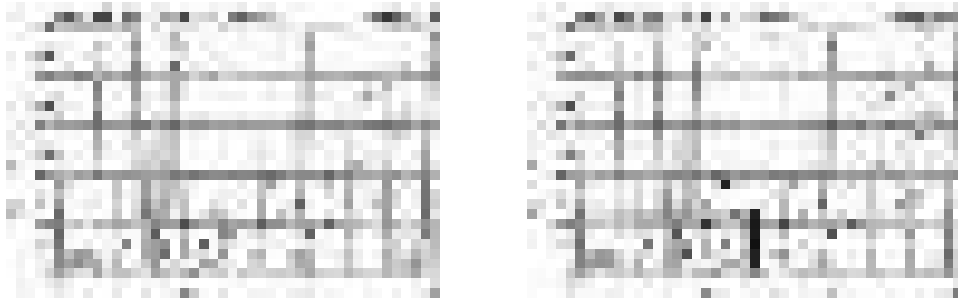
**15. Mencari Deduct Value (DV) pada Sta 1+400 s/d Sta 1+500**



Gambar F.15. Grafik Retak Pinggir(H)=28, Grafik Memanjang/Melintang(L)=29, Grafik Retak Buaya(M)=68

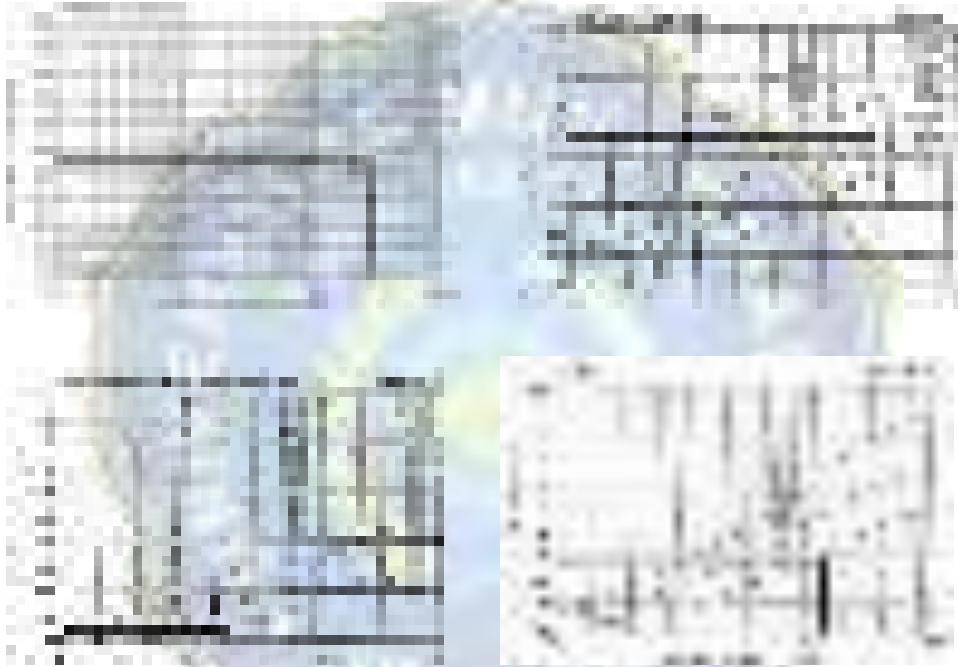
**16. Mencari Deduct Value (DV) pada Sta 1+500 s/d Sta 1+600**





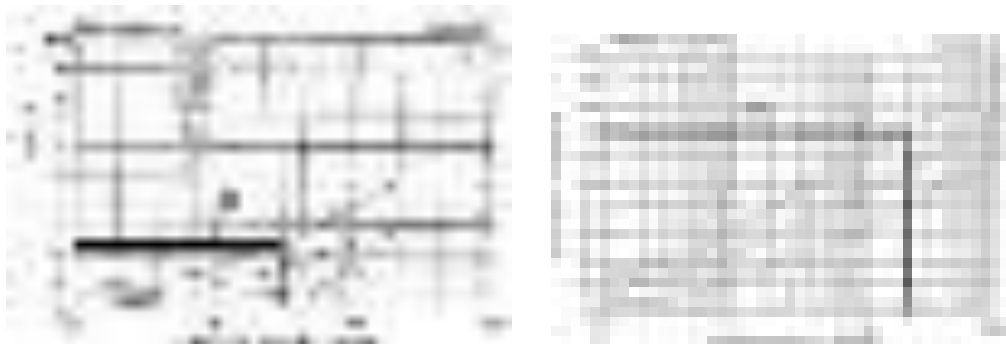
Gambar F.16. Grafik Retak Pinggir(M)=20, Grafik Retak Buaya(M)=30, Grafik Retak Memanjang/Melintang(L)=1, Grafik Retak Memanjang/Melintang(H)=27

### 17. Mencari Deduct Value (DV) pada Sta 1+600 s/d Sta 1+700

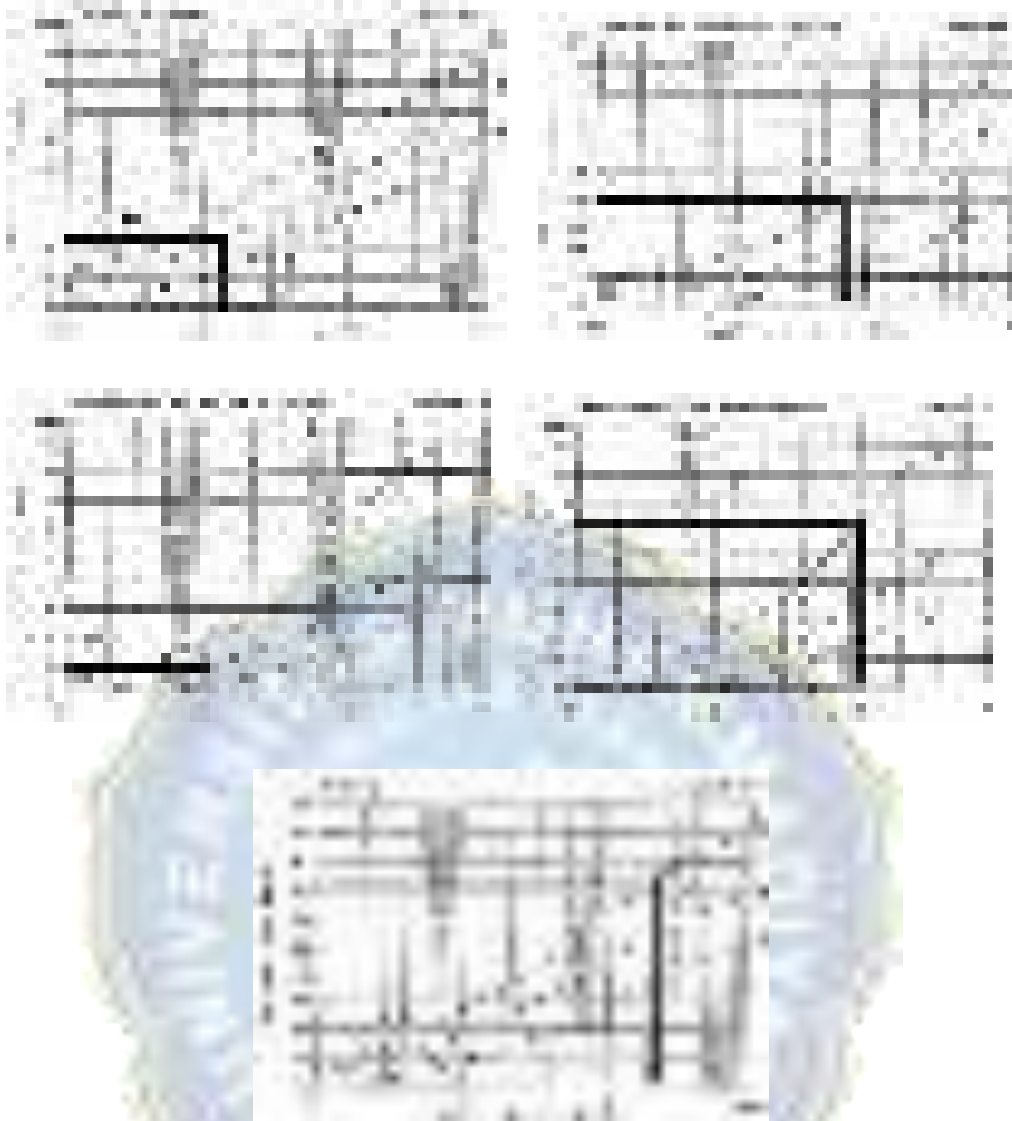


Gambar F.17. Grafik Retak Buaya(L)=46, Grafik Retak Buaya(M)=58, Grafik Retak Memanjang/Melintang(L)=6, Grafik Alur(L)=29

### 18. Mencari Deduct Value (DV) pada Sta 1+700 s/d Sta 1+800



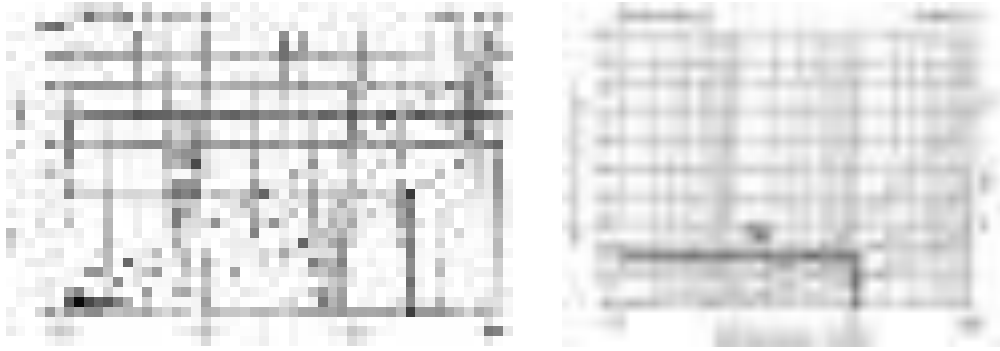




Gambar F.18. Grafik Retak Pinggir(H)=22, Grafik Retak Buaya(H)=71, Grafik Retak Buaya(M)=23, Grafik Tambalan(H)=39, Grafik Tambalan(M)=8, Grafik Retak Memanjang/Melintang(M)=9, Grafik Retak Memanjang/Melintang(H)=62, Grafik Alur(H)=74

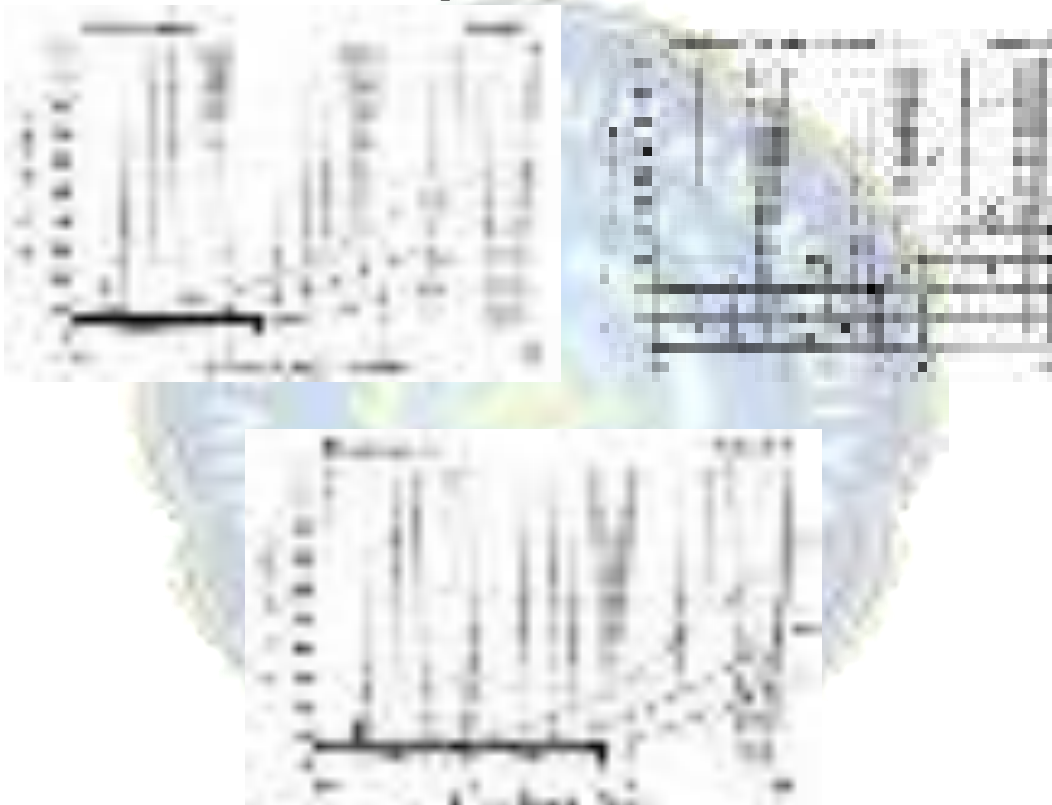
### 19. Mencari Deduct Value (DV) pada Sta 1+800 s/d Sta 1+900



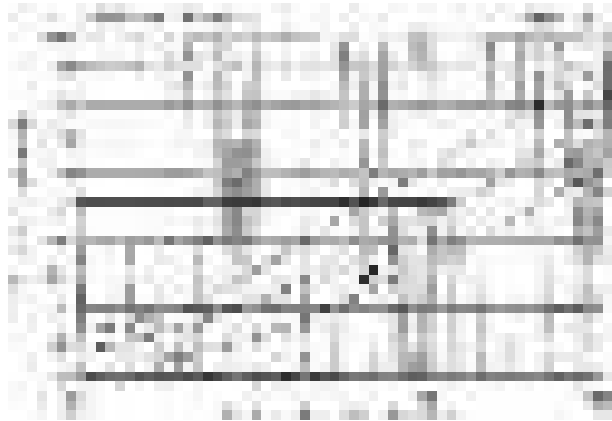


Gambar F.19. Grafik Retak Pinggir(L)=4, Grafik Retak Pinggir(M)=27,  
Grafik Retak Buaya(L)=43, Grafik Retak Blok(M)=18

#### 20. Mencari Deduct Value (DV) pada Sta 1+900 s/d Sta 2+000



Gambar F.20. Grafik Retak Pinggir(L)=7, Grafik Retak  
Memanjang/Melintang(M)=22, Grafik Retak Blok(L)=8

**21. Mencari Deduct Value (DV) pada Sta 2+000 s/d Sta 2+100**

Gambar F.21. Grafik Retak Buaya(M)=52



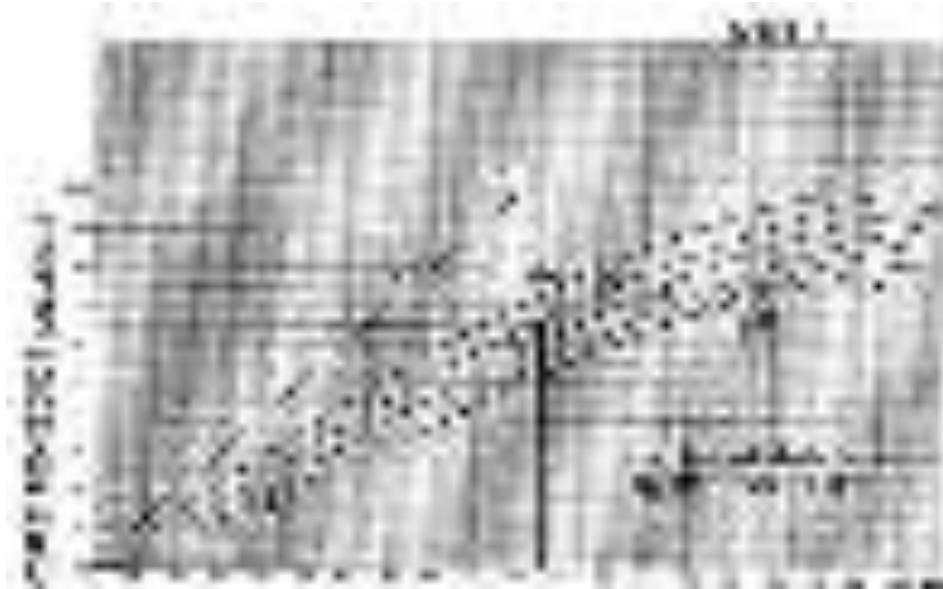
**LAMPIRAN G. Mencari Nilai pengurangan terkoreksi Corrected Deduct Value (CDV)**

Tabel G.1. Perhitungan Corrected Deduct Value setiap segmen

no	STA	DEDUCT VALUE						TDV	q	CDV	PCI (100-CDV)	
1	0+000 s/d 0+100		71	35				172	3	5	35	
2	0+100 s/d 0+200	20	17	74	3	17	1	4		74	2	
3	0+200 s/d 0+300	39	10	13				2	3	3	2	
4	0+300 s/d 0+400	72	1		37	2		14	4	7	22	
5	0+400 s/d 0+500	3	25	14				77	3	41	59	
	0+500 s/d 0+ 00	2	34	33	2	23	4	15	4		14	
7	0+ 00 s/d 0+700		57	9	3			17	5	91	9	
	0+700 s/d 0+ 00	43	31					74	2	4	3	
9	0+ 00 s/d 0+900	23	0					103	2	71	29	
10	0+900 s/d 1+000	49	52	40	9	19	19	1		4	1	
11	1+000 s/d 1+100	2	32	27	77	2		1	4	4	94	
12	1+100 s/d 1+200	4	49					113	2	75	25	
13	1+200 s/d 1+300	9	2	3	20	2		97	4	4	3	
14	1+300 s/d 1+400	22		9	35	15	20	109		57	43	
15	1+400 s/d 1+500	2	29					125	3	2	1	
1	1+500 s/d 1+ 00	20	30	1	27			7	3	54	4	
17	1+ 00 s/d 1+700	4	5		29			139	4	2	1	
1	1+700 s/d 1+ 00	22	71	23	39		9	2	74	30	1	19
19	1+ 00 s/d 1+900	4	27	43	1			92	3	59	41	
20	1+900 s/d 2+000	7	22					37	3	22	7	
21	2+000 s/d 2+100	52						52	1	50	50	

**LAMPIRAN H. Mencari Nilai Corrected Deduct Value (CDV) melalui Grafik  
CDV**

**1. Mencari Nilai CDV Sta 0+000 s/d 0+100**

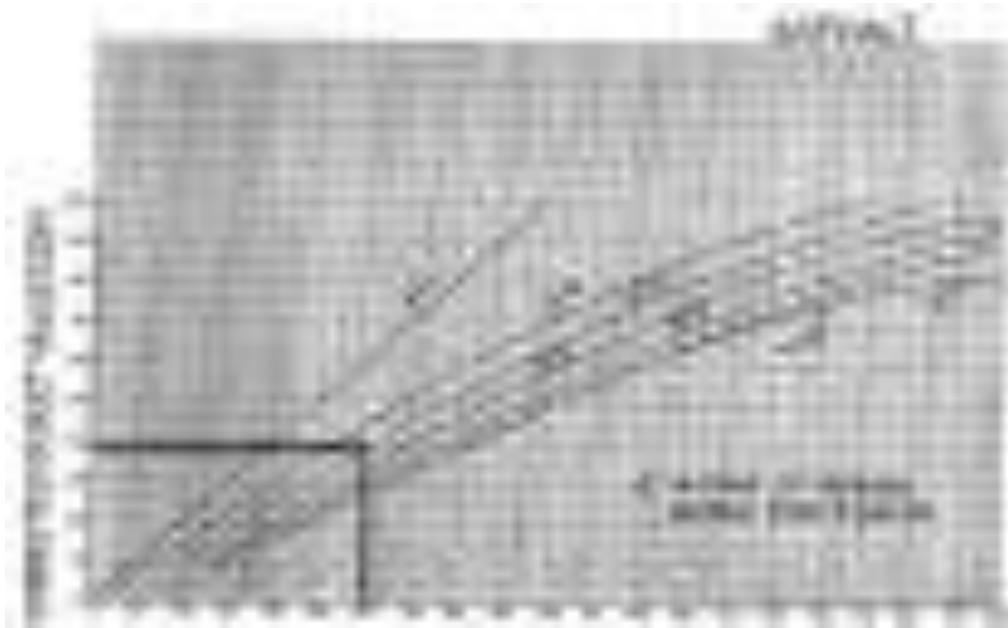


Gambar H.1. Grafik Corrected Deduct Value Sta 0+000 s/d 0+100 = (65)

**2. Mencari Nilai CDV Sta 0+100 s/d 0+200**



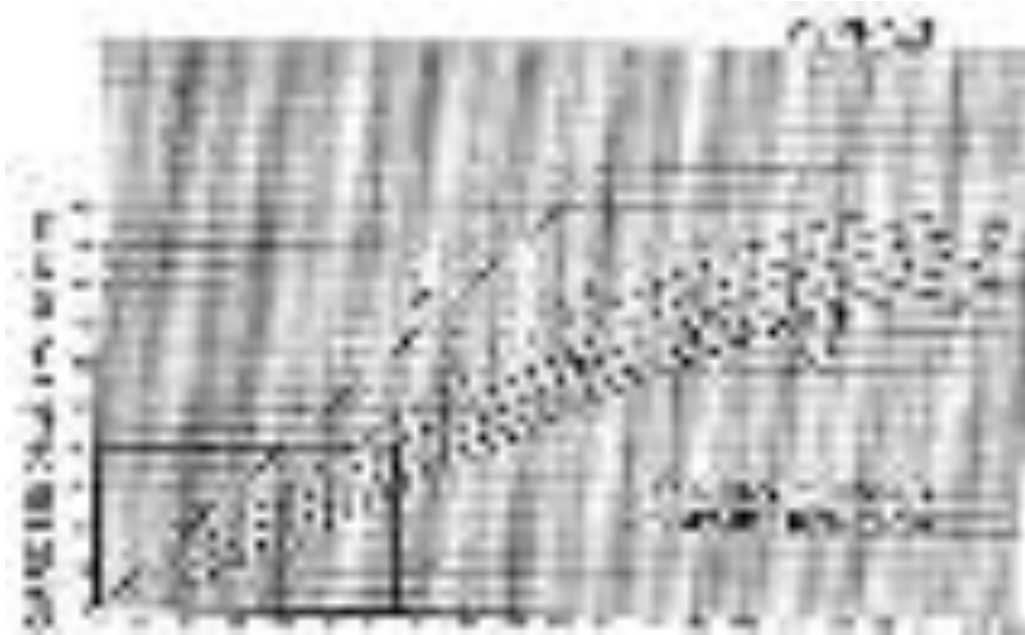
Gambar H.2. Grafik Corrected Deduct Value Sta 0+100 s/d 0+200 = (74)

**3. Mencari Nilai CDV Sta 0+200 s/d 0+300**

Gambar H.3. Grafik Corrected Deduct Value Sta 0+200 s/d 0+300 = (38)

**4. Mencari Nilai CDV Sta 0+300 s/d 0+400**

Gambar H.4. Grafik Corrected Deduct Value Sta 0+300 s/d 0+400 = (78)

**5. Mencari Nilai CDV Sta 0+400 s/d 0+500**

Gambar H.5. Grafik Corrected Deduct Value Sta 0+400 s/d 0+500 = (41)

**6. Mencari Nilai CDV Sta 0+500 s/d 0+600**

Gambar H.6. Grafik Corrected Deduct Value Sta 0+500 s/d 0+600 = (86)

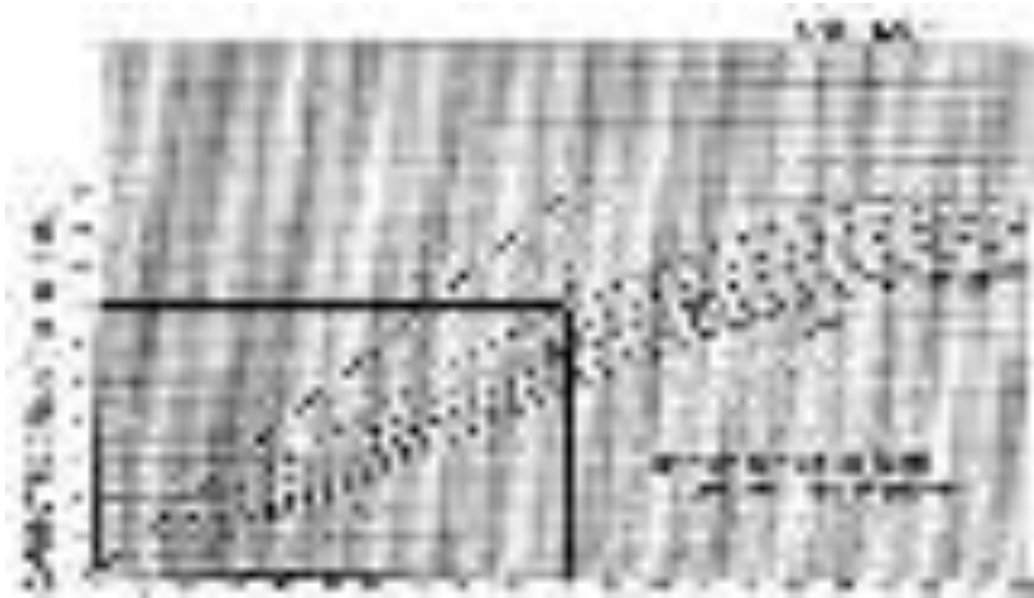
**7. Mencari Nilai CDV Sta 0+600 s/d 0+700**

Gambar H.7. Grafik Corrected Deduct Value Sta 0+600 s/d 0+700 = (91)

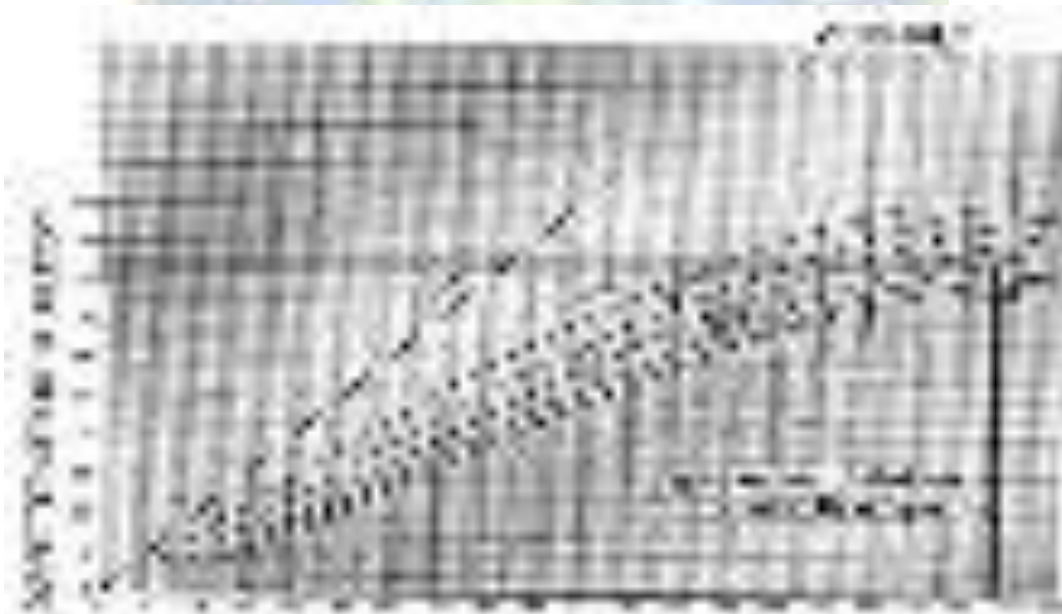
**8. Mencari Nilai CDV Sta 0+700 s/d 0+800**

Gambar H.8. Grafik Corrected Deduct Value Sta 0+700 s/d 0+800 = (64)



**9. Mencari Nilai CDV Sta 0+800 s/d 0+900**

Gambar H.9. Grafik Corrected Deduct Value Sta 0+800 s/d 0+900 = (71)

**10. Mencari Nilai CDV Sta 0+900 s/d 1+000**

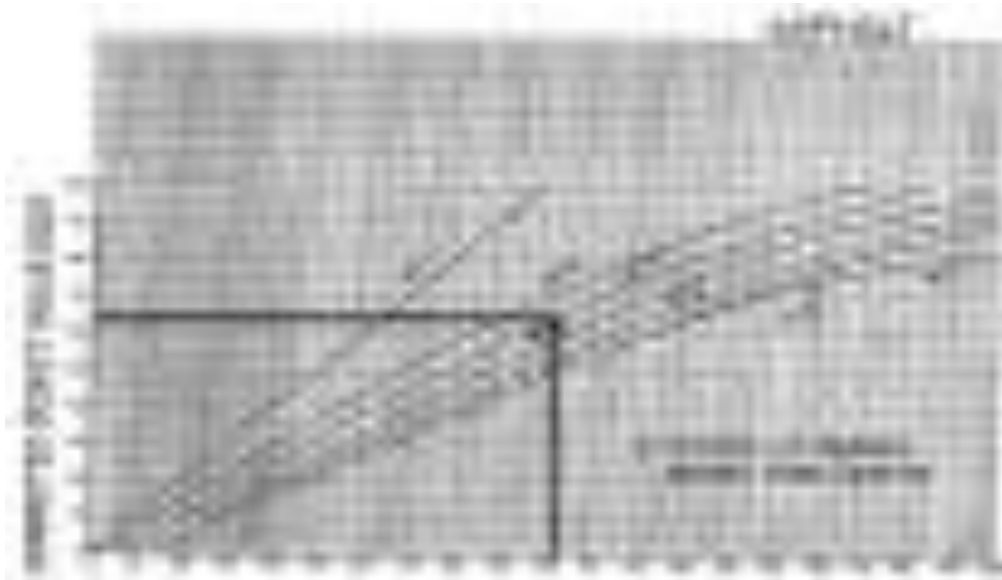
Gambar H.10. Grafik Corrected Deduct Value Sta 0+900 s/d 1+000 = (84)

**11. Mencari Nilai CDV Sta 1+000 s/d 1+100**

Gambar H.11. Grafik Corrected Deduct Value Sta 1+000 s/d 1+100 = (94)

**12. Mencari Nilai CDV Sta 1+100 s/d 1+200**

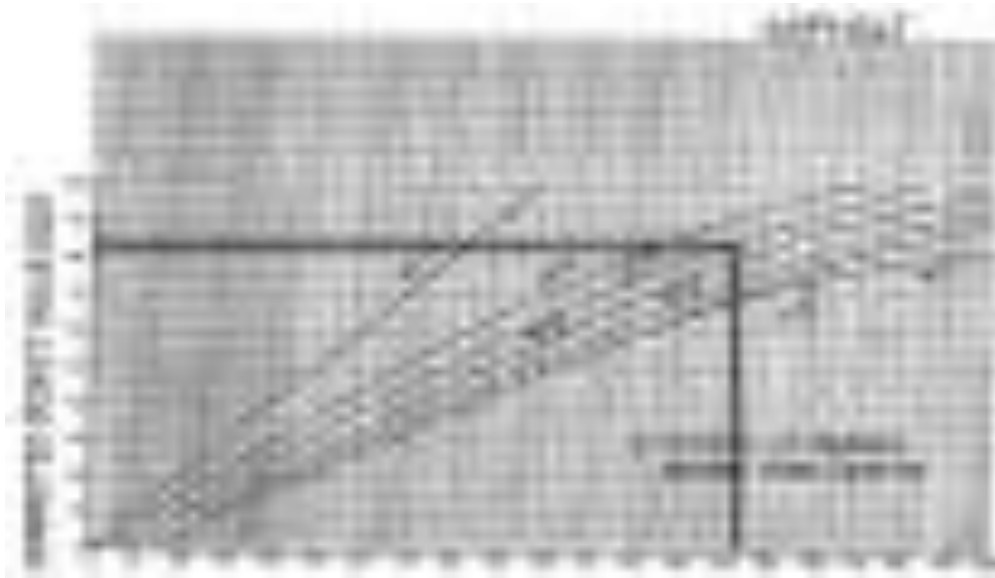
Gambar H.12. Grafik Corrected Deduct Value Sta 1+100 s/d 1+200 = (75)

**13. Mencari Nilai CDV Sta 1+200 s/d 1+300**

Gambar H.13. Grafik Corrected Deduct Value Sta 1+200 s/d 1+300 = (64)

**14. Mencari Nilai CDV Sta 1+300 s/d 1+400**

Gambar H.14. Grafik Corrected Deduct Value Sta 1+300 s/d 1+400 = (57)

**15. Mencari Nilai CDV Sta 1+400 s/d 1+500**

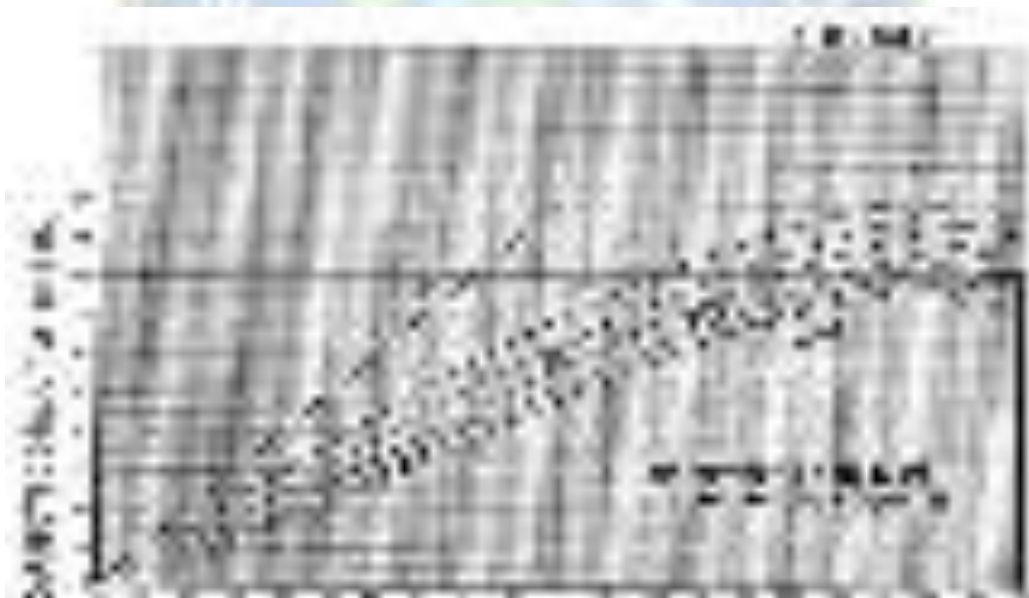
Gambar H.15. Grafik Corrected Deduct Value Sta 1+400 s/d 1+500 = (82)

**16. Mencari Nilai CDV Sta 1+500 s/d 1+600**

Gambar H.16. Grafik Corrected Deduct Value Sta 1+500 s/d 1+600 = (54)

**17. Mencari Nilai CDV Sta 1+600 s/d 1+700**

Gambar H.17. Grafik Corrected Deduct Value Sta 1+600 s/d 1+700 = (82)

**18. Mencari Nilai CDV Sta 1+700 s/d 1+800**

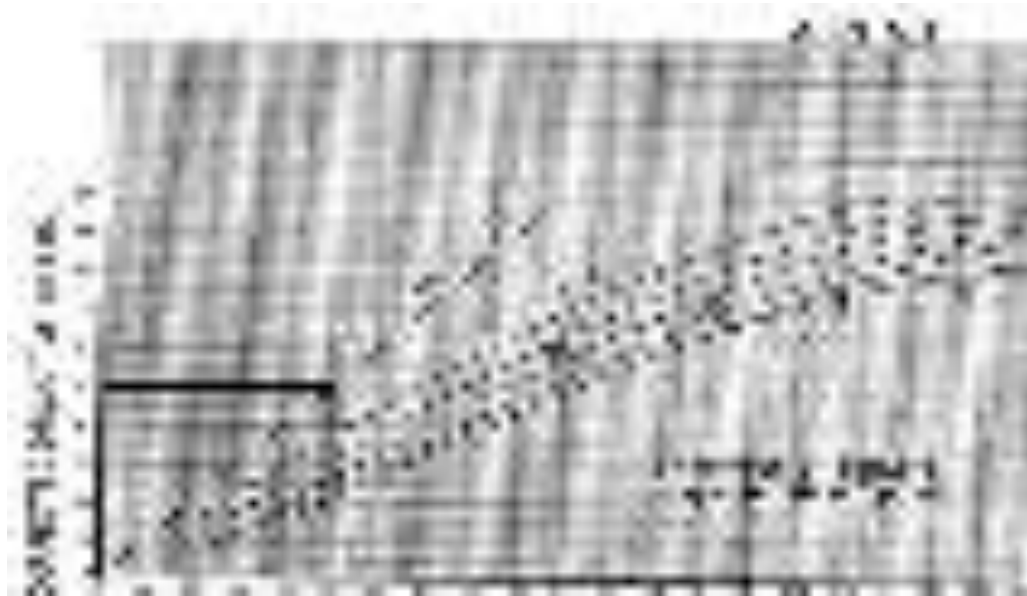
Gambar H.18. Grafik Corrected Deduct Value Sta 1+700 s/d 1+800 = (81)

**19. Mencari Nilai CDV Sta 1+800 s/d 1+900**

Gambar H.19. Grafik Corrected Deduct Value Sta 1+800 s/d 1+900 = (59)

**20. Mencari Nilai CDV Sta 1+900 s/d 2+000**

Gambar H.20. Grafik Corrected Deduct Value Sta 1+900 s/d 2+000 = (22)

**21. Mencari Nilai CDV Sta 2+000 s/d 2+100**

Gambar H.21. Grafik Corrected Deduct Value Sta 2+000 s/d 2+100 = (50)



**LAMPIRAN I. Gambar beberapa kerusakan Jalan 2,1 km Pada Ruas Jalan  
M.H. Thamrin Kec. Ajung Kab. Jember**

**1. Gambar kerusakan jalan pada Sta. 0+000 s/d Sta. 0+100**



Gambar I.1. Retak Kulit Buaya (High)



Gambar I.2. Tambalan (High)



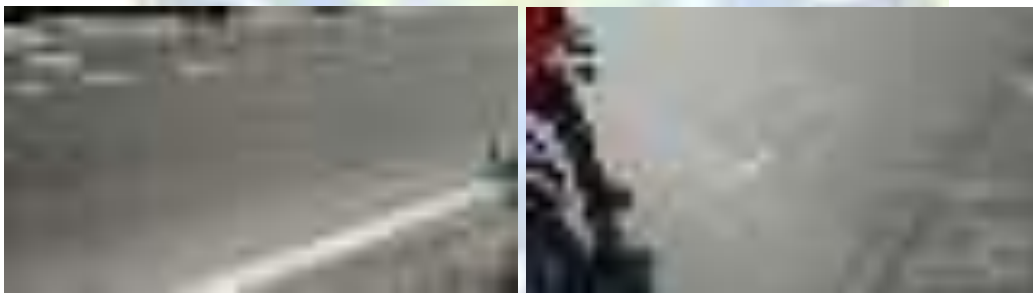


Gambar I.3. Retak Memanjang/Melintang (High)

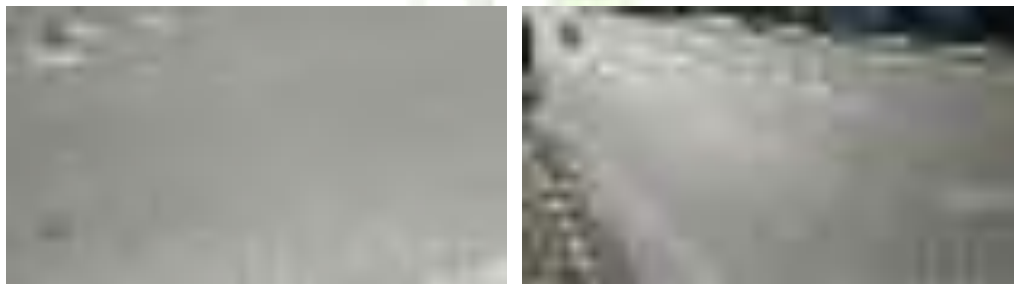
**2. Gambar kerusakan jalan pada Sta. 0+100 s/d Sta. 0+200**



Gambar I.4. Retak Buaya (Medium) dan Retak Buaya (High)



Gambar I.5. Retak Melintang (Medium), Retak Memanjang (Medium)



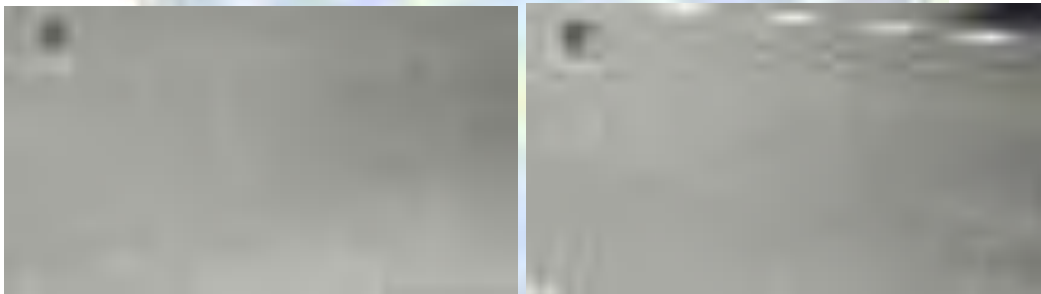
Gambar I.6. Retak Blok (Medium), Retak Blok (High)

**3. Gambar kerusakan jalan pada Sta. 0+200 s/d Sta. 0+300**

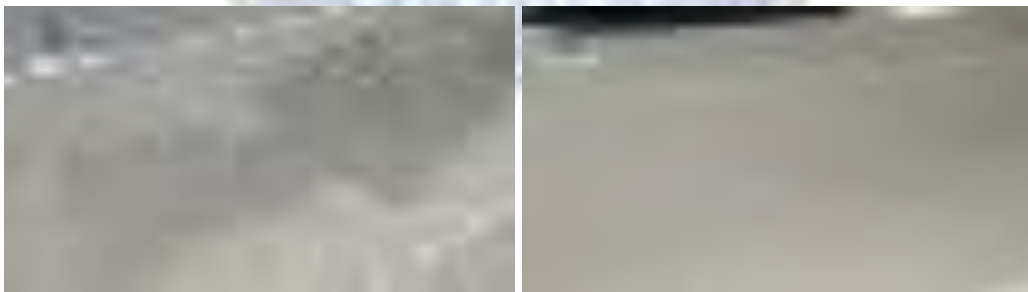


Gambar I.7. Retak Blok (High, Amblas (Low) & Tambalan (Medium)

**4. Gambar kerusakan jalan pada Sta. 0+300 s/d Sta. 0+400**



Gambar I.8. Retak Melintang (Low) dan Retak Melintang (Medium)



Gambar I.9. Tambalan (High) & Retak Blok (High)



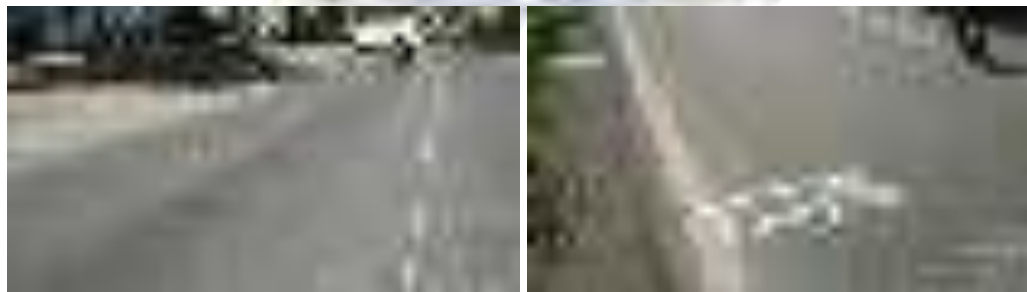
Gambar I.10. Retak Buaya (Medium), Kegemukan (High)

**5. Gambar kerusakan jalan pada Sta. 0+400 s/d Sta. 0+500**



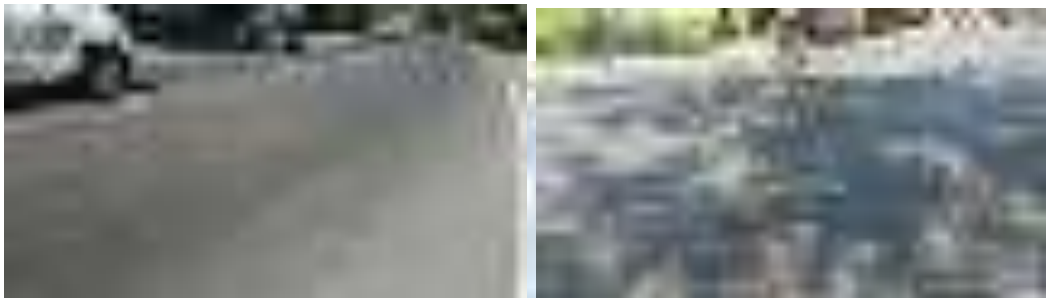
Gambar I.11. Retak Buaya (Low), Retak Buaya (High), & Retak Melintang (Medium)

**6. Gambar kerusakan jalan pada Sta. 0+500 s/d Sta. 0+600**



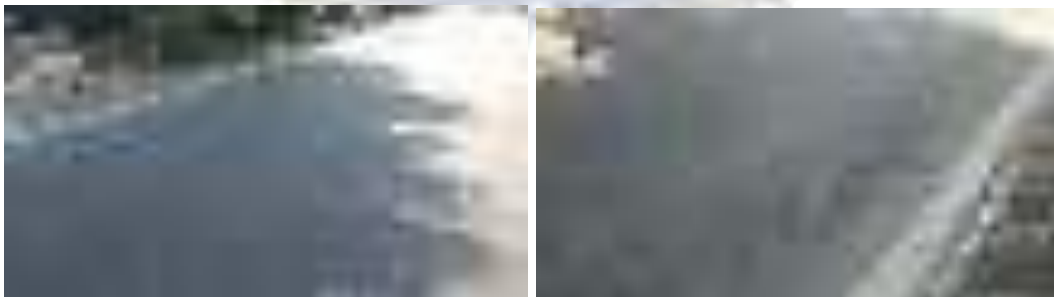


Gambar I.12. Retak Kulit Buaya (Low), Retak Kulit Buaya (Medium), & Retak Kulit Buaya (High)



Gambar I.13. Retak Memanjang (Low), Retak Memanjang (Medium), & Kegermukan (High)

**7. Gambar kerusakan jalan pada Sta. 0+600 s/d Sta. 0+700**

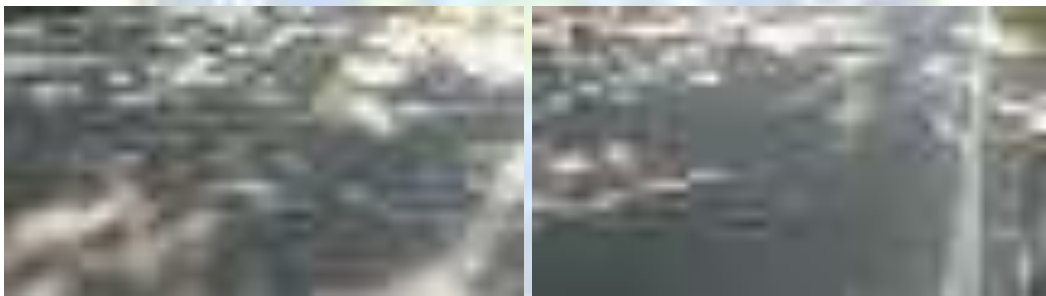


Gambar I.14. Retak Blok (Medium), Retak Memanjang (High)



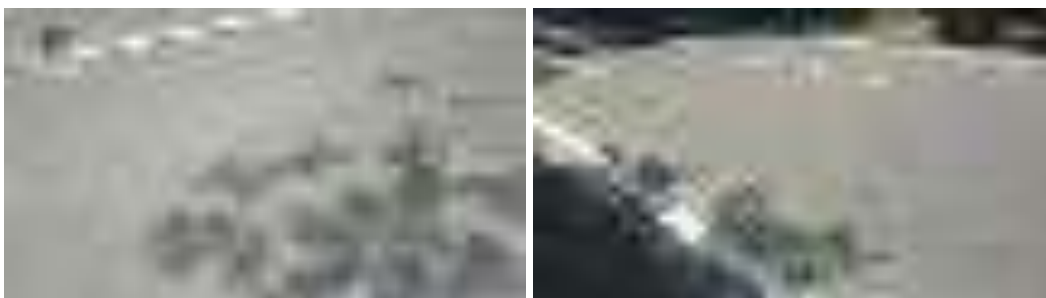
Gambar I.15. Retak Kulit Buaya (Low), Retak Kulit Buaya (Medium), & Retak Kulit Buaya (High)

**8. Gambar kerusakan jalan pada Sta. 0+700 s/d Sta. 0+800**



Gambar I.16. Retak Kulit Buaya (Low) & Retak Kulit Buaya (Medium)

**9. Gambar kerusakan jalan pada Sta. 0+800 s/d Sta. 0+900**



Gambar I.17. Retak Kulit Buaya (Low) & Retak Kulit Buaya (High)

**10. Gambar kerusakan jalan pada Sta. 0+900 s/d Sta. 1+000**



Gambar I.18. Retak Buaya (Medium) dan Retak Buaya (High)

**11. Gambar kerusakan jalan pada Sta. 1+000 s/d Sta. 1+100**



Gambar I.19. Tambalan (High), Retak Buaya (Low), & Retak Buaya (Medium)



Gambar I.20. Retak Buaya (High) & Retak Melintang/Memanjang (Low)

**12. Gambar kerusakan jalan pada Sta. 1+100 s/d Sta. 1+200**



Gambar I.21. Retak Kulit Buaya (Low) dan Retak Buaya (High)

**13. Gambar kerusakan jalan pada Sta. 1+200 s/d Sta. 1+300**



Gambar I.22. Retak Pinggir (Low), Retak Buaya (Medium)



Gambar I.23. Alur (Low), Retak Blok (Medium), Tambalan (Low)



**14. Gambar kerusakan jalan pada Sta. 1+300 s/d Sta. 1+400**

Gambar I.24. Retak Blok (Low), Retak Blok (Medium), & Retak Buaya (High)



Gambar I.25. Tambalan (Medium), Retak Memanjang (Low), & Retak Pinggir (Medium)

**15. Gambar kerusakan jalan pada Sta. 1+400 s/d Sta. 1+500**



Gambar I.26. Retak Pinggir (High), Retak Memanjang (Low), & Retak Buaya  
(Medium)

**16. Gambar kerusakan jalan pada Sta. 1+500 s/d Sta. 1+600**



Gambar I.27. Retak Pinggir (Medium) & Retak Kulit Buaya (Medium)



Gambar I.28. Tambalan (Low) & Tambalan (High)

**17. Gambar kerusakan jalan pada Sta. 1+600 s/d Sta. 1+700**



Gambar I.29. Retak Kulit Buaya (Low) dan Retak Kulit Buaya (Medium)



Gambar I.30. Retak Memanjang (Low) dan Alur (Low)

**18. Gambar kerusakan jalan pada Sta. 1+700 s/d Sta. 1+800**



Gambar I.31. Retak Pinggir (High), Retak Buaya (High),



Gambar I.32. Retak Buaya (Medium), Tambalan (Medium), Tambalan (High),



Gambar I.33. Alur (High), Melintang (Medium), Retak Memanjang (High)

**19. Gambar kerusakan jalan pada Sta. 1+800 s/d Sta. 1+900**



Gambar I.34. Retak Pinggir (Medium) & Retak Pinggir (Low)



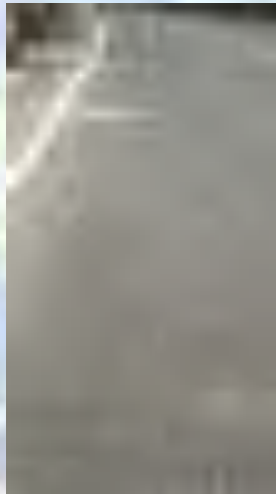
Gambar I.35. Retak Buaya (Low) & Retak Blok (Medium)

**20. Gambar kerusakan jalan pada Sta. 1+900 s/d Sta. 2+000**



Gambar I.36. Retak Pinggir (Low), Retak Memanjang (Medium), Retak Blok (Low)

**21. Gambar kerusakan jalan pada Sta. 2+000 s/d Sta. 2+100**



Gambar I.29. Retak Kulit Buaya (Medium)

**LAMPIRAN J. Hasil pengambilan data DCPT (Dynamic Cone Penetrometer Test) 10 titik di ruas Jl. M.H. Thamrin Kec. Ajung Kab. Jember pada tanggal 18-04- 2020**

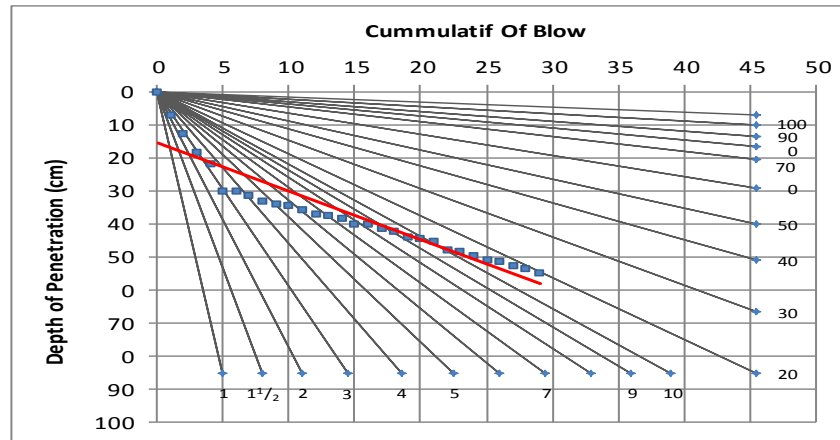
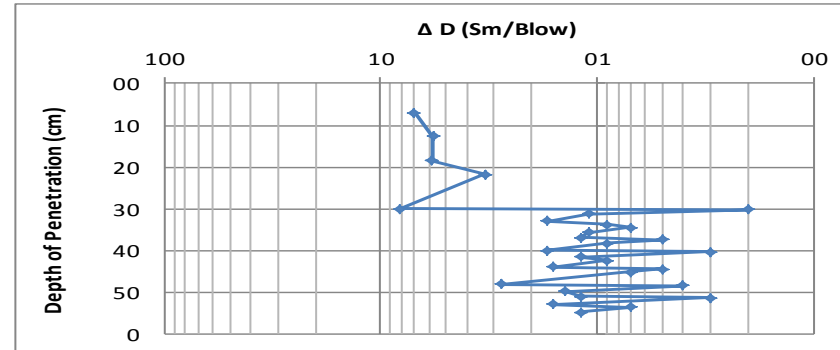




**DYNAMIC CONE PENETROMETER TEST (DCPT)**

Test Tgl : 1 April 2020  
 Lokasi : JL. M.H. Thamrin Kec. Ajung Kab. Jember  
 Titik : 1

n	D (cm)	Cum. No of Blow	ΔD (cm)	SPP (cm)
1	100.0	0	0.0	0.0
1	93.0	1	7.0	7.0
1	87.3	2	5.7	12.7
1	81.5	3	5.	17.5
1	78.2	4	3.3	21.
1	70.1	5	.1	29.9
1	69.9		0.2	30.1
1	68.8	7	1.1	31.2
1	67.1		1.7	32.9
1	66.2	9	0.9	33.
1	65.5	10	0.7	34.5
1	64.4	11	1.1	35.
1	63.2	12	1.2	36.
1	62.7	13	0.5	37.3
1	61.8	14	0.9	38.2
1	60.1	15	1.7	39.9
1	59.8	1	0.3	40.2
1	58.6	17	1.2	41.4
1	57.7	1	0.9	42.3
1	56.1	19	1.	43.9
1	55.6	20	0.5	44.4
1	54.9	21	0.7	45.1
1	52.1	22	2.	47.9
1	51.7	23	0.4	48.3
1	50.3	24	1.4	49.7
1	49.1	25	1.2	50.9
1	48.8	2	0.3	51.2
1	47.2	27	1.	52.
1	46.5	2	0.7	53.5
1	45.3	29	1.2	54.7

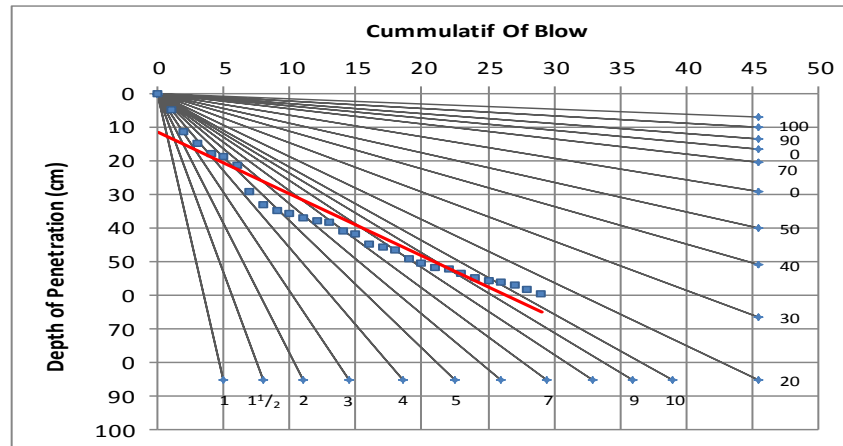
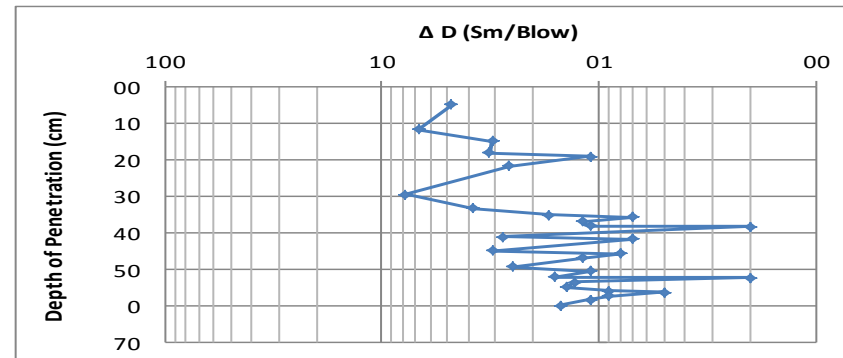


**CBR = 15 CBR VALUE OF TOP LAYER**

**DYNAMIC CONE PENETROMETER TEST (DCPT)**

Test Tgl : 1 April 2020  
 Lokasi : JL. M.H. Thamrin Kec. Ajung Kab. Jember  
 Titik : 2

n	D (cm)	Cum. No of Blow	ΔD (cm)	SPP (cm)
1	100.0	0	0.0	0.0
1	95.2	1	4.	4.
1	88.4	2	.	11.
1	85.3	3	3.1	14.7
1	82.1	4	3.2	17.9
1	81.0	5	1.1	19.0
1	78.4		2.	21.
1	70.6	7	7.	29.4
1	66.8		3.	33.2
1	65.1	9	1.7	34.9
1	64.4	10	0.7	35.
1	63.2	11	1.2	3 .
1	62.1	12	1.1	37.9
1	61.9	13	0.2	3 .1
1	59.1	14	2.	40.9
1	58.4	15	0.7	41.
1	55.3	1	3.1	44.7
1	54.5	17	0.	45.5
1	53.3	1	1.2	4 .7
1	50.8	19	2.5	49.2
1	49.7	20	1.1	50.3
1	48.1	21	1.	51.9
1	47.9	22	0.2	52.1
1	46.6	23	1.3	53.4
1	45.2	24	1.4	54.
1	44.3	25	0.9	55.7
1	43.	2	0.5	5 .2
1	42.9	27	0.9	57.1
1	41.	2	1.1	5 .2
1	40.3	29	1.5	59.7

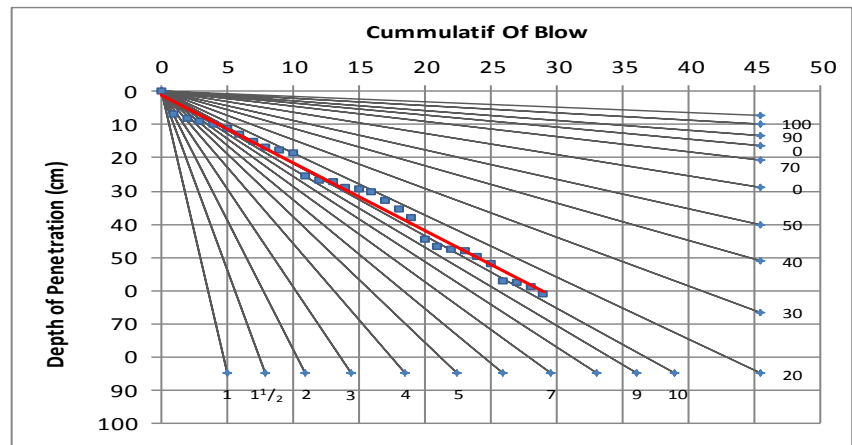
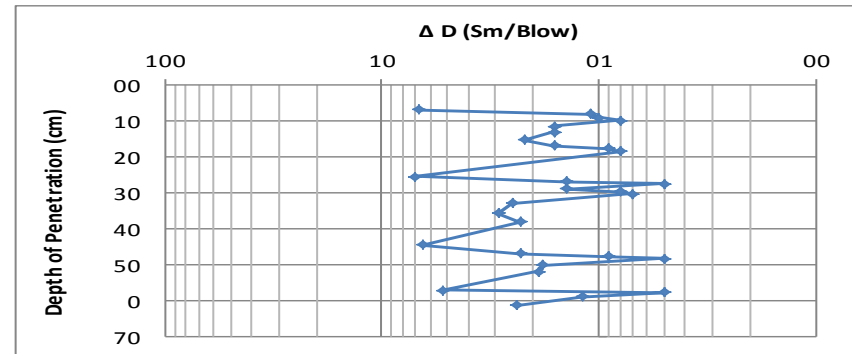


**CBR = 9. CBR VALUE OF TOP LAYER**

**DYNAMIC CONE PENETROMETER TEST (DCPT)**

Test Tgl : 1 April 2020  
 Lokasi : JL. M.H. Thamrin Kec. Ajung Kab. Jember  
 Titik : 3

n	D (cm)	Cum. No of Blow	ΔD (cm)	SPP (cm)
1	100.0	0	0.0	0.0
1	93.2	1	.	.
1	92.1	2	1.1	7.9
1	91.1	3	1.0	.9
1	90.3	4	0.	9.7
1	88.7	5	1.	11.3
1	87.1		1.	12.9
1	84.9	7	2.2	15.1
1	83.3		1.	1.7
1	82.4	9	0.9	17.
1	81.6	10	0.	1.4
1	74.6	11	7.0	25.4
1	73.2	12	1.4	2.
1	72.7	13	0.5	27.3
1	71.3	14	1.4	2.7
1	70.5	15	0.	29.5
1	69.8	1	0.7	30.2
1	67.3	17	2.5	32.7
1	64.4	1	2.9	35.
1	62.1	19	2.3	37.9
1	55.	20	.5	44.4
1	53.3	21	2.3	4.7
1	52.4	22	0.9	47.
1	51.9	23	0.5	4.1
1	50.1	24	1.	49.9
1	48.2	25	1.9	51.
1	43.0	2	5.2	57.0
1	42.5	27	0.5	57.5
1	41.3	2	1.2	5.7
1	38.9	29	2.4	1.1

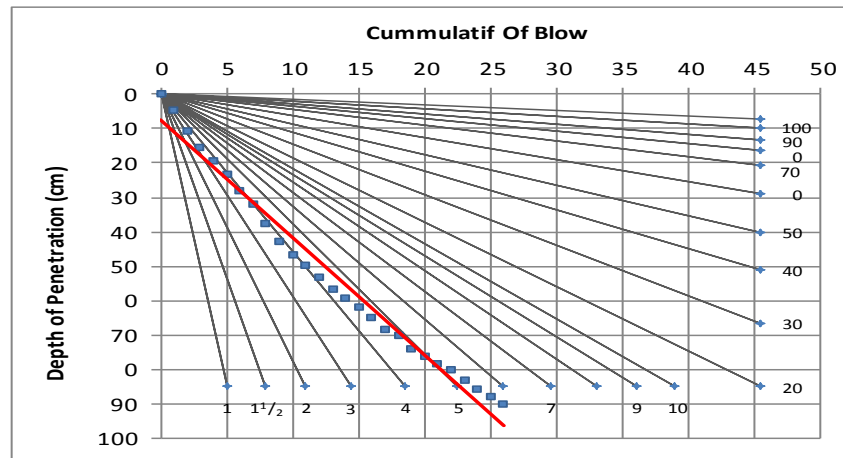
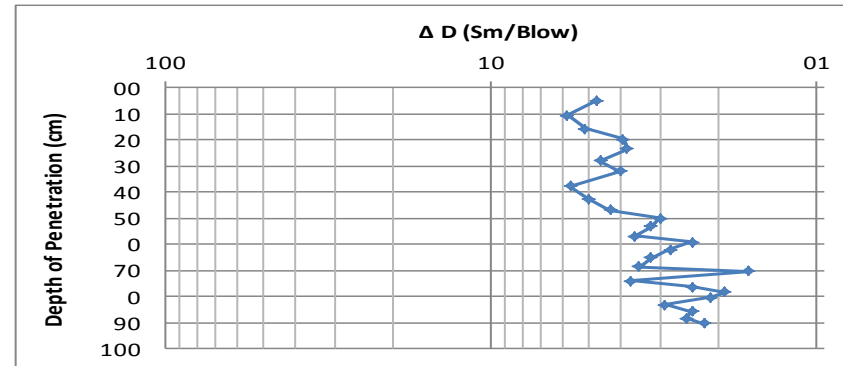


**CBR = 12**      CBR VALUE OF TOP LAYER

**DYNAMIC CONE PENETROMETER TEST (DCPT)**

Test Tgl : 1 April 2020  
 Lokasi : JL. M.H. Thamrin Kec. Ajung Kab. Jember  
 Titik : 4

n	D (cm)	Cum. No of Blow	ΔD (cm)	SPP (cm)
1	100.0	0	0.0	0.0
1	95.3	1	4.7	4.7
1	89.5	2	5.	10.5
1	84.4	3	5.1	15.
1	80.5	4	3.9	19.5
1	76.7	5	3.	23.3
1	72.1		4.	27.9
1	68.1	7	4.0	31.9
1	62.4		5.7	37.
1	57.4	9	5.0	42.
1	53.1	10	4.3	4 .9
1	50.1	11	3.0	49.9
1	46.9	12	3.2	53.1
1	43.3	13	3.	5 .7
1	40.9	14	2.4	59.1
1	38.1	15	2.	1.9
1	34.9	1	3.2	5.1
1	31.4	17	3.5	.
1	29.8	1	1.	70.2
1	26.1	19	3.7	73.9
1	23.7	20	2.4	7 .3
1	21.8	21	1.9	7 .2
1	19.7	22	2.1	0.3
1	16.8	23	2.9	3.2
1	14.4	24	2.4	5.
1	11.9	25	2.5	.1
1	9.7	2	2.2	90.3

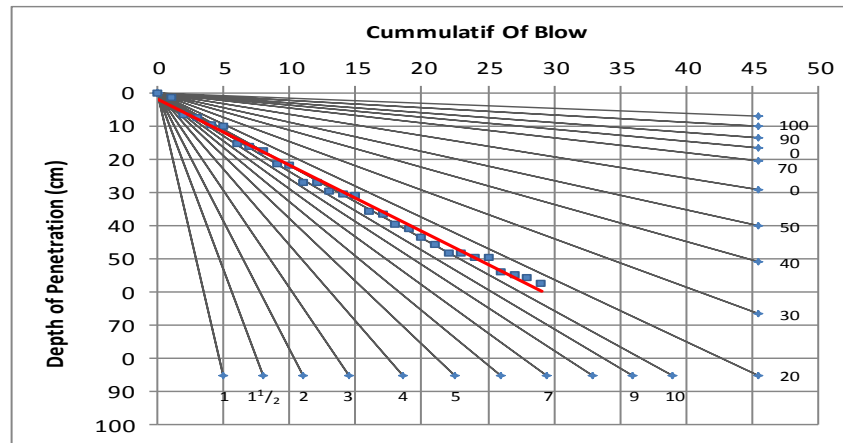
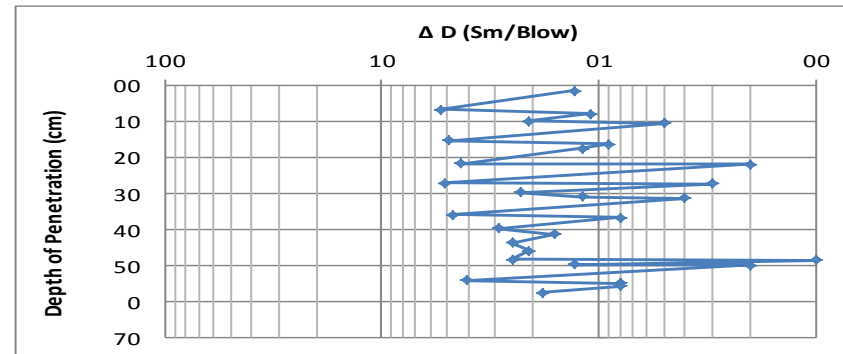


**CBR = 5. CBR VALUE OF TOP LAYER**

**DYNAMIC CONE PENETROMETER TEST (DCPT)**

Test Tgl : 1 April 2020  
 Lokasi : JL. M.H. Thamrin Kec. Ajung Kab. Jember  
 Titik : 5

n	D (cm)	Cum. No of Blow	ΔD (cm)	SPP (cm)
1	100.0	0	0.0	0.0
1	98.7	1	1.3	1.3
1	93.4	2	5.3	.
1	92.3	3	1.1	7.7
1	90.2	4	2.1	9.
1	89.7	5	0.5	10.3
1	84.8		4.9	15.2
1	83.9	7	0.9	1 . 1
1	82.7		1.2	17.3
1	78.4	9	4.3	21.
1	78.2	10	0.2	21.
1	73.1	11	5.1	2 . 9
1	72.8	12	0.3	27.2
1	70.5	13	2.3	29.5
1	69.3	14	1.2	30.7
1	68.9	15	0.4	31.1
1	64.2	1	4.7	35.
1	63.4	17	0.	3 .
1	60.5	1	2.9	39.5
1	58.9	19	1.	41.1
1	56.4	20	2.5	43.
1	54.3	21	2.1	45.7
1	51.8	22	2.5	4 . 2
1	51.7	23	0.1	4 . 3
1	50.4	24	1.3	49.
1	50.2	25	0.2	49.
1	46.1	2	4.1	53.9
1	45.3	27	0.	54.7
1	44.5	2	0.	55.5
1	42.7	29	1.	57.3

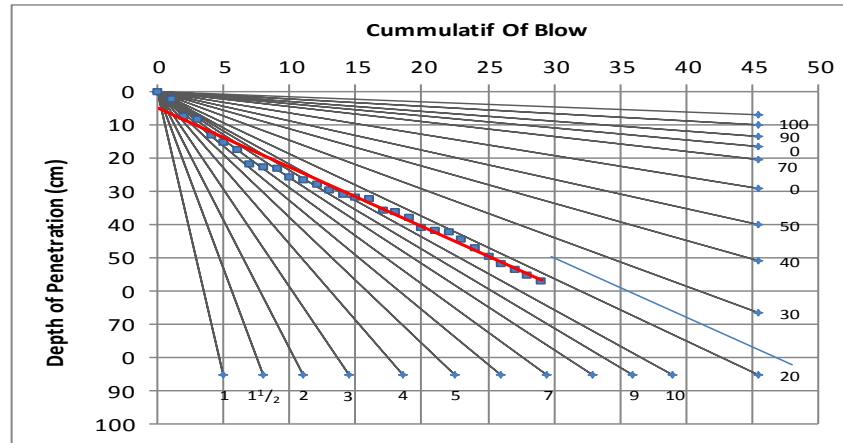
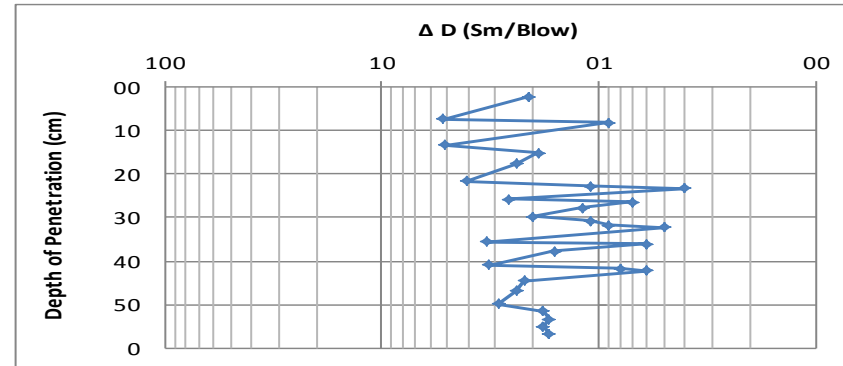


**CBR = 13**      CBR VALUE OF TOP LAYER

**DYNAMIC CONE PENETROMETER TEST (DCPT)**

Test Tgl : 1 April 2020  
 Lokasi : JL. M.H. Thamrin Kec. Ajung Kab. Jember  
 Titik :

n	D (cm)	Cum. No of Blow	ΔD (cm)	SPP (cm)
1	100.0	0	0.0	0.0
1	97.9	1	2.1	2.1
1	92.7	2	5.2	7.3
1	91.8	3	0.9	.2
1	86.7	4	5.1	13.3
1	84.8	5	1.9	15.2
1	82.4		2.4	17.
1	78.3	7	4.1	21.7
1	77.2		1.1	22.
1	76.8	9	0.4	23.2
1	74.2	10	2.	25.
1	73.5	11	0.7	2 .5
1	72.3	12	1.2	27.7
1	70.3	13	2.0	29.7
1	69.2	14	1.1	30.
1	68.3	15	0.9	31.7
1	67.8	1	0.5	32.2
1	64.5	17	3.3	35.5
1	63.9	1	0.	3 .1
1	62.3	19	1.	37.7
1	59.1	20	3.2	40.9
1	5 .3	21	0.	41.7
1	57.7	22	0.	42.3
1	55.5	23	2.2	44.5
1	53.1	24	2.4	4 .9
1	50.2	25	2.9	49.
1	4 .4	2	1.	51.
1	4 .7	27	1.7	53.3
1	44.9	2	1.	55.1
1	43.2	29	1.7	5 .

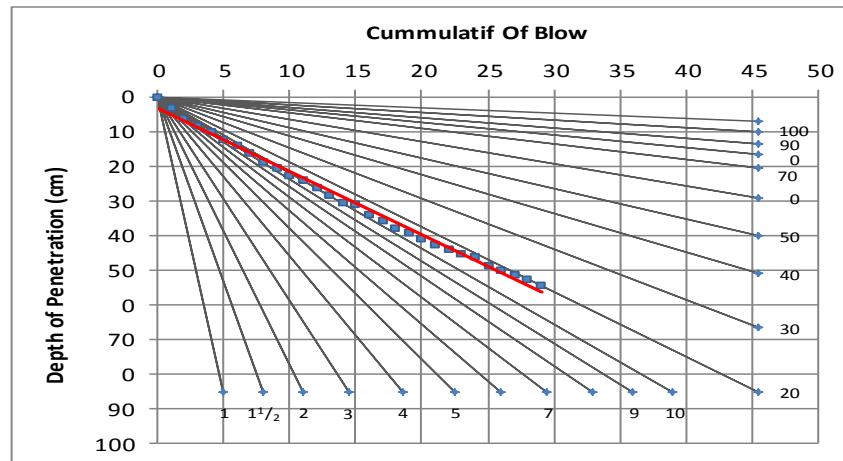
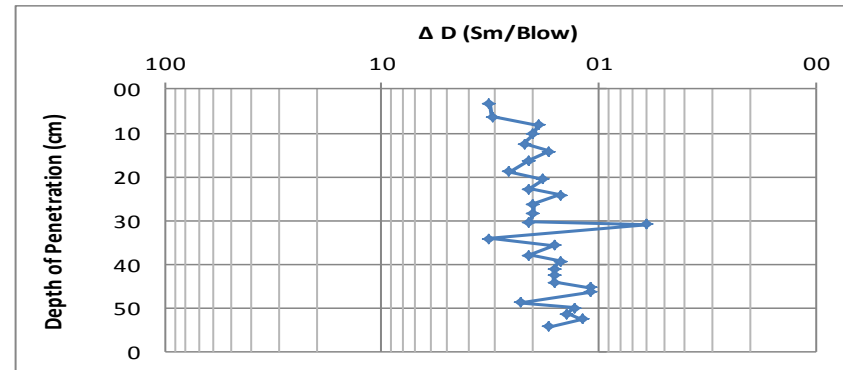


**CBR = 20** CBR VALUE OF TOP LAYER

**DYNAMIC CONE PENETROMETER TEST (DCPT)**

Test Tgl : 1 April 2020  
 Lokasi : JL. M.H. Thamrin Kec. Ajung Kab. Jember  
 Titik : 7

n	D (cm)	Cum. No of Blow	ΔD (cm)	SPP (cm)
1	100.0	0	0.0	0.0
1	96.8	1	3.2	3.2
1	93.7	2	3.1	.3
1	91.8	3	1.9	.2
1	89.8	4	2.0	10.2
1	87.6	5	2.2	12.4
1	85.9		1.7	14.1
1	83.8	7	2.1	1 .2
1	81.2		2.	1 .
1	79.4	9	1.	20.
1	77.3	10	2.1	22.7
1	75.8	11	1.5	24.2
1	73.8	12	2.0	2 .2
1	71.8	13	2.0	2 .2
1	69.7	14	2.1	30.3
1	69.1	15	0.	30.9
1	65.9	1	3.2	34.1
1	64.3	17	1.	35.7
1	62.2	1	2.1	37.
1	60.7	19	1.5	39.3
1	59.1	20	1.	40.9
1	57.5	21	1.	42.5
1	55.9	22	1.	44.1
1	54.8	23	1.1	45.2
1	53.7	24	1.1	4 .3
1	51.4	25	2.3	4 .
1	50.1	2	1.3	49.9
1	48.7	27	1.4	51.3
1	47.5	2	1.2	52.5
1	45.8	29	1.7	54.2

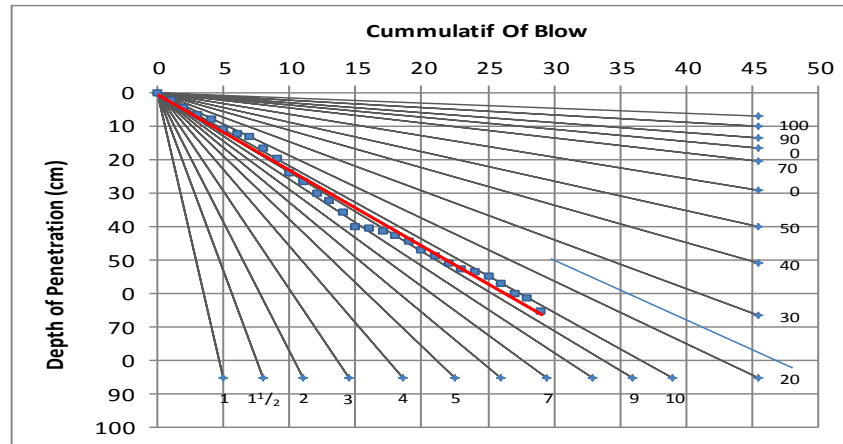
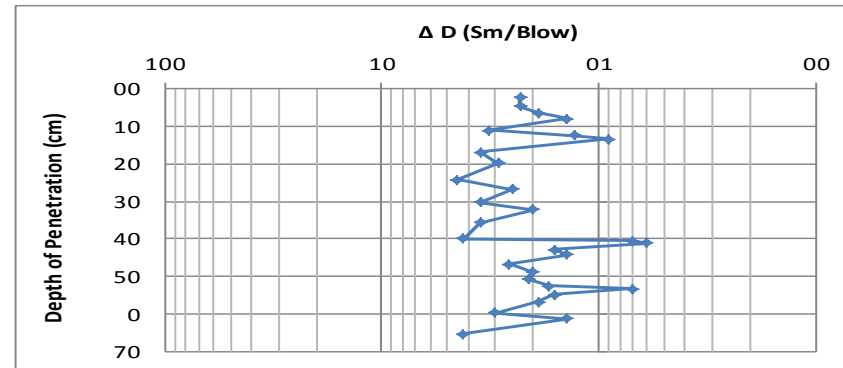


**CBR = 19**      **CBR VALUE OF TOP LAYER**

**DYNAMIC CONE PENETROMETER TEST (DCPT)**

Test Tgl : 1 April 2020  
 Lokasi : JL. M.H. Thamrin Kec. Ajung Kab. Jember  
 Titik :

n	D (cm)	Cum. No of Blow	ΔD (cm)	SPP (cm)
1	100.0	0	0.0	0.0
1	97.7	1	2.3	2.3
1	95.4	2	2.3	4.
1	93.5	3	1.9	.5
1	92.1	4	1.4	7.9
1	88.9	5	3.2	11.1
1	87.6		1.3	12.4
1	86.7	7	0.9	13.3
1	83.2		3.5	1 .
1	80.3	9	2.9	19.7
1	75.8	10	4.5	24.2
1	73.3	11	2.5	2 .7
1	69.8	12	3.5	30.2
1	67.8	13	2.0	32.2
1	64.3	14	3.5	35.7
1	60.1	15	4.2	39.9
1	59.4	1	0.7	40.
1	58.8	17	0.	41.2
1	57.2	1	1.	42.
1	55.8	19	1.4	44.2
1	53.2	20	2.	4 .
1	51.2	21	2.0	4 .
1	49.1	22	2.1	50.9
1	47.4	23	1.7	52.
1	4 .7	24	0.7	53.3
1	45.1	25	1.	54.9
1	43.2	2	1.9	5 .
1	40.2	27	3.0	59.
1	3 .	2	1.4	1.2
1	34.	29	4.2	5.4



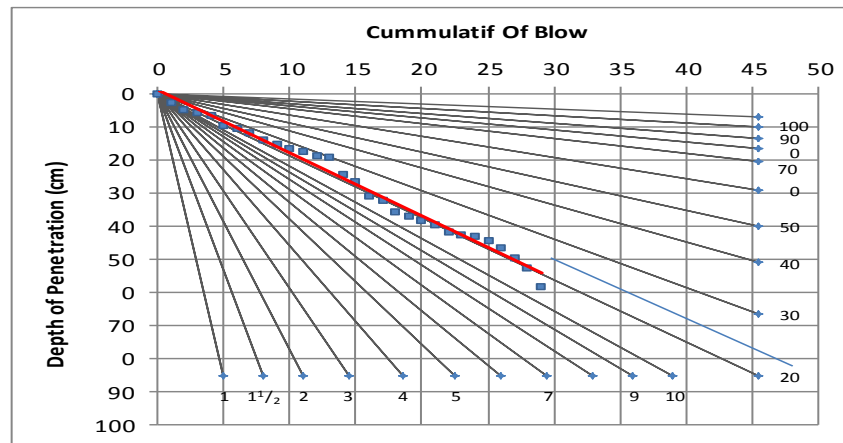
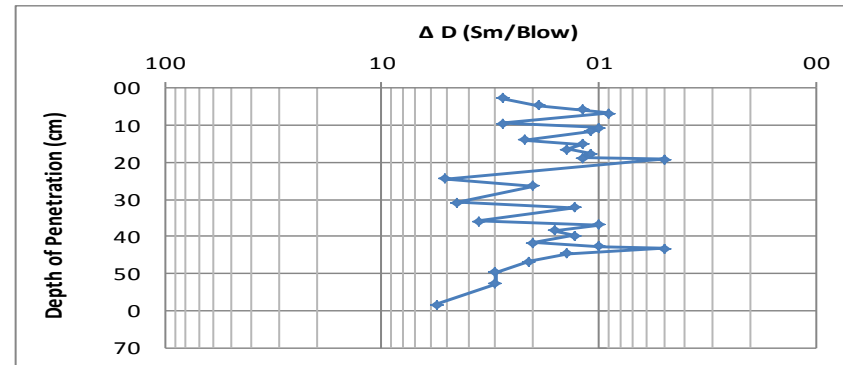
**CBR = 12**      **CBR VALUE OF TOP LAYER**



**DYNAMIC CONE PENETROMETER TEST (DCPT)**

Test Tgl : 1 April 2020  
 Lokasi : JL. M.H. Thamrin Kec. Ajung Kab. Jember  
 Titik : 9

n	D (cm)	Cum. No of Blow	ΔD (cm)	SPP (cm)
1	100.0	0	0.0	0.0
1	97.2	1	2.	2.
1	95.3	2	1.9	4.7
1	94.1	3	1.2	5.9
1	93.2	4	0.9	.
1	90.4	5	2.	9.
1	89.4		1.0	10.
1	88.3	7	1.1	11.7
1	86.1		2.2	13.9
1	84.9	9	1.2	15.1
1	83.5	10	1.4	1 .5
1	82.4	11	1.1	17.
1	81.2	12	1.2	1 .
1	80.7	13	0.5	19.3
1	75.6	14	5.1	24.4
1	73.6	15	2.0	2 .4
1	69.1	1	4.5	30.9
1	67.8	17	1.3	32.2
1	64.2	1	3.	35.
1	63.2	19	1.0	3 .
1	61.6	20	1.	3 .4
1	0.3	21	1.3	39.7
1	5 .3	22	2.0	41.7
1	57.3	23	1.0	42.7
1	5 .	24	0.5	43.2
1	55.4	25	1.4	44.
1	53.3	2	2.1	4 .7
1	50.3	27	3.0	49.7
1	47.3	2	3.0	52.7
1	41.7	29	5.	5 .3



**CBR = 20** CBR VALUE OF TOP LAYER



**LAMPIRAN K. Hasil pengambilan data LHR 24 jam di ruas Jl. M.H. Thamrin  
Kec. AJung Kab. Jember pada tanggal 03-05-2019 s/d 04-05-2019**



Arah Lalu Lintas : Jl. M.H. Thamrin (Barat ke Timur)  
 Tanggal Survei : 23 Januari 2020 – 24 Januari 2020

WAKTU/DURASI	JENIS KENDARAAN				Bus 5B	truk 2 as 8.2	truk 3 as 9.3	truk gandeng 10	TOTAL
	LV	MC	UM	HV					
	Mobil / Truk Kecil	Sepeda Motor	Kendaraan Tak Bermotor	Kendaraan Berat					
06.00-06.15	53	281		13	2	7	3	1	345
06.15-06.30	58	254		17	1	8	6	2	328
06.30-06.45	40	269		12	1	10	1		321
06.45-07.00	47	212		7	1	3	2	1	266
07.00-07.15	35	297		9	2	7			341
07.15-07.30	59	221		8	2	2	2	2	288
07.30-07.45	53	255		3		1	2		311
07.45-08.00	60	263		10	2	5	3		333
08.00-08.15	53	147		1			1		201
08.15-08.30	47	119		14	1	10	2	1	180
08.30-08.45	50	126		4	1	1	2		180
08.45-09.00	55	132		7	2	3	1	1	194
09.00-09.15	40	143		15		9	6		198
09.15-09.30	31	127	1	13		7	4	2	172
09.30-09.45	39	160		18	1	9	8		217
09.45-10.00	38	205	1	17		9	5	3	261
10.00-10.15	37	249		9		7	2		295
10.15-10.30	42	232	1	11		6	4	1	286
10.30-10.45	28	190	1	12	1	5	6		231
10.45-11.00	26	178		19	1	11	5	2	223
11.00-11.15	47	171		13		7	4	2	231
11.15-11.30	29	154	1	5	1	3	1		189
11.30-11.45	32	102		6		4	2		140
11.45-12.00	19	60		10	1	5	3	1	89
12.00-12.15	21	89		7	1	4	2		117
12.15-12.30	38	145	2	13		7	4	2	198
12.30-12.45	28	136		9	1	4	3	1	173
12.45-13.00	33	186	1	5		4	1		225
13.00-13.15	40	167	1	13	2	7	4		221
13.15-13.30	42	213		7		4	2	1	262
13.30-13.45	38	170	3	8	1	5	2		219
13.45-14.00	20	143		11		9	2		174
14.00-14.15	37	184	1	9	1	4	2	2	231
14.15-14.30	32	156		9		6	3		197
14.30-14.45	42	176	1	15	1	9	4	1	234
14.45-15.00	35	173		6		4	1	1	214
15.00-15.15	5	187	4	11		7	4		207
15.15-15.30	42	160	2	4		3	1		208
15.30-15.45	33	180	2	5		5			220
15.45-16.00	32	207	1	15	2	7	4	2	255

16.00-16.15	64	208	1	7		3	4		280
16.15-16.30	44	208		10	1	7	1	1	262
16.30-16.45	47	223	1	8		7	1		279
16.45-17.00	68	153	2	4	1	3			227
17.00-17.15	52	138	1	3			2	1	194
17.15-17.30	56	133		5	1	2		2	194
17.30-17.45	56	130	2	1			1		189
17.45-18.00	65	116		6	1	5			187
18.00-18.15	23	295	3	2		2			323
18.15-18.30	86	246		2		2			334
18.30-18.45	72	201	1	3	1	2			277
18.45-19.00	74	188		3		3			265
19.00-19.15	89	248	1	2		2			340
19.15-19.30	90	200		3	2	1			293
19.30-19.45	84	251	1	3		3			339
19.45-20.00	77	275		7	2	4	1		359
20.00-20.15	29	168		1		1			198
20.15-20.30	28	165		3		3			196
20.30-20.45	15	185		5	1	4			205
20.45-21.00	26	151		6		6			183
21.00-21.15	21	165							186
21.15-21.30	23	150		3	1	2			176
21.30-21.45	19	108		1		1			128
21.45-22.00	11	90		3		3			104
22.00-22.15	25	69		8		5	1	2	102
22.15-22.30	23	44		10		7	3		77
22.30-22.45	18	38		6		4	2		62
22.45-23.00	13	46		10	1	6	3		69
23.00-23.15	11	42		18	1	13	3	1	71
23.15-23.30	6	28		5		2	3		39
23.30-23.45	7	17		9	1	8			33
23.45-00.00	11	17		9		5	4		37
00.00-00.15	4	22		2		2			28
00.15-00.30	7	13		5		3	2		25
00.30-00.45	8	21		1		1			30
00.45-01.00	4	20							24
01.00-01.15	8	18		1		1			27
01.15-01.30	3	12							15
01.30-01.45	3	16		3		3			22
01.45-02.00	6	16		1		1			23
02.00-02.15	2	10							12
02.15-02.30	1	16							17
02.30-02.45	4	9							13
02.45-03.00	9	7		3		3			19
03.00-03.15	14	5		6	1	5			25
03.15-03.30	4	20							24
03.30-03.45	2	11		1		1			14
03.45-04.00	9	19		1		1			29

04.00-04.15	2	16		1		1			19
04.15-04.30	5	31							36
04.30-04.45	7	58	1	2	1	1			68
04.45-05.00	3	54	1	5	1	3	1		63
05.00-05.15	75	71	2	3		1	2		151
05.15-05.30	51	83	5	2		2			141
05.30-05.45	64	127	1	8		6	2		200
05.45-06.00	71	131	2	8	1	5	1	1	212



Arah Lalu Lintas : Jl. M.H. Thamrin (Barat ke Timur)  
 Tanggal Survei : 23 Januari 2020 – 24 Januari 2020

WAKTU/DURASI	JENIS KENDARAAN				Bus 5B	truk 2 as 8.2	truk 3 as 9.3	truk gandeng 10	TOTAL
	LV	MC	UM	HV					
	Mobil / Truk Kecil	Sepeda Motor	Kendaraan Tak Bermotor	Kendaraan Berat					
06.00-06.15	8	86	1	6		4	2		101
06.15-06.30	16	107	1	9		6	3		133
06.30-06.45	30	235	11	10	2	8			286
06.45-07.00	22	232	5	11		9	2		270
07.00-07.15	32	193		18		14	4		243
07.15-07.30	26	176		19	1	18			221
07.30-07.45	38	183	1	31	1	29	1		253
07.45-08.00	40	197	2	32	2	27	3		271
08.00-08.15	43	158	1	26		23	3		228
08.15-08.30	29	138	1	28	1	26	1		196
08.30-08.45	48	140	2	1			1		191
08.45-09.00	43	145		31	2	28	1		219
09.00-09.15	36	179		12		9	3		227
09.15-09.30	30	144	1	15		7	7	1	190
09.30-09.45	18	161		7	1	4	2		186
09.45-10.00	36	214	1	10		6	3	1	261
10.00-10.15	32	225	2	19		11	6	2	278
10.15-10.30	41	205	3	16		9	5	2	265
10.30-10.45	34	213	1	14	1	7	4	2	262
10.45-11.00	45	188		12		6	6		245
11.00-11.15	40	152		8		7	1		200
11.15-11.30	41	211		11	1	6	3	1	263
11.30-11.45	31	146	2	12		7	4	1	191
11.45-12.00	17	81	1	13	2	9	2		112
12.00-12.15	32	101		8		6	2		141
12.15-12.30	32	174	1	14	1	9	4		221
12.30-12.45	28	98		7		5	1	1	133
12.45-13.00	36	146	1	6		4	2		189
13.00-13.15	33	161	1	10	1	8	1		205
13.15-13.30	34	143		5		4	1		182
13.30-13.45	46	157	3	7		3	4		213
13.45-14.00	19	127	1	6	1	4	1		153
14.00-14.15	30	142	1	8		6	2		181
14.15-14.30	24	149		7		5	1	1	180
14.30-14.45	28	163		4	1	3			195
14.45-15.00	45	152	1	9		7	2		207
15.00-15.15	43	160	1	10	1	8	1		214
15.15-15.30	38	187	1	3		3			229
15.30-15.45	39	221		11	1	6	3	1	271
15.45-16.00	32	193	1	16		12	3	1	242

16.00-16.15	47	177	3	25	1	19	3	2	252
16.15-16.30	40	178	1	22		18	4		241
16.30-16.45	55	192		24	1	21	1	1	271
16.45-17.00	31	193	1	24	1	15	7	1	249
17.00-17.15	37	149	1	23	1	18	3	1	210
17.15-17.30	54	188		25	1	18	6		267
17.30-17.45	29	178	1	16		11	5		224
17.45-18.00	33	184	8	22	2	19	1		247
18.00-18.15	12	455	1	3		2		1	471
18.15-18.30	35	200	1	7	1	3	3		243
18.30-18.45	26	220		1		1			247
18.45-19.00	22	203	2	6		3		3	233
19.00-19.15	32	239	1	4		4			276
19.15-19.30	28	254		3	1	1		1	285
19.30-19.45	27	249		1		1			277
19.45-20.00	23	248		0		0			271
20.00-20.15	17	234		2		1		1	253
20.15-20.30	29	199		7	1	5	1		235
20.30-20.45	19	180		2		2			201
20.45-21.00	40	200		7		4	2	1	247
21.00-21.15	29	193		5	1	3		1	227
21.15-21.30	29	185		1		1			215
21.30-21.45	26	164		3	1	2			193
21.45-22.00	24	178		4		2	2		206
22.00-22.15	18	48		14		11	2	1	80
22.15-22.30	17	57		12	1	6	4	1	86
22.30-22.45	18	52		18	1	13	1	3	88
22.45-23.00	20	26		15		11	3	1	61
23.00-23.15	24	28		13		12	1		65
23.15-23.30	26	30		13		13			69
23.30-23.45	10	26		10	1	8		1	46
23.45-00.00	12	33		6	1	3	2		51
00.00-00.15	11	47		1		1			59
00.15-00.30	14	67		4		1		3	85
00.30-00.45	7	40		1		1			48
00.45-01.00	16	56			1			1	74
01.00-01.15	18	26		2		2			46
01.15-01.30	16	25						1	42
01.30-01.45	12	22		5	2	2		1	39
01.45-02.00	7	26		2		2			35
02.00-02.15	14	35			1				50
02.15-02.30	4	20		3		1		2	27
02.30-02.45	11	29		4		2		2	44
02.45-03.00	7	14		5	1	4			26
03.00-03.15	4	23			1				28
03.15-03.30	8	16		4	1	3			28
03.30-03.45	5	28		2		2			35
03.45-04.00	4	21		4	1	2		1	29



04.00-04.15	7	41		5		4	1		53
04.15-04.30	5	35							40
04.30-04.45	4	50		2	1	1			56
04.45-05.00	8	56		4		4			68
05.00-05.15	6	44	1	5	1	3	1		56
05.15-05.30	9	51	1	6		3	2	1	67
05.30-05.45	3	74	2	8	1	4	3		87
05.45-06.00	5	78	3	4		3	1		90



**LAMPIRAN L. Script Coding untuk membuat tampilan muka website  
Sistem Pendukung Keputusan Perbaikan Jalan.**

```
<!DOCTYPE html>

<html>

<head>

<style>

body {

    background: #456;

    font-family: 'Open Sans', sans-serif;

}

.login {

    width: 400px;

    margin: 16px auto;

    font-size: 16px;

}

/* Reset top and bottom margins from certain elements */

.login-header,

.login p {

    margin-top: 0;

    margin-bottom: 0;

}

.login-header {

    background: #28d;
```

```
padding: 20px;
font-size: 1.4em;
font-weight: normal;
text-align: center;
text-transform: uppercase;
color: #fff;
}
.login-container {
  background: #ebebeb;
  padding: 12px;
}
/* Every row inside .login-container is defined with p tags */
.login p {
  padding: 12px;
}
.login input {
  box-sizing: border-box;
  display: block;
  width: 100%;
  border-width: 1px;
  border-style: solid;
  padding: 16px;
  outline: 0;
  font-family: inherit;
```



```
font-size: 0.95em;
}
.login input[type="email"],
.login input[type="password"] {
background: #fff;
border-color: #bbb;
color: #555;
}
/* Text fields' focus effect */
.login input[type="email"]:focus,
.login input[type="password"]:focus {
border-color: #888;
}
.login input[type="submit"] {
background: #28d;
border-color: transparent;
color: #fff;
cursor: pointer;
}
.login input[type="submit"]:hover {
background: #17c;
}
/* Buttons' focus effect */
.login input[type="submit"]:focus {
```

```
border-color: #05a;
}
</style>

<title>Login</title>

</head>
<body>
  <br/>
  <!-- cek pesan notifikasi -->

  <br/>
  <br/>
  <div class="login">
    <h2 class="login-header">Form Login</h2>
    <form class="login-container" method="post" action="cek_login.php">
      <p>
        <input type="text" name="username" placeholder="Masukkan
username">
      </p>
      <p>
        <input type="password" name="password" placeholder="Masukkan
password">
      </p>
```

```
<p>
<input type="submit" value="LOGIN" width="50%">
belum mempunyai akun? silahkan <a href="daftar.php"> daftar </a>
</p>

<?php
if(isset($_GET['pesan'])){
    if($_GET['pesan'] == "gagal"){
        echo "Login gagal! username dan password salah!";
    }else if($_GET['pesan'] == "logout"){
        echo "Anda telah berhasil logout !!";
    }else if($_GET['pesan'] == "belum_login"){
        echo "Anda harus login untuk mengakses halaman admin";
    }
}
?>
</form>
</div>

</body>
</html>
```

**LAMPIRAN M. Script Coding untuk membuat tampilan daftar login website Sistem Pendukung Keputusan Perbaikan Jalan.**

```
<html>
<head>
<style>

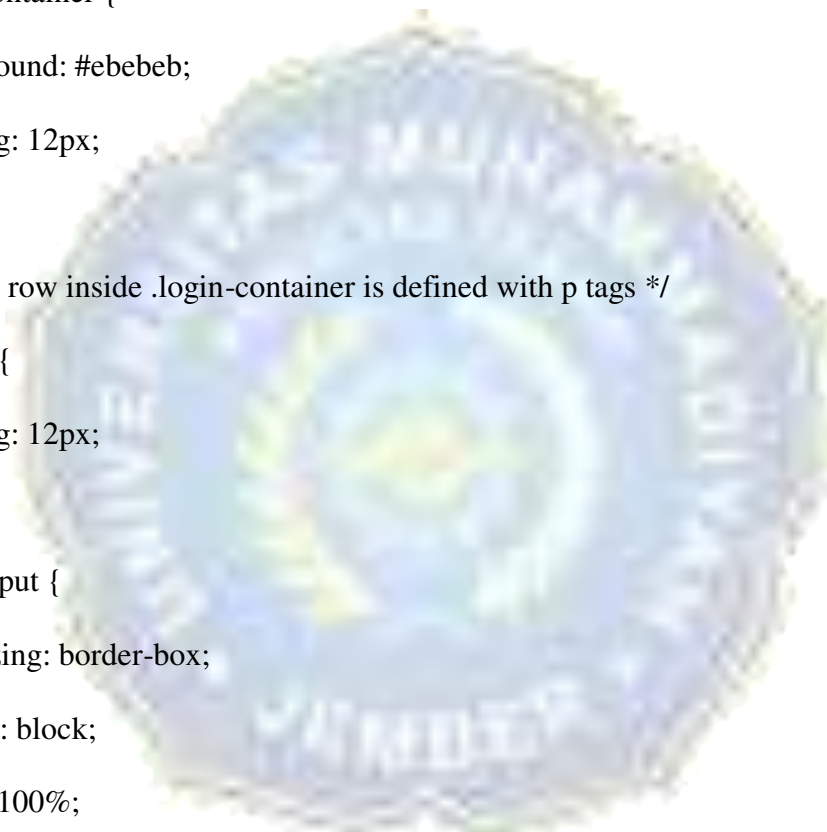
body {
    background: #456;
    font-family: 'Open Sans', sans-serif;
}
.login {
    width: 400px;
    margin: 16px auto;
    font-size: 16px;
}
/* Reset top and bottom margins from certain elements */
.login-header,
.login p {
    margin-top: 0;
    margin-bottom: 0;
}
.login-header {
    background: #28d;
    padding: 20px;
```

```
font-size: 1.4em;
font-weight: normal;
text-align: center;
text-transform: uppercase;
color: #fff;
}

.login-container {
background: #ebebeb;
padding: 12px;
}

/* Every row inside .login-container is defined with p tags */
.login p {
padding: 12px;
}

.login input {
box-sizing: border-box;
display: block;
width: 100%;
border-width: 1px;
border-style: solid;
padding: 16px;
outline: 0;
font-family: inherit;
font-size: 0.95em;
```





```
}  
.login input[type="email"],  
.login input[type="password"] {  
    background: #fff;  
    border-color: #bbb;  
    color: #555;  
}  
/* Text fields' focus effect */  
.login input[type="email"]:focus,  
.login input[type="password"]:focus {  
    border-color: #888;  
}  
.login input[type="submit"] {  
    background: #28d;  
    border-color: transparent;  
    color: #fff;  
    cursor: pointer;  
}  
.login input[type="submit"]:hover {  
    background: #17c;  
}  
/* Buttons' focus effect */  
.login input[type="submit"]:focus {  
    border-color: #05a;
```

```
}  
</style>  
  
    <title>Login</title>  
  
</head>  
<body>  
    <br/>  
    <!-- cek pesan notifikasi -->  
  
    <br/>  
    <br/>  
    <div class="login">  
    <h2 class="login-header">Form Pendaftaran</h2>  
    <form class="login-container" method="post"  
action="simpandaftar.php">  
    <p>  
    <input type="text" name="nama" placeholder="Masukkan Nama  
Lengkap" required>  
    </p>  
    <p>  
    <input type="text" name="imel" placeholder="Masukkan Email"  
required>  
    </p>
```

```
<p>  
  <input type="text" name="username" placeholder="Masukkan username"  
required>  
</p>  
<p>  
  <input type="password" name="password" placeholder="Masukkan  
password" required>  
</p>  
<p>  
  <input type="submit" value="Daftar" name="daftar">  
</p>  
</form>  
</div>  
</body>  
</html>
```

A large, semi-transparent watermark of the Universitas Mitra Indonesia logo is centered on the page. The logo is circular with a blue and yellow color scheme, featuring a central emblem and the university's name in Indonesian and English around the perimeter.

**LAMPIRAN N. Script Coding untuk membuat simpan daftar user baru website Sistem Pendukung Keputusan Perbaikan Jalan.**

```
<?php
```

```
include_once "./config/config-db.php";
```

```
    $username = $_POST[username];
```

```
    $password = $_POST[password];
```

```
    $nama = $_POST[nama];
```

```
    $imel = $_POST[imel];
```

```
    $ccek_user=mysql_num_rows(mysql_query("SELECT * FROM user WHERE  
username='$username'"));
```

```
    /* mysql_query("INSERT INTO user (username, password, nama, email)  
VALUES ('xxx', 'xxx', 'xxx', 'xxx')");
```

```
    echo "INSERT INTO user (username, password, nama, email) VALUES  
( 'xxx', 'xxx', 'xxx', 'xxx')"; */
```

```
    if ($ccek_user > 0) {
```

```
    echo '<script language="javascript">
```

```
        alert ("Username sudah digunakan Sudah Ada Yang Menggunakan");
```


```
        window.location="daftar.php";
```

```
    </script>';
```

```
        exit();
    }
    else {

        mysql_query("INSERT INTO user (username, password, nama, imel)
VALUES ('$username', '$password', '$nama', '$imel')");

        echo '<script language="javascript">
            alert ("Registrasi Berhasil Di Lakukan!");
            window.location="index.php";
            </script>';
        exit();
    }
?>
```

A large, semi-transparent watermark of the University of Indonesia logo is centered on the page. The logo is circular with a blue and yellow border, containing a central emblem and the text 'UNIVERSITY OF INDONESIA' and 'UNIVERSITAS INDONESIA'.

**LAMPIRAN O. Script Coding untuk membuat cek login akun website Sistem Pendukung Keputusan Perbaikan Jalan.**

```
<?php

// mengaktifkan session php
session_start();

// menghubungkan dengan koneksi
include_once "./config/config-db.php";

// menangkap data yang dikirim dari form
$username = $_POST['username'];
$password = $_POST['password'];

// menyeleksi data admin dengan username dan password yang sesuai
$data = mysql_query("select * from user where username='$username' and
password='$password'");

// menghitung jumlah data yang ditemukan
$cek = mysql_num_rows($data);

if($cek > 0){
    $_SESSION['username'] = $username;
    $_SESSION['status'] = "login";
}
```

```
header("location:depan.php");  
}  
else{  
header("location:index.php?pesan=gagal");  
}  
?>
```



**LAMPIRAN P. Script Coding untuk membuat logout atau keluar dari akun website Sistem Pendukung Keputusan Perbaikan Jalan.**

```
<?php  
  
// mengaktifkan session  
session_start();  
  
// menghapus semua session  
session_destroy();  
  
// mengalihkan halaman sambil mengirim pesan logout  
header("location:./index.php?pesan=logout");  
?>
```





**LAMPIRAN Q. Script Coding untuk membuat halaman utama setelah login akun website Sistem Pendukung Keputusan Perbaikan Jalan.**

```
<?php
include_once "./config/config-db.php";
?>
<!DOCTYPE html>
<html lang="en">

<head>

<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-
to-fit=no">
<meta name="description" content="">
<meta name="author" content="">

<title>Sistem Pendukung Keputusan Perbaikan Jalan<br>Studi Kasus :
Kabupaten Jember</title>

<!-- Bootstrap core CSS -->
<link href="vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">

<!-- Custom styles for this template -->
<link href="css/shop-item.css" rel="stylesheet">
```

```
</head>
```

```
<body>
```

```
<!-- Navigation -->
```

```
<nav class="navbar navbar-expand-lg navbar-dark bg-dark fixed-top">
```

```
<div class="container">
```

```
<a class="navbar-brand" href="#" style="font-size: 14px;">Sistem
Pendukung Keputusan Perbaikan Jalan<br>Studi Kasus : Kabupaten Jember</a>
```

```
<button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarResponsive" aria-controls="navbarResponsive" aria-
expanded="false" aria-label="Toggle navigation">
```

```
<span class="navbar-toggler-icon"></span>
```

```
</button>
```

```
</div>
```

```
<div>
```

```
<?php
```

```
session_start();
```

```
?>
```

```
<h7>Selamat datang, <?php echo $_SESSION['username']; ?> </h7>
```

```
<a href="logout.php">LOGOUT</a>
```

```
</div>
```

```
</nav>
```

```

<!-- Page Content -->

<?php
    $cekk = $_SESSION['username'];

?>

<div class="container" style="max-width: 100%;">

<div class="row">

<div class="col-lg-2">

    <div class="card mt-4">

        <div class="list-group">

            <?php

                $jalan = mysql_query("SELECT u.* FROM user u
where u.username = '$cekk'");

                while($jalanq = mysql_fetch_array($jalan)){

                    if($jalanq['level']=='u'){ ?>

                        <div class="list-group">

                            <a href="?page=master/home" class="list-
group-item">Home</a>

                            <a href="?page=hasil/data" class="list-

```

```

group-item">Hasil Survei</a>
                <a href="?page=pengaduan/data"
class="list-group-item">Pengaduan</a>
            </div>
        <?php
        }
        else{
        ?>
            <div class="list-group">
                <a href="?page=master/home" class="list-
group-item">Home</a>
                <a href="?page=master/kriteria.grid"
class="list-group-item">Data Master</a>
                <a href="?page=nilai/data" class="list-
group-item">Data Survei</a>
                <a href="?page=hasil/data" class="list-
group-item">Hasil Survei</a>
                <a href="?page=pengaduan/data"
class="list-group-item">Pengaduan</a>
            </div>
        <?php
        }
    }
?>

```

```
</div>

</div>

</div>

<!-- /.col-lg-3 -->

<div class="col-lg-10">

  <div class="card card-outline-secondary my-4" style="border-
right:0px;border-top:0px;border-bottom:0px;">

  <div class="card-body">

  <?php

      $dir  = "./modul/";

      $page =  $_GET['page'];

      $file =  $dir."$page.php";

      if (empty($page)){

          include $dir."master/home.php";

      }else{

          include ("$file");

      }

  ?>

  </div>

</div>

<!-- /.card -->

</div>
```

```
<!-- /.col-lg-9 -->
```

```
</div>
```

```
</div>
```

```
<!-- /.container -->
```

```
<!-- Bootstrap core JavaScript -->
```

```
<script src="vendor/jquery/jquery.min.js"></script>
```

```
<script src="vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
```

```
</body>
```

```
</html>
```



**LAMPIRAN R. Script Coding untuk membuat home dan view peta setelah login akun website Sistem Pendukung Keputusan Perbaikan Jalan.**

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<meta name="viewport" content="width=device-width, initial-scale=1">
<title>Sistem Pendukung Keputusan Perbaikan Jalan<br>Studi Kasus :
Kabupaten Jember</title>
<style>
</style>
</head>
<body>
<div>
<iframe width="100%" height="840"
src="http://localhost/tematik/map_default.phtml"></iframe>
</div>
</body>
</html>
</html>
```

**LAMPIRAN S. Script Coding untuk membuat peta di Pmapper untuk Sistem Pendukung Keputusan Perbaikan Jalan.**

```
#  
  
# Start of map file  
  
#  
  
MAP  
  
EXTENT 113.2624091556413362 -8.5608536884826449  
114.0383661570163838 -7.9623506237008561  
#95.0097045899999983 -11.0076150899999998 141.0193939199999988  
6.0769405399999998  
  
#1988372 -1521486 19681694 5400000  
#1988372 1400000 6411627 5400000  
  
#UNITS meters  
  
#EXTENT -15 30 40 70  
  
UNITS dd  
  
SIZE 600 500  
  
SHAPEPATH "../././data"  
  
SYMBOLSET "../common/symbols/symbols-pmapper.sym"  
  
FONTSET "../common/fonts/msfontset.txt"  
  
RESOLUTION 96  
  
IMAGETYPE png  
  
INTERLACE OFF  
  
#CONFIG "PROJ_LIB" "C:/proj/nad/"
```



PROJECTION

# ETRS-LAEA

#"init=epsg:3035"

#"proj=laea +lat\_0=52 +lon\_0=10 +x\_0=4321000 +y\_0=3210000

+ellps=GRS80 +units=m +no\_defs no\_defs"

END

#

# Start of web interface definition

#

WEB

TEMPLATE "/ms4w/apps/tematik/sistem/map.phtml"

IMAGEPATH "/ms4w/tmp/ms\_tmp/"

IMAGEURL "/ms\_tmp/"

METADATA

#"MAPFILE\_ENCODING" "ISO-8859-1"

#"ows\_title" "WMS Demo Server"

#"ows\_onlineresource" "http://wms.yourserver.org?owskey=test&"

#"ows\_srs" "EPSG:3035 EPSG:4326"

END # Metadata

END # Web

#

# Start of Reference map definition

#

## REFERENCE

EXTENT 113.2624091556413362 -8.5608536884826449

114.0383661570163838 -7.9623506237008561

#1988372 1400000 6411627 5400000

#1496247 1332616 7055632 5502154 #2200000 1400000 8000000 5400000

IMAGE "../images/reference.PNG"

SIZE 230 160

COLOR -1 -1 -1

OUTLINECOLOR 0 255 0

END # Reference

#

# Start of legend object

#

## LEGEND

STATUS OFF

IMAGECOLOR 255 255 255

# OUTLINECOLOR 0 0 0

POSITION II

KEYSIZE 18 12

KEYSPACING 10 5

TEMPLATE "void"

LABEL



```
TYPE TRUETYPE
FONT "FreeSans"
SIZE small
POSITION AUTO
COLOR 0 0 89
OUTLINECOLOR 255 255 255
ANTIALIAS TRUE
END
END
#
# Start of ScaleBar definition
#
SCALEBAR
STATUS off
TRANSPARENT off
INTERVALS 4
SIZE 200 3
UNITS kilometers
COLOR 250 250 250
OUTLINECOLOR 0 0 0
BACKGROUNDCOLOR 100 100 100
STYLE 0
POSTLABELCACHE true
```



LABEL

COLOR 0 0 90

#OUTLINECOLOR 200 200 200

SIZE small

END # Label

END # Reference

# SYMBOLS USED IN PMAPPER

# - 'circle' always necessary (used e.g. for highlight)

# - 'square' used in currecnt map file

# Symbols can also be defined via tag SYMBOLSET (see above)

Symbol

Name 'circle'

Type ELLIPSE

Filled TRUE

Points

1 1

END

END

Symbol

Name 'square'

Type VECTOR

Filled TRUE

```

Points
  0 1
  0 0
  1 0
  1 1
  0 1
END
END

#===== START OF LAYER SECTION
=====#

# Layer -- Administrasi Kabupaten"
LAYER
  NAME "jember"
  TYPE polygon
  DATA "jember"
  STATUS default # atau ON
  TRANSPARENCY 80
  TEMPLATE void

# METADATA
#  DESCRIPTION "indo"
#  ## ADAPTED TO MULTILINGUAL SHAPEFILE

```

```
# RESULT_FIELDS "NAME_0,NAME_1,KODE"  
# RESULT_HEADERS "Negara>Nama,Kode"  
# LAYER_ENCODING "UTF-8"  
# ows_title "indo"  
# END # Metadata
```

#### CLASS

```
Name 'jember'  
COLOR 200 254 199  
OUTLINECOLOR 0 0 255  
END # Class  
END # Layer
```

```
#Layer JALAN Nasional
```

#### LAYER

```
NAME "jalannasional"  
TYPE line  
DATA "jalannasional"  
STATUS default # atau ON  
TRANSPARENCY 80  
TEMPLATE void
```

```
# METADATA
```

```
# DESCRIPTION "jalannasional"  
# ## ADAPTED TO MULTILINGUAL SHAPEFILE  
# RESULT_FIELDS "NAME_0,NAME_1,KODE"  
# RESULT_HEADERS "Negara>Nama,Kode"  
# LAYER_ENCODING "UTF-8"  
# ows_title "jalannasional"  
# END # Metadata
```

```
CLASS  
Name 'jalannasional'  
COLOR 150 250 0  
END # Class  
END # Layer
```

```
#Layer JALAN Propinsi
```

```
LAYER  
NAME "jalanprovinsi"  
TYPE line  
DATA "jalanprovinsi"  
STATUS default # atau ON  
TRANSPARENCY 80  
TEMPLATE void
```



```
# METADATA  
  
# DESCRIPTION "jalanprovinsi"  
  
# ## ADAPTED TO MULTILINGUAL SHAPEFILE  
  
# RESULT_FIELDS "NAME_0,NAME_1,KODE"  
  
# RESULT_HEADERS "Negara>Nama,Kode"  
  
# LAYER_ENCODING "UTF-8"  
  
# ows_title "jalanprovinsi"  
  
# END # Metadata
```

```
CLASS  
  
Name 'jalanprovinsi'  
  
COLOR 255 0 0  
  
END # Class  
  
END # Layer  
  
#Layer JALAN Kabupaten
```

```
LAYER  
  
NAME "jalankabupaten"  
  
TYPE line  
  
DATA "jalankabupaten"  
  
STATUS default # atau ON  
  
TRANSPARENCY 80  
  
TEMPLATE void
```



```

# METADATA

# DESCRIPTION "jalankabupaten"

# ## ADAPTED TO MULTILINGUAL SHAPEFILE

# RESULT_FIELDS "NAME_0,NAME_1,KODE"

# RESULT_HEADERS "Negara>Nama,Kode"

# LAYER_ENCODING "UTF-8"

# ows_title "jalankabupaten"

# END # Metadata

CLASS

  Name 'jalankabupaten'

  COLOR 0 255 0

END # Class

END # Layer

##Layer JALAN

#

#LAYER

# NAME "jalanall"

# TYPE line

# DATA "jalanall"

# STATUS default # atau ON

# TRANSPARENCY 80

```

```
# TEMPLATE void
#
## METADATA
## DESCRIPTION "indo"
## ## ADAPTED TO MULTILINGUAL SHAPEFILE
## RESULT_FIELDS "NAME_0,NAME_1,KODE"
## RESULT_HEADERS "Negara>Nama,Kode"
## LAYER_ENCODING "UTF-8"
## ows_title "indo"
## END # Metadata
#
# CLASS
# Name 'jalanall'
# COLOR 0 255 0
# END # Class
#END # Layer

#Layer JALAN sebagian utk jalan yg disurvey

LAYER
NAME "jalan_survey_1"
TYPE line
DATA "jalan_survey_1"
STATUS default # atau ON
TRANSPARENCY 80
```

```
TEMPLATE void

# METADATA

# DESCRIPTION "indo"

# ## ADAPTED TO MULTILINGUAL SHAPEFILE

# RESULT_FIELDS "NAME_0,NAME_1,KODE"

# RESULT_HEADERS "Negara>Nama,Kode"

# LAYER_ENCODING "UTF-8"

# ows_title "indo"

# END # Metadata

CLASS

  Name 'jalan_survey_1'

  COLOR 0 0 255

END # Class

END # Layer

#Layer jalan survey ke 1

LAYER

  NAME "survey_1"

  TYPE point

  DATA "survey_1"

  STATUS default # atau ON

  TRANSPARENCY 80
```

TEMPLATE void

CLASSITEM "LETAK"

METADATA

DESCRIPTION "survey\_1"

## ADAPTED TO MULTILINGUAL SHAPEFILE

RESULT\_FIELDS

"Id,STA\_m,LETAK,TINGKAT,P\_m,L\_m,D\_cm,A\_m,Lr\_mm,Jenis,Foto\_Rusak,  
Overlay"

RESULT\_HEADERS

"Id,Sta+m,Letak,Tingkat,P(m),L(m),D(m),A(m),Lr(mm),Jenis,Foto,Overlay"

LAYER\_ENCODING "UTF-8"

ows\_title "survey\_1"

END # Metadata

CLASS

NAME "Kiri"

EXPRESSION "KI"

COLOR 0 0 255

OUTLINECOLOR 0 0 0

SYMBOL 'square'

SIZE 12

LABEL

END #Label

END # Class

CLASS

NAME "Kanan"

EXPRESSION "KA"

COLOR 255 0 0

SYMBOL 'circle'

SIZE 12

LABEL

END #Label

END # Class

# CLASS

# Name 'Kerusakan'

# COLOR 255 0 0

# SYMBOL 'circle'

# SIZE 5

# END # Class

END # Layer

#Layer jalan survey ke 2

LAYER

NAME "survey\_2"

TYPE point



```
DATA "survey_2"
STATUS default # atau ON
TRANSPARENCY 80
TEMPLATE void
LABELITEM "ID"
METADATA
  DESCRIPTION "survey_2"
  ## ADAPTED TO MULTILINGUAL SHAPEFILE
  RESULT_FIELDS
    "Id,STA_m,LETAK,TINGKAT,P_m,L_m,D_m,A_m,Lr_mm,Jenis,Gambar"
  RESULT_HEADERS
    "Id,Sta+m,Letak,Tingkat,P(m),L(m),D(m),A(m),Lr(mm),Jenis,Foto"
  # LAYER_ENCODING "UTF-8"
  # ows_title "survey_1"
END # Metadata
CLASS
  Name 'ID'
  COLOR 0 0 255
  SYMBOL 'circle'
  SIZE 5
END # Class
END # Layer
END #Map
```

**LAMPIRAN T. Script Coding untuk membuat form pengaduan website Sistem Pendukung Keputusan Perbaikan Jalan.**

```
<?php
```

```
include_once "./config/config-db.php";
```

```
if(isset($_POST['simpan'])){
```

```
    $namaa          = $_POST['nama'];
```

```
    $alamat         = $_POST['alamat'];
```

```
    $hp             = $_POST['hp'];
```

```
    $keluhan        = $_POST['keluhan'];
```

```
    $ekstensi_diperbolehkan = array('png','jpg');
```

```
    $nama = $_FILES['file']['name'];
```

```
    $x = explode('.', $nama);
```

```
    $ekstensi = strtolower(end($x));
```

```
    $ukuran    = $_FILES['file']['size'];
```

```
    $file_tmp = $_FILES['file']['tmp_name'];
```

```
    if(in_array($ekstensi, $ekstensi_diperbolehkan) === true){
```

```
        if($ukuran < 104407000){
```

```
            move_uploaded_file($file_tmp,
```

```
            'gambar/'.$nama);
```

```
            $query = mysql_query("INSERT INTO
```

```
keluhan(nama,alamat,hp,isi,foto1)
```

```
VALUES('$namaa','$salamat','$hp','$keluhan','$nama')");
```

```
if($query){
```

```
    echo 'FILE BERHASIL DI
```

```
    UPLOAD';
```

```
    }else{
```

```
        echo 'GAGAL MENGUPLOAD
```

```
        GAMBAR';
```

```
    }
```

```
    }else{
```

```
        echo 'UKURAN FILE TERLALU BESAR';
```

```
    }
```

```
    }else{
```

```
        echo 'EKSTENSI FILE YANG DI UPLOAD
```

```
        TIDAK DI PERBOLEHKAN';
```

```
    }
```

```
    echo '<script language="javascript">
```

```
        alert ("Pengaduan Telah Tersimpan");
```

```
        window.location="depan.php?page=master/home";
```

```
    </script>';
```

```
    exit();
```



```
}  
?>  
<html>  
<head>  
<meta name="viewport" content="width=device-width, initial-scale=1">  
<style>  
.login {  
  width: 400px;  
  margin: 16px auto;  
  font-size: 16px;  
}  
/* Reset top and bottom margins from certain elements */  
.login-header,  
.login p {  
  margin-top: 0;  
  margin-bottom: 0;  
}  
.login-header {  
  background: #28d;  
  padding: 20px;  
  font-size: 1.4em;  
  font-weight: normal;  
  text-align: center;  
  text-transform: uppercase;
```



```
    color: #fff;
}

.login-container {
    background: #ebebeb;
    padding: 12px;
}

/* Every row inside .login-container is defined with p tags */
.login p {
    padding: 12px;
}

.login input {
    box-sizing: border-box;
    display: block;
    width: 100%;
    border-width: 1px;
    border-style: solid;
    padding: 16px;
    outline: 0;
    font-family: inherit;
    font-size: 0.95em;
}

.login input[type="email"],
.login input[type="password"] {
    background: #fff;
```

```
border-color: #bbb;
color: #555;
}
/* Text fields' focus effect */
.login input[type="email"]:focus,
.login input[type="password"]:focus {
border-color: #888;
}
.login input[type="submit"] {
background: #28d;
border-color: transparent;
color: #fff;
cursor: pointer;
}
.login input[type="submit"]:hover {
background: #17c;
}
/* Buttons' focus effect */
.login input[type="submit"]:focus {
border-color: #05a;
}

.custom-table{border-collapse:collapse;width:100%;border:solid 1px
```

```

#c0c0c0;font-family:open sans;font-size:11px}

.custom-table th,.custom-table td{text-align:left;padding:8px;border:solid
1px #c0c0c0}

.custom-table th{color:#000080}

.custom-table tr:nth-child(odd){background-color:#f7f7ff}

.custom-table>thead>tr{background-color:#dde8f7!important}

.tbtn{border:0;outline:0;background-color:transparent;font-
size:13px;cursor:pointer}

.toggler{display:none}

.toggler1{display:table-row;}

.custom-table a{color:#0033cc;}

.custom-table a:hover{color:#f00;}

.page-header{background-color:#eee;}

.accordion {
background-color: #eee;
color: #444;
cursor: pointer;
padding: 18px;
width: 100%;
border: none;
text-align: left;
outline: none;
font-size: 15px;
transition: 0.4s;

```

```
}  
  
.active, .accordion:hover {  
    background-color: #ccc;  
}  
  
.panel {  
    padding: 0 18px;  
    display: none;  
    background-color: white;  
    overflow: hidden;  
}  
  
table.blueTable {  
    border: 1px solid #1C6EA4;  
    background-color: #EEEEEE;  
    width: 100%;  
    text-align: left;  
    border-collapse: collapse;  
}  
  
table.blueTable td, table.blueTable th {  
    border: 1px solid #AAAAAA;  
    padding: 3px 2px;  
}  
  
table.blueTable tbody td {
```

```
font-size: 13px;
}
table.blueTable tr:nth-child(even) {
    background: #D0E4F5;
}
table.blueTable thead {
    background: #1C6EA4;
    background: -moz-linear-gradient(top, #5592bb 0%, #327cad 66%, #1C6EA4
100%);
    background: -webkit-linear-gradient(top, #5592bb 0%, #327cad 66%, #1C6EA4
100%);
    background: linear-gradient(to bottom, #5592bb 0%, #327cad 66%, #1C6EA4
100%);
    border-bottom: 2px solid #444444;
}
table.blueTable thead th {
    font-size: 15px;
    font-weight: bold;
    color: #FFFFFF;
    text-align: center;
    border-left: 2px solid #D0E4F5;
}
table.blueTable thead th:first-child {
    border-left: none;
```

```
}

```

```
table.blueTable tfoot {

```

```
    font-size: 14px;

```

```
    font-weight: bold;

```

```
    color: #FFFFFF;

```

```
    background: #D0E4F5;

```

```
    background: -moz-linear-gradient(top, #dcebf7 0%, #d4e6f6 66%, #D0E4F5
100%);

```

```
    background: -webkit-linear-gradient(top, #dcebf7 0%, #d4e6f6 66%, #D0E4F5
100%);

```

```
    background: linear-gradient(to bottom, #dcebf7 0%, #d4e6f6 66%, #D0E4F5
100%);

```

```
    border-top: 2px solid #444444;

```

```
}

```

```
table.blueTable tfoot td {

```

```
    font-size: 14px;

```

```
}

```

```
table.blueTable tfoot .links {

```

```
    text-align: right;

```

```
}

```

```
table.blueTable tfoot .links a{

```

```
    display: inline-block;

```

```
    background: #1C6EA4;

```

```
color: #FFFFFF;

padding: 2px 8px;

border-radius: 5px;

}

</style>

<link href="//maxcdn.bootstrapcdn.com/bootstrap/4.1.1/css/bootstrap.min.css"
rel="stylesheet" id="bootstrap-css">

<script
src="//maxcdn.bootstrapcdn.com/bootstrap/4.1.1/js/bootstrap.min.js"></script>

<script src="//cdnjs.cloudflare.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>

<!------- Include the above in your HEAD tag ----->

</head>

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">

<H2>Data Pengaduan</H2>

<?php

$cekk = $_SESSION['username'];

$jalan = mysql_fetch_array(mysql_query("SELECT u.* FROM user u where
u.username = '$cekk'"));

?>

<br>

<?php
```



```

if($jalan['level']=='u'){ ?>
<div class="login">
<h2 class="login-header">Isi Data Pengaduan Dengan Lengkap</h2>
<form name="form" method="post" action="" class="login-container"
enctype="multipart/form-data">
    <p>
        <input type="text" name="nama" placeholder="Masukkan Nama
Lengkap" required>
    </p>
    <p>
        <input type="text" name="alamat" placeholder="Masukkan Alamat"
required>
    </p>
    <p>
        <input type="text" name="hp" placeholder="Masukkan No HP" required>
    </p>
    <p>
        <input type="text" name="keluhan" placeholder="Masukkan Keluhan"
required>
    </p>
    <p>
        <label for="myfile">Pilih Foto 1</label>
        <input type="file" id="file" name="file"><br><br>

```

```

<label for="myfile">Pilih Foto 2</label>
<input type="file" id="file2" name="file2"><br><br>
</p>
<input type="submit" name="simpan"
value="simpan">
</form>
</div>
<?php
}
else {
?>
<div>
Data Pengaduan Konsumen
<table class="blueTable">
<thead>
<tr>
<th>No</th>
<th>Nama</th>
<th>Alamat</th>
<th>HP</th>
<th>Isi Keluhan</th>
<th>Foto 1</th>
</tr>

```

```
</thead>

<?php
$no=0;
$data = mysql_query("select * from keluhan");
while($keluhan=mysql_fetch_array($data))
{
$no++;
?>
<tbody>
<tr>
<td><?php echo $no;?></td>
<td><?php echo $keluhan[nama];?></td>
<td><?php echo $keluhan[alamat];?></td>
<td><?php echo $keluhan[hp];?></td>
<td><?php echo $keluhan[isi];?></td>
<td><img src = "<?php echo './gambar/'.$keluhan[foto1];?>" width="150"
height="150"></td>

</tr>
<tr>

</tbody>
<?php
```

```
}  
?>  
  
</table>  
  
</div>  
  
<?php  
}  
?>  
  
<script>  
  
$(document).ready(function () {  
    $(".btn").click(function () {  
        $(this).parents(".custom-  
table").find(".toggl1").removeClass("toggl1");  
        $(this).parents("tbody").find(".toggl").addClass("toggl1");  
        $(this).parents(".custom-table").find(".fa-minus-  
circle").removeClass("fa-minus-circle");  
        $(this).parents("tbody").find(".fa-plus-circle").addClass("fa-minus-  
circle");  
    });  
});  
  
var acc = document.getElementsByClassName("accordion");  
var i;  
for (i = 0; i < acc.length; i++) {
```

```
acc[i].addEventListener("click", function() {  
    this.classList.toggle("active");  
    var panel = this.nextElementSibling;  
    if (panel.style.display === "block") {  
        panel.style.display = "none";  
    } else {  
        panel.style.display = "block";  
    }  
});  
}  
</script>  
</body>  
</html>
```



**LAMPIRAN U. Script Coding untuk form tambah data survei di website Sistem Pendukung Keputusan Perbaikan Jalan.**

```
<?php  
  
include_once "./config/config-db.php";  
  
if(isset($_POST['simpan'])){  
  
    $nama          = $_POST['nama'];  
    $kec           = $_POST['kec'];  
    $pseg         = $_POST['pseg'];  
    $seg          = $_POST['seg'];  
    $panj         = $_POST['panj'];  
    $lebar        = $_POST['lebar'];  
    $kelas        = $_POST['kelas'];  
    $kat          = $_POST['kat'];  
  
    mysql_query("INSERT INTO  
survejalan_mst(nama_jalan,kecamatan,panjang_segmen,segmen,panjang,lebar,  
                kelas,kategori)  
  
VALUES('$nama','$kec','$pseg','$seg','$panj','$lebar','$kelas','$kat')");  
  
/*
```

```
echo "INSERT INTO
survejalan_mst(nama_jalan,kecamatan,panjang_segmen,segmen,panjang,lebar,
                kelas,kategori)
VALUES('$nama','$kec','$pseg','$seg','$panj','$lebar','$kelas','$kat')";
*/

echo '<script language="javascript">
        alert ("Data Jalan Baru Telah Disimpan");
        window.location="depan.php?page=nilai/data";
        </script>';
exit();
}

?>

<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<style>
.login {
    width: 400px;
    margin: 16px auto;
    font-size: 16px;
```

```
}  
  
/* Reset top and bottom margins from certain elements */  
  
.login-header,  
  
.login p {  
  
    margin-top: 0;  
  
    margin-bottom: 0;  
  
}  
  
.login-header {  
  
    background: #28d;  
  
    padding: 20px;  
  
    font-size: 1.4em;  
  
    font-weight: normal;  
  
    text-align: center;  
  
    text-transform: uppercase;  
  
    color: #fff;  
  
}  
  
.login-container {  
  
    background: #ebebeb;  
  
    padding: 12px;  
  
}  
  
/* Every row inside .login-container is defined with p tags */  
  
.login p {  
  
    padding: 12px;  
  
}
```



```
.login input {
  box-sizing: border-box;
  display: block;
  width: 100%;
  border-width: 1px;
  border-style: solid;
  padding: 16px;
  outline: 0;
  font-family: inherit;
  font-size: 0.95em;
}
.login input[type="email"],
.login input[type="password"] {
  background: #fff;
  border-color: #bbb;
  color: #555;
}
/* Text fields' focus effect */
.login input[type="email"]:focus,
.login input[type="password"]:focus {
  border-color: #888;
}
.login input[type="submit"] {
  background: #28d;
```

```

border-color: transparent;

color: #fff;

cursor: pointer;

}

.login input[type="submit"]:hover {

background: #17c;

}

/* Buttons' focus effect */

.login input[type="submit"]:focus {

border-color: #05a;

}

.custom-table { border-collapse: collapse; width: 100%; border: solid 1px
#c0c0c0; font-family: open sans; font-size: 11px }

    .custom-table th, .custom-table td { text-align: left; padding: 8px; border: solid
1px #c0c0c0 }

    .custom-table th { color: #000080 }

    .custom-table tr:nth-child(odd) { background-color: #f7f7ff }

    .custom-table >thead>tr { background-color: #dde8f7 !important }

    .tbtn { border: 0; outline: 0; background-color: transparent; font-
size: 13px; cursor: pointer }

    .toggler { display: none }

    .toggler1 { display: table-row; }

```

```
.custom-table a{color: #0033cc;}  
.custom-table a:hover{color: #f00;}  
.page-header{background-color: #eee;}  
  
.accordion {  
  background-color: #eee;  
  color: #444;  
  cursor: pointer;  
  padding: 18px;  
  width: 100%;  
  border: none;  
  text-align: left;  
  outline: none;  
  font-size: 15px;  
  transition: 0.4s;  
}  
  
.active, .accordion:hover {  
  background-color: #ccc;  
}  
  
.panel {  
  padding: 0 18px;  
  display: none;  
  background-color: white;
```

```
overflow: hidden;
}

#customers {
font-family: "Trebuchet MS", Arial, Helvetica, sans-serif;
border-collapse: collapse;
width: 100%;
}

#customers td, #customers th {
border: 1px solid #ddd;
padding: 8px;
}

#customers tr:nth-child(even){background-color: #f2f2f2;}

#customers tr:hover {background-color: #ddd;}

#customers th {
padding-top: 12px;
padding-bottom: 12px;
text-align: left;
background-color: #4CAF50;
color: white;
```



```
}  
</style>  
  
<link href="//maxcdn.bootstrapcdn.com/bootstrap/4.1.1/css/bootstrap.min.css"  
rel="stylesheet" id="bootstrap-css">  
  
<script  
src="//maxcdn.bootstrapcdn.com/bootstrap/4.1.1/js/bootstrap.min.js"></script>  
<script src="//cdnjs.cloudflare.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>  
<!------- Include the above in your HEAD tag ----->  
</head>  
  
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-  
awesome/4.7.0/css/font-awesome.min.css">  
<H2>Data Jalan</H2>  
<br>  
  
<div>  
  
<form name="form" method="post" action="" autocomplete="off" class="login-  
container">  
  
    <table id="customers">
```

```
<tbody>
  <tr>
    <td>Nama Jalan</td><td><input
type="text" id="nama" name="nama" class="form-control"
maxlength="50"></td>
  </tr>
  <tr>
    <td>Kecamatan</td><td><input
type="text" id="kec" name="kec" class="form-control" maxlength="50"></td>
  </tr>
  <tr>
    <td>Panjang
Segmen</td><td><input type="text" id="pseg" name="pseg" class="form-
control" maxlength="50"></td>
  </tr>
  <tr>
    <td>Segmen</td><td><input
type="text" id="seg" name="seg" class="form-control" maxlength="50"></td>
  </tr>
  <tr>
    <td colspan="2"></td>
  </tr>
  <tr>
    <td>Panjang</td><td><input
```

```

type="text" id="panj" name="panj" class="form-control" maxlength="50"></td>
</tr>
<tr>
<td>Lebar</td><td><input
type="text" id="lebar" name="lebar" class="form-control"
maxlength="50"></td>
</tr>
<tr>
<td>Kelas</td><td><input
type="text" id="kelas" name="kelas" class="form-control"
maxlength="50"></td>
</tr>
<tr>
<td>Kategori</td><td><input
type="text" id="kat" name="kat" class="form-control" maxlength="50"></td>
</tr>
<tr>
<td colspan="2"> <input type="submit"
value="Simpan" name="simpan"> <td>
</tr>
</tbody>
</table>
</form>
</div>

```

```
<script>
```

```
$(document).ready(function () {  
    $(".btn").click(function () {  
        $(this).parents(".custom-  
table").find(".toggl1").removeClass("toggl1");  
        $(this).parents("tbody").find(".toggl").addClass("toggl1");  
        $(this).parents(".custom-table").find(".fa-minus-  
circle").removeClass("fa-minus-circle");  
        $(this).parents("tbody").find(".fa-plus-circle").addClass("fa-minus-  
circle");  
    });  
});
```

```
var acc = document.getElementsByClassName("accordion");
```

```
var i;
```

```
for (i = 0; i < acc.length; i++) {  
    acc[i].addEventListener("click", function() {  
        this.classList.toggle("active");  
        var panel = this.nextElementSibling;
```



```
if (panel.style.display === "block") {  
    panel.style.display = "none";  
} else {  
    panel.style.display = "block";  
}  
});  
}  
</script>  
</body>  
</html>
```



**LAMPIRAN V. Script Coding database di SQLyog-64bit untuk website Sistem Pendukung Keputusan Perbaikan Jalan.**

```
DELIMITER $$
```

```
USE `jalan`$$
```

```
DROP VIEW IF EXISTS `v_aaps_1`$$
```

```
CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`%` SQL
```

```
SECURITY DEFINER VIEW `v_aaps_1` AS
```

```
SELECT
```

```
  `sm`.`id_survei`      AS `id_survei`,
```

```
  `sm`.`nama_jalan`    AS `nama jalan`,
```

```
  `sm`.`panjang`      AS `panj_jalan`,
```

```
  `sm`.`lebar`        AS `lebar_jalan`,
```

```
  `seg`.`no`          AS `no_segmen`,
```

```
  `sp`.`sta`          AS `sta`,
```

```
  `seg`.`awal`        AS `awal_segmen`,
```

```
  `seg`.`akhir`       AS `akhir_segmen`,
```

```
  `jr`.`no`           AS `no kerusakan`,
```

```
  `jr`.`nama`         AS `Jenis Kerusakan`,
```

```
  CONCAT(`jr`.`no`,`sp`.`tingkat_kerusakan`) AS `Distress_Severity`,
```

```
  `sp`.`tingkat_kerusakan` AS `tingkat_kerusakan`,
```

```
  COUNT(`sp`.`tingkat_kerusakan`) AS `jml_tk_rusak`,
```

```

SUM(`sp`.`h_a`)      AS `jml_hA`,
FORMAT((((SUM(`sp`.`h_a`) / (`sm`.`lebar` * 100)) * 100),2) AS `density`,
IF((((SUM(`sp`.`h_a`) / (`sm`.`lebar` * 100)) * 100) <
1),ROUND((((SUM(`sp`.`h_a`) / (`sm`.`lebar` * 100)) *
100),1),ROUND((((SUM(`sp`.`h_a`) / (`sm`.`lebar` * 100)) * 100),0)) AS
`density_bulat`
FROM (((`surveijalan_proses` `sp`
LEFT JOIN `mst_jenis_kerusakan` `jr`
ON ((`sp`.`jns_rusak` = `jr`.`no`)))
LEFT JOIN `mst_pci_sta` `seg`
ON ((`sp`.`segmen` = `seg`.`no`)))
LEFT JOIN `surveijalan_mst` `sm`
ON ((`sp`.`id_survei` = `sm`.`id_survei`)))
GROUP BY
`sp`.`id_survei`,`sp`.`segmen`,`sp`.`jns_rusak`,`sp`.`tingkat_kerusakan`
ORDER BY `sp`.`id_survei`,`seg`.`no` $$

DELIMITER ;

DELIMITER $$

```

```
USE `jalan`$$
```

```
DROP VIEW IF EXISTS `v_aaps_final`$$
```

```
CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`%` SQL
```

```
SECURITY DEFINER VIEW `v_aaps_final` AS
```

```
SELECT
```

```
  `vp`.`nama_jalan`      AS `nama_jalan`,
```

```
  `vp`.`id_survei`      AS `id_survei`,
```

```
  `vp`.`no_segmen`     AS `no_segmen`,
```

```
  `vp`.`sta`          AS `sta`,
```

```
  `vp`.`awal_segmen`   AS `awal_segmen`,
```

```
  `vp`.`akhir_segmen` AS `akhir_segmen`,
```

```
  `vp`.`no_kerusakan` AS `no_kerusakan`,
```

```
  `vp`.`tingkat_kerusakan` AS `tingkat_kerusakan`,
```

```
  `vp`.`jml_hA`       AS `jml_hA`,
```

```
  `vp`.`density_bulat` AS `density_bulat`,
```

```
  `dv`.`nilai_total_x` AS `nilai_total_x`,
```

```
  `dv`.`nilai_deduct_y` AS `nilai_deduct_y`
```

```
FROM (`v_aaps_1` `vp`
```

```
  LEFT JOIN `mst_deduct_value` `dv`
```

```
    ON (((`dv`.`jns_rusak` = `vp`.`no_kerusakan`)
```

```
        AND (`dv`.`jns_tingkat` = `vp`.`tingkat_kerusakan`)
```

```

        AND (`dv`.`nilai_total_x` = `vp`.`density_bulat`)))
ORDER BY `vp`.`id_survei`,`vp`.`no_segmen` $$

DELIMITER ;

DELIMITER $$

USE `jalan` $$

DROP VIEW IF EXISTS `v_cdv_1` $$

CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`%` SQL
SECURITY DEFINER VIEW `v_cdv_1` AS
SELECT
  `vp`.`nama_jalan` AS `nama_jalan`,
  `vp`.`id_survei` AS `id_survei`,
  `vp`.`no_segmen` AS `no_segmen`,
  `vp`.`awal_segmen` AS `awal_segmen`,
  `vp`.`akhir_segmen` AS `akhir_segmen`,
  SUM(`vp`.`nilai_deduct_y`) AS `deduct_value`,
  IF((COUNT(`vp`.`nilai_total_x`) > '7'),'7',COUNT(`vp`.`nilai_total_x`)) AS
  `jml_q`
FROM `v_aaps_final` `vp`

```

```

WHERE (`vp`.`nilai_deduct_y` > 5)

GROUP BY `vp`.`id_survei`,`vp`.`awal_segmen`

ORDER BY `vp`.`no_segmen`$$

DELIMITER ;

DELIMITER $$

USE `jalan`$$

DROP VIEW IF EXISTS `v_cdv_2`$$

CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`%` SQL
SECURITY DEFINER VIEW `v_cdv_2` AS
SELECT `vq`.`nama_jalan` AS `nama_jalan`,`vq`.`id_survei` AS
`id_survei`,`vq`.`no_segmen` AS `no_segmen`,`vq`.`awal_segmen` AS
`awal_segmen`,`vq`.`akhir_segmen` AS `akhir_segmen`,`vq`.`deduct_value` AS
`deduct_value`,`vq`.`jml_q` AS `jml_q`,`(100 - `cdv`.`nilaiy_cdv`) AS `pci`
FROM (`v_cdv_1` `vq` LEFT JOIN `mst_cdv` `cdv` ON(((`cdv`.`q` =
`vq`.`jml_q`) AND (`cdv`.`nilaix_tdv` = ROUND(IF((`vq`.`deduct_value` >
200),'200',`vq`.`deduct_value`),0)))))) ORDER BY `vq`.`no_segmen`$$

DELIMITER ;

```

```
DELIMITER $$
```

```
USE `jalan` $$
```

```
DROP VIEW IF EXISTS `v_cdv_pci_final` $$
```

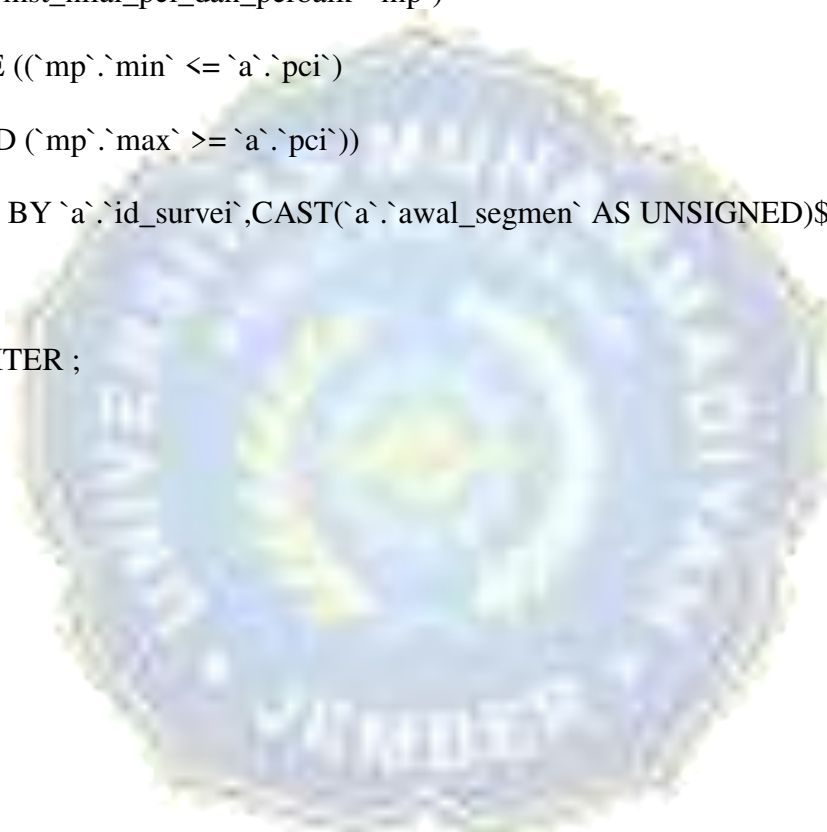
```
CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`%` SQL
```

```
SECURITY DEFINER VIEW `v_cdv_pci_final` AS
```

```
SELECT
```

```
`a`.`nama_jalan`      AS `nama_jalan`,  
`a`.`id_survei`      AS `id_survei`,  
`a`.`no_segmen`      AS `segmen`,  
`a`.`awal_segmen`    AS `awal_segmen`,  
`a`.`akhir_segmen`   AS `akhir_segmen`,  
`a`.`deduct_value`   AS `deduct_value`,  
`a`.`jml_q`          AS `jml_q`,  
`a`.`pci`            AS `pci`,  
`mp`.`kondisi`       AS `kondisi_jalan`,  
`mp`.`metode_perbaikan` AS `metode_perbaikan`,  
`mc`.`nilai_cbr`     AS `nilai_cbr`,  
`ml`.`lhr_2020`      AS `lhr_2020`,  
`ml`.`lep_2020`      AS `lep_2020`,  
`ml`.`lea_2030`      AS `lea_2030`,  
`ml`.`let`           AS `let`,
```

```
`ml`.`ler`      AS `ler`  
FROM (((`v_cdv_2` `a`  
    LEFT JOIN `mst_cbr` `mc`  
        ON ((`mc`.`id_survei` = `a`.`id_survei`)))  
    LEFT JOIN `mst_lhr` `ml`  
        ON ((`ml`.`id_survei` = `a`.`id_survei`)))  
    JOIN `mst_nilai_pci_dan_perbaik` `mp`)  
WHERE ((`mp`.`min` <= `a`.`pci`)  
    AND (`mp`.`max` >= `a`.`pci`))  
ORDER BY `a`.`id_survei`,CAST(`a`.`awal_segmen` AS UNSIGNED)$$  
  
DELIMITER ;
```





```
DELIMITER $$
```

```
USE `jalan` $$
```

```
DROP VIEW IF EXISTS `v_luasjalan` $$
```

```
CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`%` SQL
```

```
SECURITY DEFINER VIEW `v_luasjalan` AS
```

```
SELECT
```

```
  `m`.`id_survei` AS `id_survei`,
```

```
  `m`.`nama_jalan` AS `nama_jalan`,
```

```
  (`m`.`panjang` * `m`.`lebar`) AS `luas_jalan`
```

```
FROM `survejalan_mst` `m`
```

```
GROUP BY `m`.`id_survei` $$
```

```
DELIMITER ;
```

```
DELIMITER $$
```

```
USE `jalan` $$
```

```
DROP VIEW IF EXISTS `v_luasprosen` $$
```

```
CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`%` SQL
```

```
SECURITY DEFINER VIEW `v_luasprosen` AS
```

```
SELECT
```

```
  `l`.`id_survei` AS `id_survei`,
```

```
  `l`.`nama_jalan` AS `nama_jalan`,
```

```
  `l`.`luas_jalan` AS `luas_jalan`,
```

```
  `r`.`luasrusak` AS `luasrusak`,
```

```
  ((`r`.`luasrusak` / `l`.`luas_jalan`) * 100) AS `prosenrusak`,
```

```
  (100 - ((`r`.`luasrusak` / `l`.`luas_jalan`) * 100)) AS `prosenbaik`
```

```
FROM (`v_luasjalan` `l`
```

```
  LEFT JOIN `v_luasrusak` `r`
```

```
    ON ((`l`.`id_survei` = `r`.`id_survei`))) $$
```

```
DELIMITER ;
```

```
DELIMITER $$
```

```
USE `jalan` $$
```

```
DROP VIEW IF EXISTS `v_luasrusak` $$
```

```
CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`%` SQL
```

```
SECURITY DEFINER VIEW `v_luasrusak` AS
```

```
SELECT
```

```
  `vp`.`id_survei` AS `id_survei`,
```

```
  SUM(`vp`.`luas_rusak`) AS `luasrusak`
```

```
FROM `v_perbaikan_fix` `vp`
```

```
GROUP BY `vp`.`id_survei` $$
```

```
DELIMITER ;
```

```
DELIMITER $$
```

```
USE `jalan` $$
```

```
DROP VIEW IF EXISTS `v_mst_segmen` $$
```

```
CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`%` SQL
```

```
SECURITY DEFINER VIEW `v_mst_segmen` AS
```

```
SELECT
```

```
  `m`.`id_survei` AS `id_survei`,
```

```
  `m`.`nama_jalan` AS `nama_jalan`,
```

```
  `m`.`panjang` AS `panjang`,
```

```
  `m`.`lebar` AS `lebar`,
```

```
  `m`.`segmen` AS `segmen`,
```

```
  (`m`.`lebar` * 100) AS `luas_segmen`,
```

```
  ((`m`.`lebar` * 100) / 2) AS `var_segmen`
```

```
FROM `survejalan_mst` `m`
```

```
GROUP BY `m`.`id_survei` $$
```

```
DELIMITER ;
```

```
DELIMITER $$
```

```
USE `jalan` $$
```

```
DROP VIEW IF EXISTS `v_perbaikan` $$
```

```
CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`%` SQL
```

```
SECURITY DEFINER VIEW `v_perbaikan` AS
```

```
SELECT
```

```
  `va`.`id_survei`      AS `id_survei`,
```

```
  `va`.`no_segmen`    AS `no_segmen`,
```

```
  SUM(`va`.`jml_hA`)  AS `luas_rusak`,
```

```
  (`vm`.`luas_segmen` - SUM(`va`.`jml_hA`)) AS `nilai_hasil`,
```

```
  `va`.`no_kerusakan` AS `jns_rusak`,
```

```
  IF(((`vm`.`luas_segmen` - SUM(`va`.`jml_hA`)) <
```

```
  `vm`.`var_segmen`),'Overlay','Tambal Setempat') AS `perbaikan`,
```

```
  `mp`.`perbaikan_BinaMarga` AS `perbaikan_BinaMarga`
```

```
FROM ((`v_aaps_final` `va`
```

```
  LEFT JOIN `v_mst_segmen` `vm`
```

```
    ON ((`va`.`id_survei` = `vm`.`id_survei`)))
```

```
  LEFT JOIN `mst_met_perbaikan_fix` `mp`
```

```
    ON ((`mp`.`no_jenis_rusak` = `va`.`no_kerusakan`)))
```

```
GROUP BY `va`.`id_survei`, `va`.`no_segmen` $$
```

```
DELIMITER ;
```

```
DELIMITER $$
```

```
USE `jalan`$$
```

```
DROP VIEW IF EXISTS `v_perbaikan_fix`$$
```

```
CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`%` SQL
```

```
SECURITY DEFINER VIEW `v_perbaikan_fix` AS
```

```
SELECT
```

```
`a`.`id_survei` AS `id_survei`,
```

```
`a`.`segmen` AS `segmen`,
```

```
`a`.`luas_rusak` AS `luas_rusak`,
```

```
`a`.`nilai_hasil` AS `nilai_hasil`,
```

```
`a`.`perbaikan` AS `perbaikan`,
```

```
`b`.`kerusakan` AS `kerusakan`,
```

```
`b`.`nm_perbaikan` AS `nm_perbaikan`
```

```
FROM (`v_segmen` `a`
```

```
JOIN `v_segmen_perbaikan` `b`
```

```
ON (((`a`.`id_survei` = `b`.`id_survei`)
```

```
AND (`a`.`segmen` = `b`.`no_segmen`))))$$
```

```
DELIMITER ;
```

```
DELIMITER $$
```

```
USE `jalan` $$
```

```
DROP VIEW IF EXISTS `v_saran` $$
```

```
CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`%` SQL
```

```
SECURITY DEFINER VIEW `v_saran` AS
```

```
SELECT
```

```
`sm`.`id_survei` AS `id_survei`,  
`sm`.`nama_jalan` AS `nama_jalan`,  
`sm`.`panjang` AS `panjang`,  
`sm`.`lebar` AS `lebar`,  
`sm`.`segmen` AS `segmen`,  
`sm`.`kategori` AS `fungsi`,  
`sm`.`kelas` AS `kelas`,  
`sm`.`tgl_evaluasi` AS `tgl_evaluasi`,  
`sp`.`tglperbaikan` AS `tglperbaikan`,  
`sp`.`foto` AS `foto`,  
`lp`.`luas_jalan` AS `luas_jalan`,  
`lp`.`luasrusak` AS `luasrusak`,  
`lp`.`prosenbaik` AS `prosenbaik`,  
`lp`.`prosenrusak` AS `prosenrusak`,  
`fr`.`iklim` AS `iklim`,
```

```

`fr`.`under`      AS `under`,
`mq`.`nama_material` AS `nama_material`,
`sr`.`cbr`        AS `cbr`,
`sr`.`lhr`        AS `lhr`,
`d`.`klasifikasi` AS `drainase`
FROM ((((((`surveijalan_mst` `sm`
    LEFT JOIN `v_luasprosen` `lp`
        ON ((`sm`.`id_survei` = `lp`.`id_survei`)))
    LEFT JOIN `surveijalan_perbaikan` `sp`
        ON ((`sm`.`id_survei` = `sp`.`id_survei`)))
    LEFT JOIN `survei_saran` `sr`
        ON ((`sm`.`id_survei` = `sr`.`id_survei`)))
    LEFT JOIN `mst_fr2` `fr`
        ON ((`sr`.`idfr` = `fr`.`idfr`)))
    LEFT JOIN `mst_materialquality` `mq`
        ON ((`sr`.`id_material` = `mq`.`id_material`)))
    LEFT JOIN `mst_kond_drainase` `d`
        ON ((`d`.`kode` = `sr`.`drainase`))))))$$

```

DELIMITER ;



```
DELIMITER $$
```

```
USE `jalan` $$
```

```
DROP VIEW IF EXISTS `v_segmen` $$
```

```
CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`%` SQL
```

```
SECURITY DEFINER VIEW `v_segmen` AS
```

```
SELECT
```

```
  `j`.`id_survei` AS `id_survei`,
```

```
  `j`.`segmen` AS `segmen`,
```

```
  SUM(`j`.`h_a`) AS `luas_rusak`,
```

```
  (`v`.`luas_segmen` - SUM(`j`.`h_a`)) AS `nilai_hasil`,
```

```
  IF(((`v`.`luas_segmen` - SUM(`j`.`h_a`)) < `v`.`var_segmen`),'Overlay','Tambal
```

```
Setempat') AS `perbaikan`
```

```
FROM (`surveijalan_proses` `j`
```

```
  LEFT JOIN `v_mst_segmen` `v`
```

```
    ON ((`v`.`id_survei` = `j`.`id_survei`)))
```

```
WHERE (`j`.`id_survei` = '1')
```

```
GROUP BY `j`.`id_survei`,`j`.`segmen`
```

```
ORDER BY `j`.`id_survei`,CAST(`j`.`segmen` AS SIGNED)) $$
```

```
DELIMITER ;
```

```
DELIMITER $$
```

```
USE `jalan`$$
```

```
DROP VIEW IF EXISTS `v_segmen_perbaikan`$$
```

```
CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`%` SQL
```

```
SECURITY DEFINER VIEW `v_segmen_perbaikan` AS
```

```
SELECT
```

```
  `va`.`id_survei` AS `id_survei`,
```

```
  `va`.`no_segmen` AS `no_segmen`,
```

```
  GROUP_CONCAT(DISTINCT '<br>', `va`.`no_kerusakan`, '-
```

```
`, `f`.`nama_jenis_rusak` ORDER BY `va`.`no_kerusakan` ASC SEPARATOR ',')
```

```
AS `kerusakan`,
```

```
  IF(((`vm`.`luas_segmen` - SUM(`va`.`jml_hA`)) <
```

```
  `vm`.`var_segmen`), 'Overlay', 'Tambal Setempat') AS `perbaikan`,
```

```
  GROUP_CONCAT(DISTINCT '<br>', `f`.`perbaikan_BinaMarga`, '-
```

```
`, `p`.`metode_perbaikan` SEPARATOR ',') AS `nm_perbaikan`
```

```
FROM (((`v_aaps_final` `va`
```

```
  LEFT JOIN `v_mst_segmen` `vm`
```

```
    ON ((`va`.`id_survei` = `vm`.`id_survei`)))
```

```
  LEFT JOIN `mst_met_perbaikan_fix` `mp`
```

```
    ON ((`mp`.`no_jenis_rusak` = `va`.`no_kerusakan`)))
```

```
  LEFT JOIN `mst_met_perbaikan_fix` `f`
```

```
ON ((f.`no_jenis_rusak` = `va`.`no_kerusakan`))  
LEFT JOIN `mst_met_perbaikan` `p`  
ON ((f.`perbaikan_BinaMarga` = `p`.`kode`))  
GROUP BY `va`.`id_survei`,`va`.`no_segmen`$$  
  
DELIMITER ;
```

