

LAMPIRAN

Lampiran 1 Jadwal Kereta Api yang melintas JPL 729 KM 537+928
(Pagi/06.00-14.00)

No.	No. KA/PLB	Nama Kereta Api	Jam Lewat JPL No	
			727	729
1	2730	SEMEN	6.14	6.15
2	186	PROGO	6.28	6.29
3	251	PRAMEKS	6.29	6.30
4	252	PRAMEKS	7.02	7.03
5	117	FAJAR UTAMA YK	7.05	7.06
6	159	JOGLOKERTO	7.15	7.16
7	138 F	PARCEL	7.49	7.50
8	51	TAKSAKA	8.05	8.06
9	79	LODAYA	8.13	8.14
10	2734	SEMEN	8.14	8.15
11	KP/ 10590	WIJAYA KUSUMA	8.15	8.16
12	188	LOGAWA	8.33	8.34
13	7	ARGOLAWU	9.02	9.03
14	151	BOGOWONTO	9.12	9.13
15	KP/10331	WIJAYA KUSUMA	9.34	9.35
16	256	PRAMEKS	9.38	9.39
17	102	RANGGAJATI	9.45	9.46
18	7F	ARGOLAWU F	10.05	10.06
19	L2618-1	LOK DINAS	10.34	10.35
20	135 F	PARCEL	10.48	10.49
21	2618	BBM	11.16	11.17
22	LL 604	LOK DINAS	11.27	11.28
23	"5	ARGO WILIS	11.30	11.31
24	155a	SINGASARI	12.55	12.56
25	LL 605	LOK DINAS	13.19	13.20

(Pagi/06.00-14.00) Lanjutan

No.	No. KA/PLB	Nama Kereta Api	Jam Lewat JPL No	
			727	729
26	L 2634	LOK DINAS	13.27	13.28
27	259	PRAMEKS	13.37	13.38
28	160	JOGLOKERTO	13.49	13.50

(SIANG/14.00-22.00)

No.	No. KA/PLB	Nama Kereta Api	Jam lewat Jpl. No	
			727	729
1	180	PASUNDAN	14.16	14.17
2	179	PASUNDAN	14.18	14.19
3	118	FAJAR UTAMA YK	14.29	14.30
4	101	RANGGAJATI	14.43	14.44
5	154	GAJAHWONG	14.47	14.48
6	185	PROGO	14.53	14.54
7	80	LODAYA	15.06	15.07
8	2736	SEMEN	15.24	15.25
9	10	ARGO DWIPANGGA	15.33	15.34
10	183	BENGAWAN	15.34	15.35
11	6	ARGO WILIS	15.46	15.47
12	52	TAKSAKA	16.19	16.20
13	187	LOGAWA	16.40	16.41
14	266	PRAMEKS	16.52	16.53
15	173	GAYABARU MALAM	17.16	17.17
16	10 F	ARGO DWIPANGGA F	17.23	17.24
17	265	PRAMEKS	17.29	17.30
18	119	SENJA UTAMA YK	17.50	17.51
19	KP/10692	WIJAYAKUSUMA	18.00	18.01
20	153	GAJAHWONG	18.13	18.14
21	181	KAHURIPAN	18.23	18.24
22	2748F	SEMEN	18.30	18.31

(SIANG/14.00-22.00) Lanjutan

No.	No. KA/PLB	Nama Kereta Api	Jam lewat Jpl. No	
			727	729
23	115	SENJA UTAMA SLO	18.45	18.46
24	147	JAKA TINGKIR	19.03	19.04
25	174	GAYABARU MALAM	19.05	19.06
26	2733	SEMEN	19.17	19.18
27	2761 F	PUPUK	19.31	19.32
28	184	BENGAWAN	19.33	19.34
29	268	PRAMEKS	19.52	19.53
30	53	TAKSAKA	20.05	20.06
31	81	LODAYA	20.13	20.14
32	148	JAKA TINGKIR	20.32	20.33
33	41	GAJAYANA	20.35	20.36
34	KP/10067	JAYAKARTA	20.42	20.43
35	KP/10557	WIJAYAKUSUMA	20.52	20.53
36	9	ARGO DWIPANGGA	21.02	21.03
37	156a	SINGASARI	21.14	21.15
38	49	TURANGGA	21.30	21.31
39	KP/10068	JAYAKARTA	21.49	21.50
40	LL 606	LOK DINAS	22.02	22.03

(MALAM/22.00-06.00)

No.	No. KA/PLB	Nama Kereta Api	Jam Lewat JPL No	
			727	729
1	43	BIMA	22.05	22.05
2	9 F	ARGO DWIPANGGA.F	22.40	22.40
3	L 2633	LOK DINAS	23.19	23.18
4	91	MALABAR	23.35	23.35
5	2735	SEMEN	23.50	23.49
6	92	MALABAR	23.54	23.550
7	111	MUTIARA SELATAN	00.21	00.20

(MALAM/22.00-06.00) Lanjutan

No.	No. KA/PLB	Nama Kereta Api	Jam Lewat JPL No	
			727	729
8	44	BIMA	00.34	00.35
9	112	MUTIARA SELATAN	1.17	1.18
10	42	GAJAYANA	1.41	1.42
11	182	KAHURIPAN	2.31	2.32
12	2617	BBM AFTUR	2.31	2.32
13	82	LODAYA	2.51	2.52
14	120	SENJA UTAMA YK	3.07	3.08
15	50	TURANGGA	3.19	3.20
16	L 2617-2	LOK DINAS	3.29	3.30
17	2729	BARANG SEMEN	3.30	3.31
18	8	ARGOLAWU	3.42	3.43
19	LL 603	LOK DINAS	3.49	3.50
20	133	PARCEL	4.08	4.09
21	54	TAKSAKA	4.09	4.10
22	134	PARCEL	4.35	4.36
23	249	PRAMEKS	4.36	4.37
24	8F	ARGOLAWU.F	4.52	4.53
25	2747 F	SEMEN	5.17	5.18
26	2762	PUPUK	5.19	5.20
27	157	BOGOWONTO	5.38	5.39
28	116	SENJA UTAMA SLO	5.47	5.48

Lampiran 2 Survei Lalu Lintas serta Mencari Nilai Skr

(Selasa, 6 Maret 2018).

No	Jam	Tundaan di pintu selatan						Tundaan di pintu utara						Tundaan di pintu selatan (Skr)						Tundaan di pintu utara (Skr)								
		KR	KS	KB /T B	S M	K T B	Total	KR	KS	KB /T B	S M	K T B	Total	KR	KS	KB /T B	SM	K T B	Total	KR	KS	KB /T B	SM	K T B	Total			
1	7.05	10	3	0	55	3	71	8	3	0	76	0	87	10	4.5	0	49.5	3	46.9	8	4.5	0	68.4	0	57.5			
2	7.15	7	4	0	58	0	69	13	0	0	64	0	77	7	6	0	52.2	0	47	13	0	0	57.6	0	51.4			
3	8.02	3	1	0	47	0	51	7	0	0	65	0	72	3	1.5	0	42.3	0	32.5	7	0	0	58.5	0	46			
4	8.11	8	0	0	63	0	71	5	0	0	73	0	78	8	0	0	56.7	0	45.8	5	0	0	65.7	0	48.8			
5	8.40	5	0	0	31	0	36	5	0	1	73	0	79	5	0	0	27.9	0	23.6	5	0	2.5	65.7	0	51.3			
6	8.55	23	0	0	86	0	109	7	0	0	50	0	57	23	0	0	77.4	0	74.6	7	0	0	45	0	37			
7	9.00	1	6	1	39	1	48	4	0	1	45	0	50	1	9	2.5	35.1	1	34.7	4	0	2.5	40.5	0	33.5			
8	9.10	7	0	0	47	0	54	5	0	1	34	1	41	7	0	0	42.3	0	35.2	5	0	2.5	30.6	1	27.9			
9	9.32	8	6	0	51	0	65	7	4	0	39	2	52	8	9	0	45.9	0	46.4	7	6	0	35.1	2	35.6			
10	9.42	11	0	3	49	3	66	9	0	0	60	0	69	11	0	7.5	44.1	3	47.9	9	0	0	54	0	45			
11	10.11	2	1	0	29	0	32	7	0	0	42	0	49	2	1.5	0	26.1	0	20.7	7	0	0	37.8	0	32.2			
12	10.45	6	0	0	26	0	32	13	3	2	92	0	110	6	0	0	23.4	0	21.6	13	4.5	5	82.8	0	77.1			
13	10.53	5	1	0	54	0	60	2	0	1	38	2	43	5	1.5	0	48.6	0	38.7	2	0	2.5	34.2	2	27.3			
14	11.32	11	2	0	39	0	52	5	2	0	28		35	11	3	0	35.1	0	37	5	3	0	25.2	0	24.4			
Volume lalu lintas 5 jam (Kend/jam)							816	Volume lalu lintas 5 jam (Kend/jam)						899	Volume lalu lintas 5 jam (Kend/jam)						759, 1	Volume lalu lintas 5 jam (Kend/jam)						831, 1
Volum Lalu lintas 24 jam (kend/jam)							3916. 8	Volume lalu lintas 24 jam (kend/jam)						431 5.2	Volum Lalu lintas 24 jam (kend/jam)						3646 ,6	Volume lalu lintas 24 jam (kend/jam)						3989 ,28

(Rabu, 7 Maret 2018).

No	Tundaan di pintu selatan						Tundaan di pintu utara						Tundaan di pintu selatan (Skr)						Tundaan di pintu utara (Skr)						
	Jam	K R	K S	KB /T B	S M	K T B	Tota l	K R	K S	KB/T B	SM	K T B	Tota l	K R	KS	KB/ TB	SM	K T B	Tota l	K R	KS	KB /T B	SM	K T B	Tota l
1	7.06	13	2	0	50	4	69	8	0	0	67	0	75	13	3	0	45	4	45.6	8	0	0	60.3	0	48.2
2	7.14	8	2	0	63	2	75	11	0	0	57	0	68	8	3	0	56.7	2	71.8	11	0	0	51.3	0	45.2
3	8.02	2	1	0	42	1	46	6	0	1	58	0	65	2	1.5	0	37.8	1	40.2	6	0	2.5	52.2	0	43.3
4	8.11	3	3	0	44	0	50	6	0	1	72	1	80	3	4.5	0	39.6	0	68.4	6	0	2.5	64.8	1	51.7
5	8.31	2	2	1	54	1	60	6	1	1	33	0	41	2	3	2.5	48.6	1	62.9	6	1.5	2.5	29.7	0	29.6
6	9.00	2	0	0	25	0	27	4	0	1	40	1	46	2	0	0	22.5	0	17	4	0	2.5	36	1	30.5
7	9.10	3	1	0	40	3	47	6	0	1	27	0	34	3	1.5	0	36	3	40	6	0	2.5	24.3	0	24.7
8	9.33	14	0	1	63	1	79	4	4	2	70	1	81	14	0	2.5	56.7	1	54.3	4	6	5	63	1	56.2
9	9.48	5	0	0	42	3	50	6	0	0	37	1	44	5	0	0	37.8	3	30.2	6	0	0	33.3	1	28.2
10	10.29	11	2	0	55	0	68	7	0	2	48	1	58	11	3	0	49.5	0	70	7	0	5	43.2	1	40.8
11	11.27	5	0	0	24	0	29	3	0	0	30	0	33	5	0	0	21.6	0	19.4	3	0	0	27	0	21
12	11.42	14	3	0	85	0	102	19	4	2	106	0	131	14	4.5	0	76.5	0	104	19	6	5	95.4	0	92.8
13	11.54	12	0	1	37	0	50	5	2		33	0	40	12	0	2.5	33.3	0	36.7	5	3	0	29.7	0	27.4
Volume lalu lintas 5 jam (Kend/jam)							752	Volume lalu lintas 5 jam (Kend/jam)					796	Volume lalu lintas 5 jam (Kend/jam)					687,2	Volume lalu lintas 5 jam (Kend/jam)					745,2
Volum Lalu lintas 24 jam (kend/jam)							3610	Volum Lalu lintas 24 jam (kend/jam)					3821	Volum Lalu lintas 24 jam (kend/jam)					3298,08	Volum Lalu lintas 24 jam (kend/jam)					3576,96

(Kamis, 8 Maret 2018).

No	Tundaan di pintu selatan						Tundaan di pintu utara						Tundaan di pintu selatan (Skr)						Tundaan di pintu utara (Skr)									
	Jam	KR	KS	KB/ TB	SM	K T B	Total	KR	KS	KB/ TB	SM	K T B	Total	KR	KS	KB/ TB	SM	KTB	Total	KR	KS	KB/ TB	SM	K T B	Total			
1	7.04	14	2	0	63	0	79	14	1	0	67	0	82	3	2.6	0	56.7	0	54.4	14	1.5	0	60.3	0	55.5			
2	7.14	11	0	0	65	0	76	6	3	0	57	0	66	0	0	0	58.5	0	50	6	4.5	0	51.3	0	44.1			
3	8.02	8	0	0	65	0	73	3	2	0	44	0	49	0	0	0	39	0	47	3	3	0	39.6	0	32			
4	8.11	6	3	0	45	0	54	2	0	0	59	0	61	4.5	3.9	0	27	0	36.9	2	0	0	53.1	0	37.4			
5	8.18	3	2	0	34	0	39	4	1	0	36	0	41	3	2.6	0	20.4	0	26	4	1.5	0	32.4	0	26.9			
6	8.30	2	0	0	35	0	37	4	0	0	46	0	50	0	0	0	21	0	23	4	0	0	41.4	0	31.6			
7	8.59	5	0	0	38	0	43	4	0	0	35	1	40	0	0	0	22.8	0	27.8	4	0	0	31.5	1	25			
8	9.12	1	0	0	23	0	24	9	5	0	31	0	45	0	0	0	13.8	0	14.8	9	7.5	0	27.9	0	34.1			
9	9.32	8	3	0	21	0	32	2	2	0	44	0	48	4.5	3.9	0	12.6	0	24.5	2	3	0	39.6	0	31			
10	9.42	6	2	0	31	1	40	8	3	0	42	0	53	3	2.6	0	18.6	1	27.2	8	4.5	0	37.8	0	37.1			
11	10.28	6	3	0	47	1	57	6	4	0	65	0	75	4.5	3.9	0	28.2	1	38.1	6	6	0	58.5	0	50.2			
12	11.29	6	1	0	53	0	60	5	0	0	50	0	55	1.5	1.3	0	31.8	0	39.1	5	0	0	45	0	35			
13	11.57	4	0	0	39	0	43	8	0	0	45	0	53	0	0	0	23.4	0	27.4	8	0	0	40.5	0	35			
Volume lalu lintas 5 jam (Kend/jam)							657. 0	Volume lalu lintas 5 jam (Kend/jam)						718	Volume lalu lintas 5 jam (Kend/jam)						477.8	Volume lalu lintas 5 jam (Kend/jam)						665.4
Volum Lalu lintas 24 jam (kend/jam)							3153 .6	Volum Lalu lintas 24 jam (kend/jam)						3446	Volum Lalu lintas 24 jam (kend/jam)						2293. 4	Volum Lalu lintas 24 jam (kend/jam)						3193.9

(Jumat, 9 Maret 2018).

No	Tundaan di pintu selatan							Tundaan di pintu utara						Tundaan di pintu selatan (Skr)						Tundaan di pintu utara(Skr)								
	Jam	KR	KS	KB/ TB	SM	K T B	Total	KR	KS	KB/ TB	SM	K T B	Total 1	KR	KS	KB/ TB	SM	K T B	Total 1	KR	KS	KB/ TB	SM	K T B	Total			
1	7.03	6	3	0	58	2	69	8	0	0	63	1	72	6	4.5	0	52.2	0	44.7	8	0	0	37.8	1	45.8			
2	7.13	7	2	0	61	0	70	11	0	1	39	0	51	7	3	0	54.9	0	46.2	11	0	2.5	23.4	0	36.9			
3	8.02	5	3	0	57	0	65	2	0	1	42	0	45	5	4.5	0	51.3	0	43.1	2	0	2.5	25.2	0	29.7			
4	8.11	5	0	0	71	0	76	15	0	0	91	1	107	5	0	0	63.9	0	47.6	15	0	0	54.6	1	69.6			
5	8.20	7	1	0	48	1	57	5	0	1	27	0	33	7	1.5	0	43.2	1	37.1	5	0	2.5	16.2	0	23.7			
6	8.30	6	3	0	20	0	29	9	0	0	40	2	51	6	4.5	0	18	0	21.9	9	0	0	24	2	33			
7	9.00	8	0	0	40	0	48	7	1	0	28	0	36	8	0	0	36	0	32	7	1.5	0	16.8	0	25.1			
8	9.11	5	0	0	24	0	29	5	1	0	49	0	55	5	0	0	21.6	0	19.4	5	1.5	0	29.4	0	35.7			
9	9.32	3	3	0	44	1	51	4	2	0	37	1	44	3	4.5	0	39.6	1	33.3	4	3	0	22.2	1	28.8			
10	9.41	6	2	0	42	0	50	2	1	0	27	2	32	6	3	0	37.8	0	33.8	2	1.5	0	16.2	2	19.5			
11	10.10	7	2	0	36	1	46	6	2	0	45	0	53	7	3	0	32.4	1	31.2	6	3	0	27	0	35.6			
12	10.43	13	3	1	46	1	64	4	1	1	41	0	47	13	4.5	2.5	41.4	1	47	4	1.5	2.5	24.6	0	32.4			
13	10.53	4	1	0	56	0	61	6	3	0	43	0	52	4	1.5	0	50.4	0	38.9	6	4.5	0	25.8	0	35.7			
14	11.31	9	1	0	43	0	53	8	2	0	29	0	39	9	1.5	0	38.7	0	36.1	8	3	0	17.4	0	28			
15	11.52	3	1	0	25	2	31	5	0	0	34	4	43	3	1.5	0	22.5	2	19.3	5	0	0	20.4	0	25.4			
Volume lalu lintas 5 jam (Kend/jam)							799	Volume lalu lintas 5 jam (kend/jam)						760	Volume lalu lintas 5 jam (kend/jam)						737. 9	Volume lalu lintas 5 jam (kend/jam)						698
Volum Lalu lintas 24 jam (kend/jam)							3835 .2	Volume lalu lintas 24 jam (kend/jam)						3648	Volume lalu lintas 24 jam (kend/jam)						3541 .92	Volume lalu lintas 24 jam (kend/jam)						3350 .4

(Sabtu, 10 Maret 2018).

No	Tundaan di pintu selatan						Tundaan di pintu utara						Tundaan di pintu selatan (Skr)						Tundaan di pintu utara(Skr)									
	Jam	KR	KS	KB/ TB	SM	K T B	Total	KR	KS	KB/ TB	SM	K T B	Total	KR	KS	KB/ TB	SM	K T B	Total	KR	KS	KB/ TB	SM	K T B	Total			
1	7.04	11	3	0	65	0	79	9	0	1	55	1	66	11	4.5	0	58.5	0	53.9	9	0	2.5	49.5	1	44.5			
2	7.15	2	0	1	67	3	73	5	0	1	58	10	74	2	0	2.5	60.3	3	44.7	5	0	2.5	52.2	10	42.3			
3	8.02	2	1	0	41	2	46	7	0	1	63	0	71	2	1.5	0	36.9	2	27.9	7	0	2.5	56.7	0	47.3			
4	8.11	6	1	1	60	1	69	9	0	3	55	0	67	6	1.5	2.5	54	1	45.8	9	0	7.5	49.5	0	49.5			
5	8.36	3	0	0	33	0	36	10	0	0	41	0	51	3	0	0	29.7	0	22.8	10	0	0	36.9	0	34.6			
6	9.00	3	0	0	27	1	31	8	0	0	34	0	42	3	0	0	24.3	1	19.2	8	0	0	30.6	0	28.4			
7	9.12	4	0	0	26	0	30	12	2	0	45	0	59	4	0	0	23.4	0	19.6	12	3	0	40.5	0	41.6			
8	9.33	7	0	0	43	0	50	6	4	0	26	0	36	7	0	0	38.7	0	32.8	6	6	0	23.4	0	26.8			
9	9.41	8	0	0	31	1	40	12	2	0	56	1	71	8	0	0	27.9	1	26.6	12	3	0	50.4	1	48.2			
10	10.18	14	1	0	90	2	107	24	2	0	77	0	103	14	1.5	0	81	2	69.3	24	3	0	69.3	0	72.8			
11	10.52	24	3	0	81	1	109	11	1	0	46	0	58	24	4.5	0	72.9	1	76.5	11	1.5	0	41.4	0	39.9			
12	11.01	9	0	0	60	0	69	7	0	0	31	1	39	9	0	0	54	0	45	7	0	0	27.9	1	25.6			
13	11.27	8	1	0	39	0	48	4	1	0	43	0	48	8	1.5	0	35.1	0	32.7	4	1.5	0	38.7	0	31.1			
Volume lalu lintas 5 jam (Kend/jam)							787	Volume lalu lintas 5 jam (Kend/jam)						785	Volume lalu lintas 5 jam (Kend/jam)						717.7	Volume lalu lintas 5 jam (Kend/jam)						724.0
Volum Lalu lintas 24 jam (kend/jam)							3777.6	Volum Lalu lintas 24 jam (kend/jam)						3768	Volum Lalu lintas 24 jam (kend/jam)						3445.0	Volum Lalu lintas 24 jam (kend/jam)						3475.2

Lampiran 3 Durasi Tundaan dan Panjang Antrian

(Selasa, 6 Maret 2018)

Durasi total tundaan (detik)		Durasi total pintu perlintasan ditutup hingga terbuka (Menit)	Durasi ke (Detik)	Panjang antrian (m)	
Motor (detik)	Mobil (detik)			pintu selatan	pintu utara
2 dtk	4 dtk	2.55	153	61	68
1 dtk	4 dtk	3.25	195	57	62
2 dtk	4 dtk	2.53	151.8	48	51
2 dtk	4 dtk	3.31	198.6	72	42
1 dtk	5 dtk	3.28	196.8	70	51
1 dtk	4 dtk	2.57	154.2	130	55
2 dtk	5 dtk	2.46	147.6	68	52
2 dtk	5 dtk	2.38	142.8	70	51
2 dtk	4 dtk	3.55	213	45	95
1 dtk	5 dtk	2.44	146.4	55	95
1 dtk	5 dtk	2.39	143.4	30	52
2 dtk	5 dtk	5	300	30	134
2 dtk	5 dtk	4.2	252	40	42
2 dtk	5 dtk	3.49	209.4	70	29

(Rabu, 7 Maret 2018)

Durasi total tundaan (detik)		Durasi total pintu perlintasan ditutup hingga terbuka (Menit)	Durasi ke (Detik)	Panjang antrian (m)	
Motor (detik)	Mobil (detik)			pintu selatan	pintu utara
2 dtk	6 dtk	2.55	153	45	60
1 dtk	4 dtk	3.35	201	43	67
3 dtk	6 dtk	2.46	147.6	30	62
2 dtk	5 dtk	4.14	248.4	50	60
3 dtk	5 dtk	2.56	153.6	60	60
2 dtk	7 dtk	3.04	182.4	25	30
2 dtk	6 dtk	2.54	152.4	44	50
3 dtk	7 dtk	4.23	253.8	80	90

(Rabu, 7 Maret 2018) Lanjutan

Durasi total tundaan (detik)		Durasi total pintu perlintasan ditutup hingga terbuka (Menit)	Durasi ke (Detik)	Panjang antrian (m)	
Motor (detik)	Mobil (detik)			pintu selatan	pintu utara
3 dtk	5 dtk	3	180	46	55
2 dtk	5 dtk	3.36	201.6	83	100
2 dtk	5 dtk	2.23	133.8	30	50
3 dtk	6 dtk	6.39	383.4	90	160
2 dtk	6 dtk	2.56	153.6	53	45

(Kamis, 8 Maret 2018)

Durasi total tundaan (detik)		Durasi total pintu perlintasan ditutup hingga terbuka (Menit)	Durasi ke (Detik)	Panjang antrian (m)	
Motor (detik)	Mobil (detik)			pintu selatan	pintu utara
1 dtk	6 dtk	2.55	153	83	90
2 dtk	5 dtk	3.35	201	79	89
1 dtk	6 dtk	3	180	70	44
1 dtk	5 dtk	3.02	181.2	60	36
1 dtk	4 dtk	2.4	144	49	38
1 dtk	4 dtk	2.58	154.8	30	45
1 dtk	5 dtk	2.53	151.8	50	45
2 dtk	4 dtk	2.43	145.8	20	100
2 dtk	4 dtk	3.15	189	75	50
2 dtk	4 dtk	2.42	145.2	60	55
1 dtk	5 dtk	4.03	241.8	65	100
2 dtk	5 dtk	2.55	153	53	50
2 dtk	5 dtk	3.48	208.8	50	55

(Jumat, 9 Maret 2018)

Durasi total tundaan (detik)		Durasi total pintu perlintasan ditutup hingga terbuka (Menit)	Durasi ke (Detik)	Panjang antrian (m)	
Motor (detik)	Mobil (detik)			pintu selatan	pintu utara
1 dtk	4 dtk	3.1	186	75	65
1 dtk	7 dtk	3.23	193.8	70	76
2 dtk	4 dtk	3	180	56	33
2 dtk	7 dtk	6.05	363	56	87
2 dtk	5 dtk	3.29	197.4	54	46
2 dtk	4 dtk	2.58	154.8	65	70
2 dtk	4 dtk	3	180	50	52
2 dtk	4 dtk	2.42	145.2	40	56
1 dtk	4 dtk	3.51	210.6	70	48
2 dtk	5 dtk	2.55	153	65	43
2 dtk	5 dtk	3.47	208.2	70	62
1 dtk	4 dtk	4.36	261.6	85	48
1 dtk	5 dtk	2.53	151.8	40	56
2 dtk	5 dtk	2.3	138	70	44
1 dtk	6 dtk	2.4	144	43	42

(Sabtu, 10 Maret 2018)

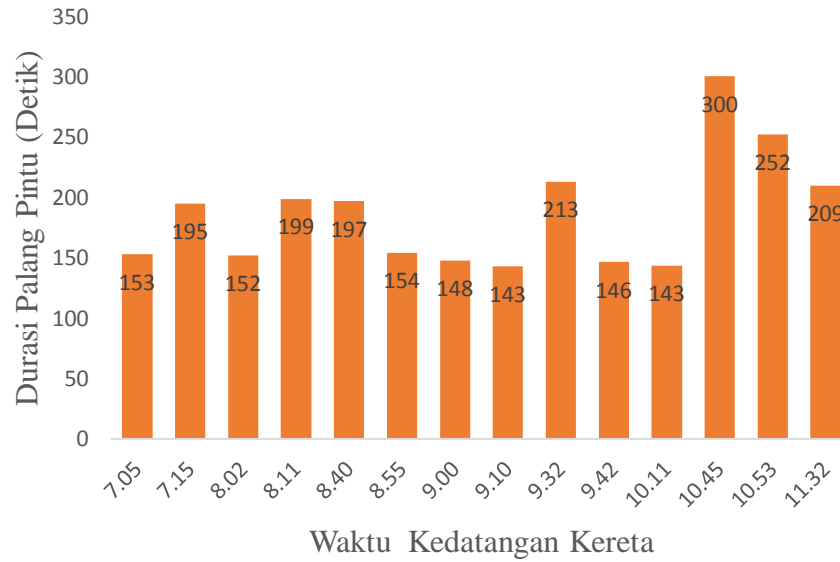
Durasi total tundaan (detik)		Durasi total pintu perlintasan ditutup hingga terbuka (detik)	Durasi ke (Detik)	Panjang antrian (m)	
Motor (detik)	Mobil (detik)			pintu selatan	pintu utara
2 dtk	4 dtk	2.5	150	85	65
2 dtk	5 dtk	2.4	144	51	51
2 dtk	6 dtk	4.2	252	34	51
2 dtk	6 dtk	2.44	146.4	60	68
2 dtk	4 dtk	3.12	187.2	34	60

(Sabtu, 10 Maret 2018) Lanjutan

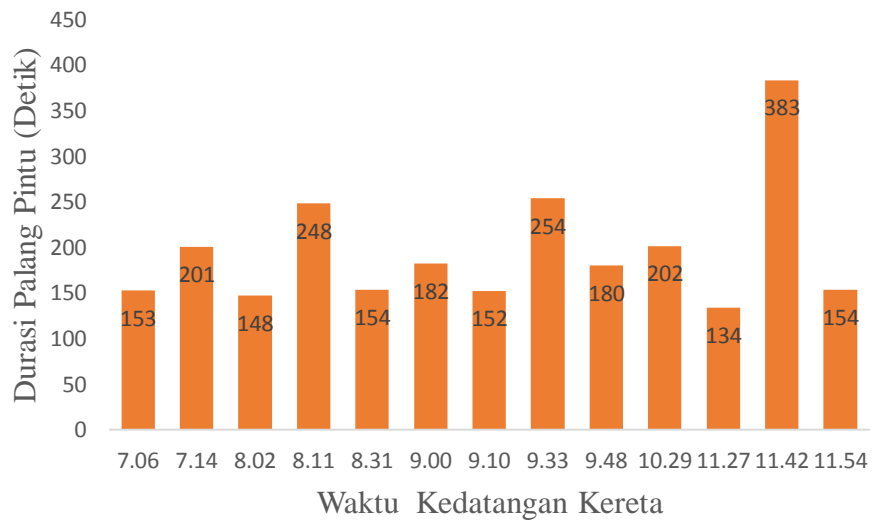
Durasi total tundaan (detik)		Durasi total pintu perlintasan ditutup hingga terbuka (detik)	Durasi ke (Detik)	Panjang antrian (m)	
Motor (detik)	Mobil (detik)			pintu selatan	pintu utara
2 dtk	4 dtk	2.38	142.8	25	50
2 dtk	4 dtk	3.51	210.6	35	65
1 dtk	4 dtk	2.44	146.4	53	60
1 dtk	4 dtk	3.44	206.4	53	70
1 dtk	7 dtk	4.33	259.8	100	68
2 dtk	5 dtk	4.02	241.2	150	55
1 dtk	4 dtk	2.52	151.2	51	35
1 dtk	4 dtk	2.53	151.8	60	44

Lampiran 4 Grafik Tundaan Palang Pintu Perlintasan

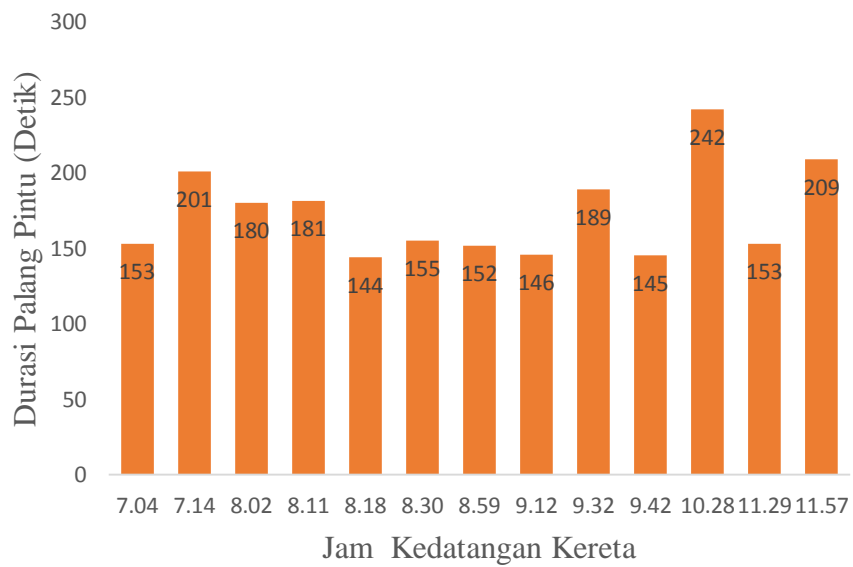
(Selasa, 6 Maret 2018).



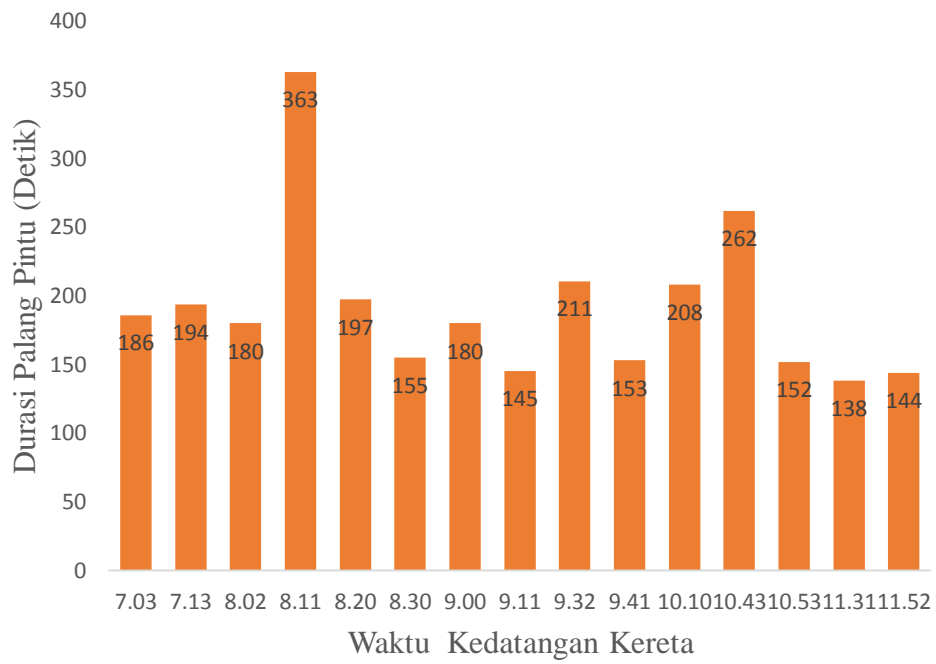
(Rabu, 7 Maret 2018).



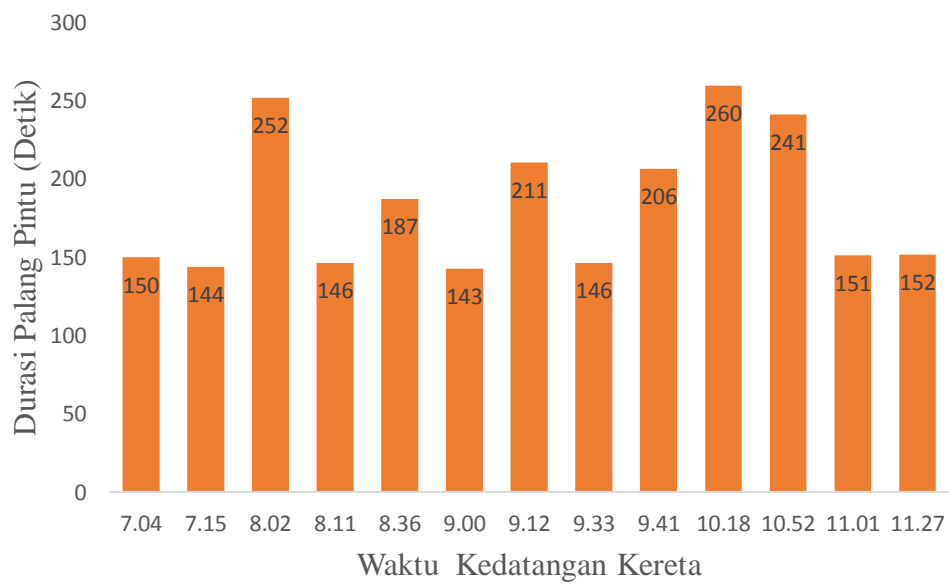
(Kamis, 8 Maret 2018).



(Jumat, 9 Maret 2018).

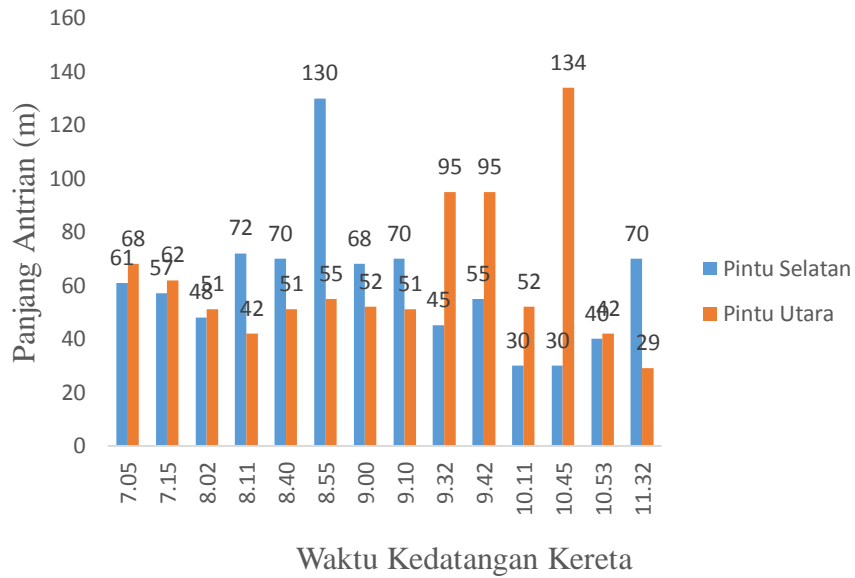


(Sabtu, 10 Maret 2018).

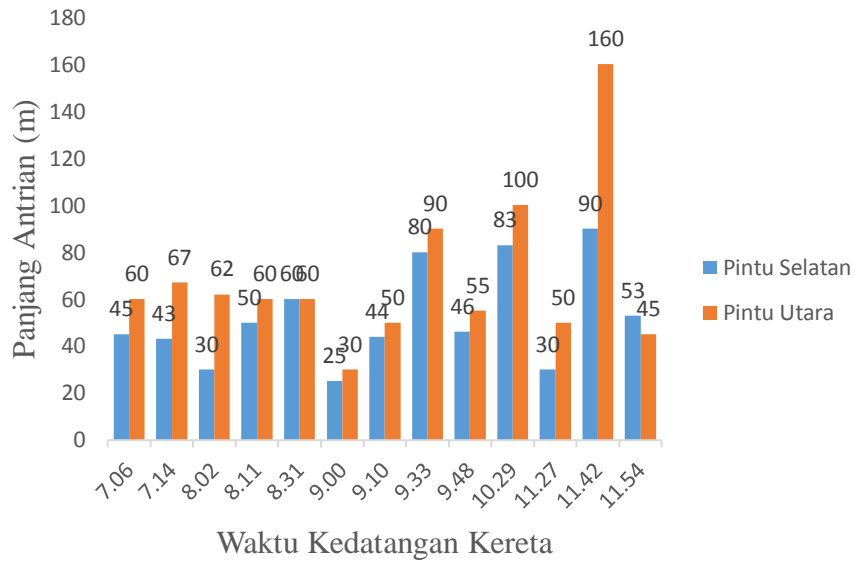


Lampiran 5 Grafik Panjang Antrian

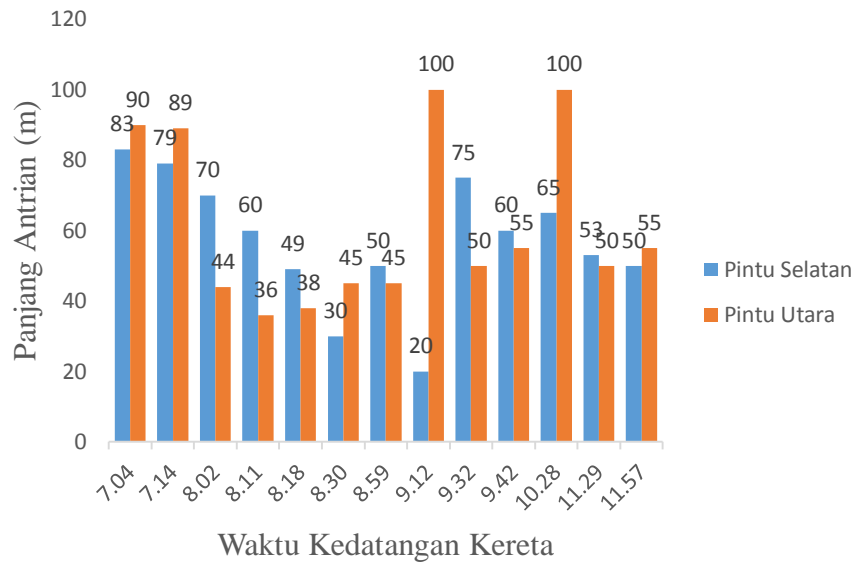
(Selasa, 6 Maret 2018).



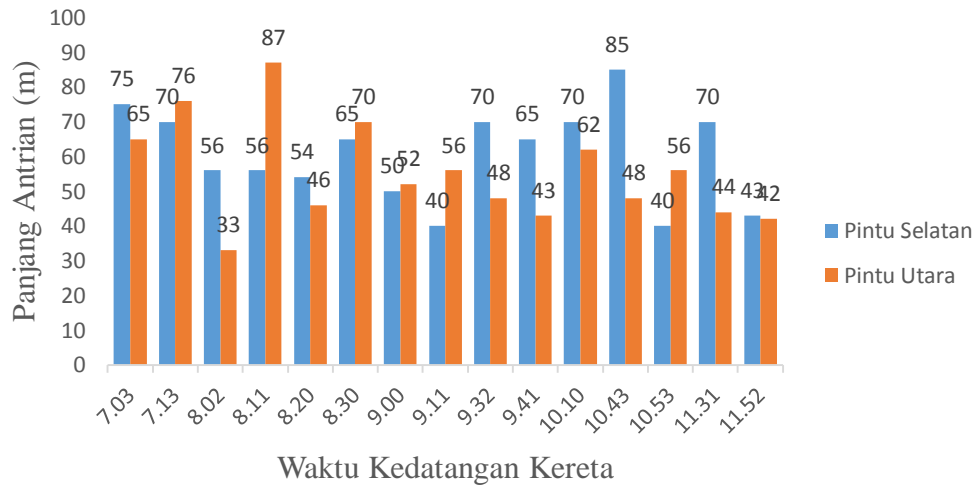
(Rabu, 7 Maret 2018).



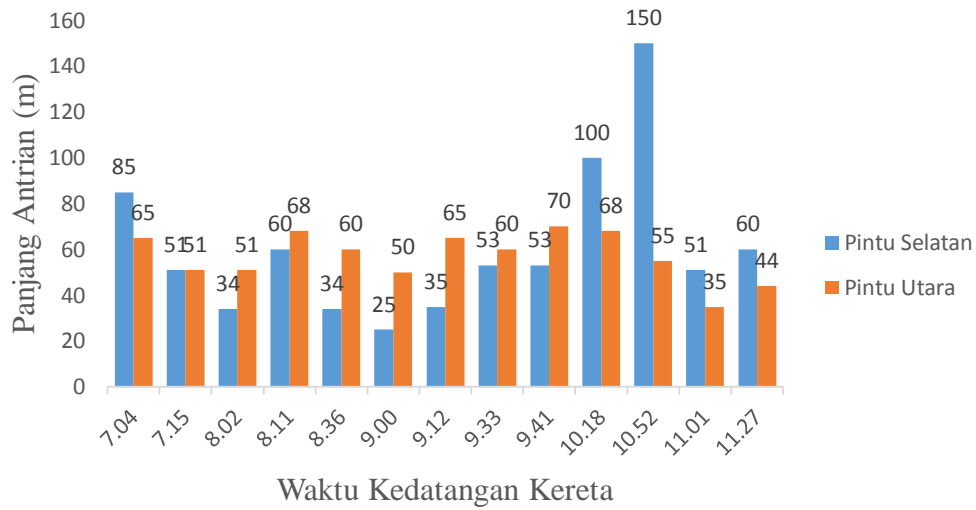
(Kamis, 8 Maret 2018).



(Jumat, 9 Maret 2018)



(Sabtu, 10 Maret 2018)



Lampiran 6 Catatan Survei Pemeliharaan Jalan

SURVAI PEMELIHARAAN JALAN			
CATATAN KONDISI DAN HASIL PENGUKURAN			
Ruas jalan		Cuaca	: Cerah
	: Sidoarum – Gamping (Stasiun Patukan)		
Panjang Jalan	: 400 m	Hari/Tanggal	: Senin, 02-04-2018
Lebar Jalan	: 6 m	Surveyor	: Team
Jenis kerusakan			
1. Retak Buaya (m ²)		11. Tambalan (m)	
2. Kegemukan (m ²)		Pengausan	
3. Retak Kotak-Kotak (m ²)		12. Agregat (m)	
4. Cekungan (m)		13. Lubang (count)	
5. Keriting (m ²)		Perpotongan Rel	
6. Amblas (m ²)		14. (m ²)	
7. Retak Pinggir (m)		Alur (Rutting)	
8. Retak Sambung (m)		15. (m ²)	
9. Pinggir Jalan Turun Vertikal (m)		16. Sungkur (m ²)	
10. Retak Memanjang/Melintang (m)		17. Patah Slip (m ²)	
		Mengembang	
		18. Jebul (m ²)	
		Pelepasan	
		19. Butiran (m ²)	

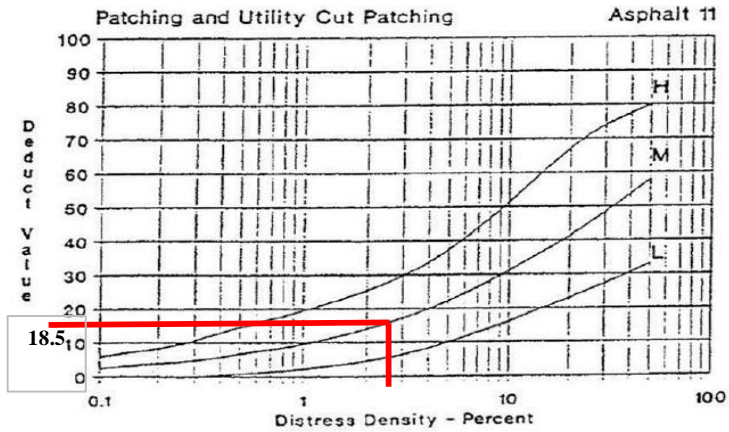
No	STA (KM)	Tingkat Kerusakan	Quantity					Total	Density (%)	Dedut Value	Jenis Kerusakan
			Jumlah	Panjang	Lebar	Diameter	kedalaman				
1	0+010	M		10	1.7			11.7	2.6%	18.5	Tambalan (m)
		L		10	0.01			10.01	2.2%	2.22	Retak Memanjang/Melintang (m)
2	0+020	L		10	1.5			11.5	2.6%	8.5	Tambalan (m)
		M		10	8.2			18.2	4.0%	30.6	Retak Buaya (m ²)
		M		8.9	5			13.9	3.1%	19.5	Tambalan (m)
3	0+030	L		3.8	2.9			6.7	1.5%	22.5	Retak Buaya (m ²)
		M		1.6	0.8			2.4	0.5%	2.5	Retak Kotak-Kotak (m ²)
		M		4.4	2.4			6.8	1.5%	12	Tambalan (m)
		M		3.4	1.7			5.1	1.1%	10.5	Tambalan (m)
3	0+040	L		3.4	1.2			4.6	1.0%	0.25	Tambalan (m)
		M		4.6	2.2			6.8	1.5%	11.5	Tambalan (m)
4	0+050	M		1.2	2.2			3.4	0.8%	9.5	Tambalan (m)
5	0+060	L		5.5	2			7.5	1.7%	13	Tambalan (m)
6	0+070	L		2.9	2.6			5.5	1.2%	12.5	Tambalan (m)
		L		3.3	2.6			5.9	1.3%	11.5	Retak Buaya (m ²)
		L		3.3	2.6			5.9	1.3%	12.9	Tambalan (m)
7	0+080	L		10	2.6			12.6	2.8%	14.5	Tambalan (m)
		L		7.8	1.7			9.5	2.1%	16.5	Tambalan (m)
8	0+090	L		10	2.4			12.4	2.8%	20	Retak Buaya (m ²)
9	0+100	L		3.3	1.3			4.6	1.0%	11.5	Retak Buaya (m ²)
10	0+120	L	1			0.35	0.33	0.68	0.2%	28.5	Lubang (count)
		L		2.7	2.4			5.1	1.1%	3.4	Tambalan (m)

No	STA (KM)	Tingkat Kerusakan	Quantity					Total	Density (%)	Dedut Value	Jenis Kerusakan
			Jumlah	Panjang	Lebar	Diameter	kedalaman				
11	0+130	L		5.3	0.6			5.9	1.3%	9.7	Tambalan (m)
		L		2.4	2.4			4.8	1.1%	2.3	Tambalan (m)
		L		3.3	1.7			5	1.1%	8.5	Tambalan (m)
12	0+160	L	10			0.25	0.05	3	0.7%	49.5	10 Lubang
13	0+170	L		7.1	2.1			9.2	2.0%	6.5	Tambalan (m)
14	0+180	L		2.4	0.5			2.9	0.6%	9.5	Retak Buaya (m ²)
15	0+190	L	2			0.24	0.15	0.78	0.2%	38.5	2 Lubang
16	0+200	L	2			0.39	0.1	0.98	0.2%	40	2 Lubang
		L	4				0.07	4.07	0.9%	11.5	4 Retak Perpotongan
17	0+210	L	5			0.15	0.12	1.35	0.3%	44.5	5 Lubang
18	0+220	L		5	2.1			7.1	1.6%	3.5	Tambalan (m)
19	0+230	L		10	2.1			12.1	2.7%	7.5	Tambalan (m)
		L		10				10	2.2%	8	Retak Memanjang/Melintang (m)
20	0+240	L		8.5	2.1			10.6	2.4%	6.5	Tambalan (m)
21	0+250	L		6	2			8	1.8%	5.5	Tambalan (m)
22	0+270	M		2.7	0.03			2.73	0.6%	8	Retak Memanjang/Melintang (m)
		L	1			0.28	0.18	0.46	0.1%	30	1 Lubang
23	0+290	L		6.7	0.12			6.82	1.5%	4.5	Retak Memanjang/Melintang (m)
		L		2.5	0.12			2.62	0.6%	2.5	Retak Memanjang/Melintang (m)
		L		2.3	2			4.3	1.0%	1.5	Tambalan (m)
24	0+300	M		10	2			12	2.7%	19.5	Tambalan (m)

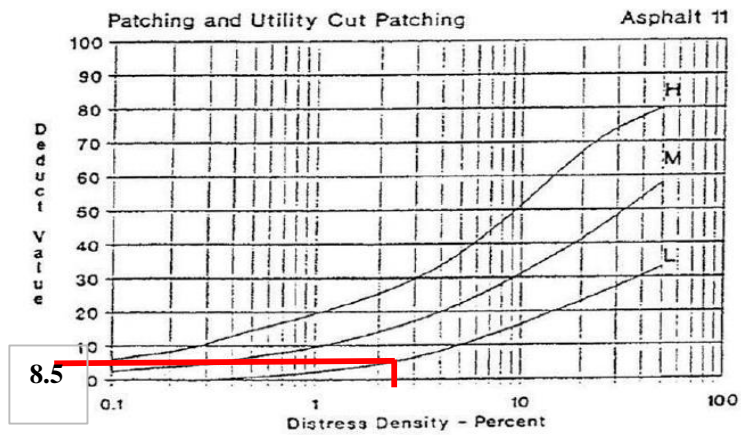
No	STA (KM)	Tingkat Kerusakan	Quantity					Total	Density (%)	Dedut Value	Jenis Kerusakan
			Jumlah	Panjang	Lebar	Diameter	kedalaman				
25	0+310	L		1.5	2			3.5	0.8%	2.5	Tambalan (m)
		L		2.7	3			5.7	1.3%	3.5	Tambalan (m)
		L		10	0.09			10.09	2.2%	8.5	Retak Memanjang/Melintang (m)
26	0+320	L		10	0.09			10.09	2.2%	7.5	Retak Memanjang/Melintang (m)
		L		10	1.9			11.9	2.6%	7	Tambalan (m)
27	0+330	M		10	3			13	2.9%	18.5	Tambalan (m)
28	0+340	L		10				10	2.2%	9.5	Retak Memanjang/Melintang (m)
29	0+360	M		10	0.14			10.14	2.3%	18.5	Retak Memanjang/Melintang (m)
30	0+370	L		10	0.13			10.13	2.3%	8.5	Retak Memanjang/Melintang (m)
31	0+380	L		2.2	3			5.2	1.2%	3	Tambalan (m)
		M		3	0.6			3.6	0.8%	9.5	Tambalan (m)
		M		5.7	1.5			7.2	1.6%	13.5	Tambalan (m)
		L	1			0.2	0.05	0.25	0.1%	18	1 Lubang
33	0+390	L		10	1.5			11.5	2.6%	7.5	Tambalan (m)
34	0+400	L		10	3			13	2.9%	9.5	Tambalan (m)
		L		1.65	0.6			2.25	0.5%	9	Retak Buaya (m ²)

Lampiran 7 Mencari Nilai *Deduct Value* (DV)

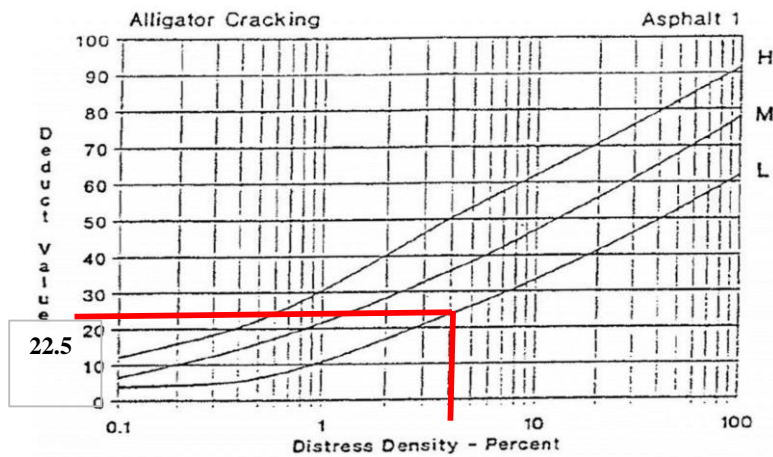
Sta. 0+000 s/d Sta. 0+010 (Tambalan_M) Nilai DV : 18,5



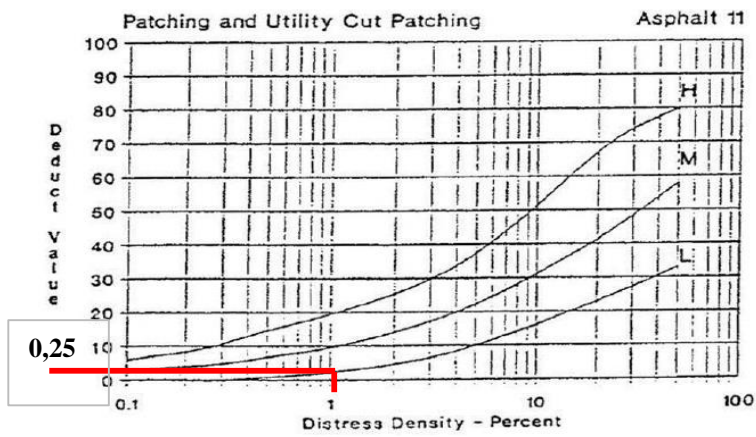
Sta.0+010 s/d Sta. 0+020 (Tambalan_L) Nilai DV : 8,5



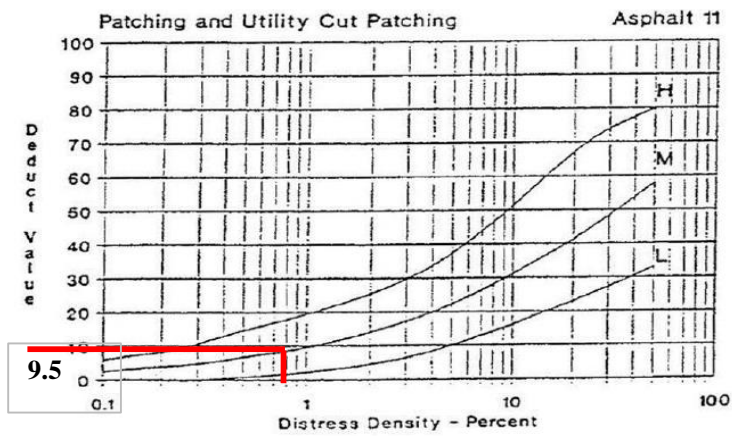
Sta.0+020 s/d Sta. 0+030 (Retak Buaya_M) Nilai DV : 22,5



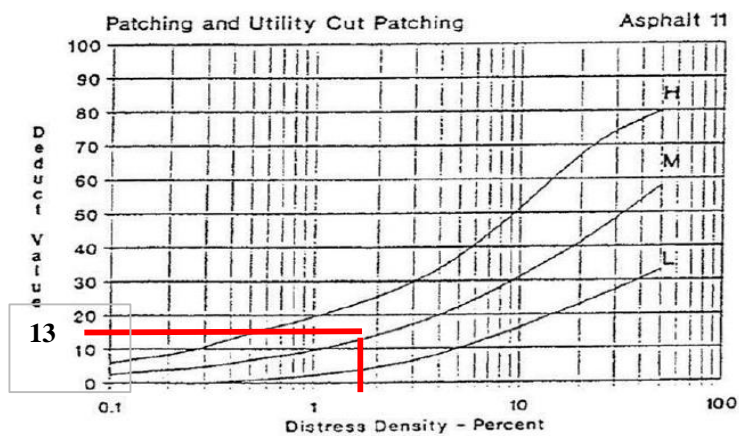
Sta.0+030 s/d Sta. 0+040 (Tambalan_L) Nilai DV : 0,25



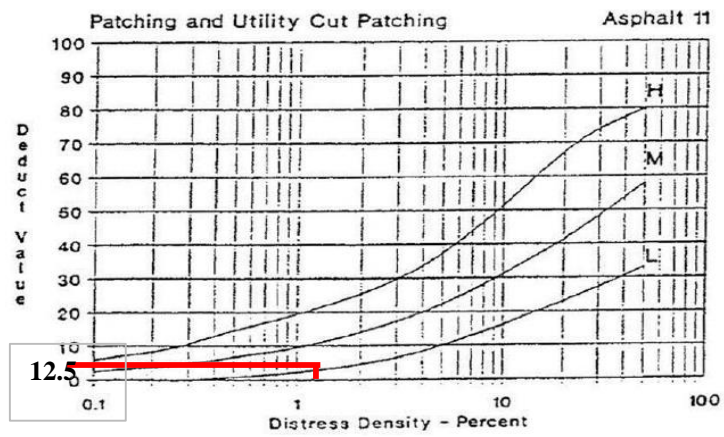
Sta.0+040 s/d Sta. 0+050 (Tambalan_M) Nilai DV : 9,5



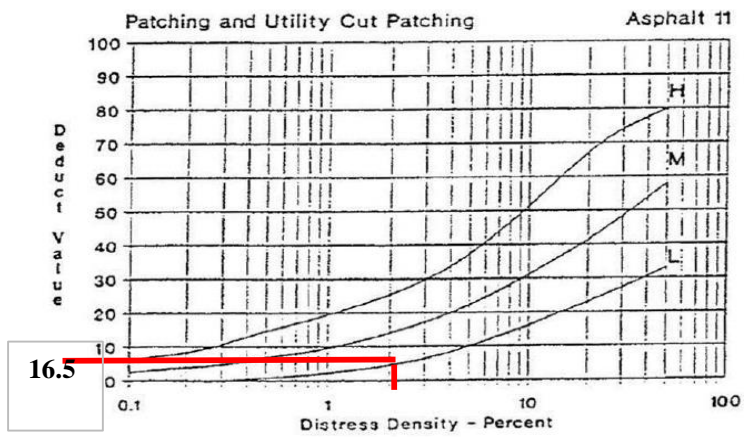
Sta.0+050 s/d Sta. 0+060 (Tambalan_M) Nilai DV: 13



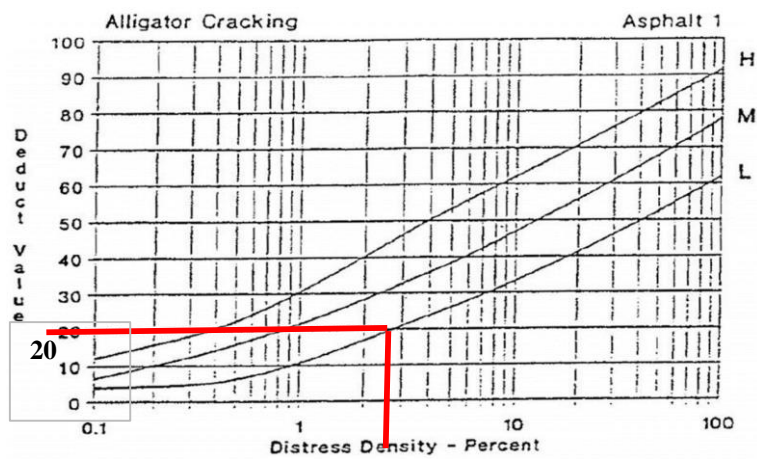
Sta.0+060 s/d Sta. 0+070 (Tambalan_L) Nilai DV: 12,5



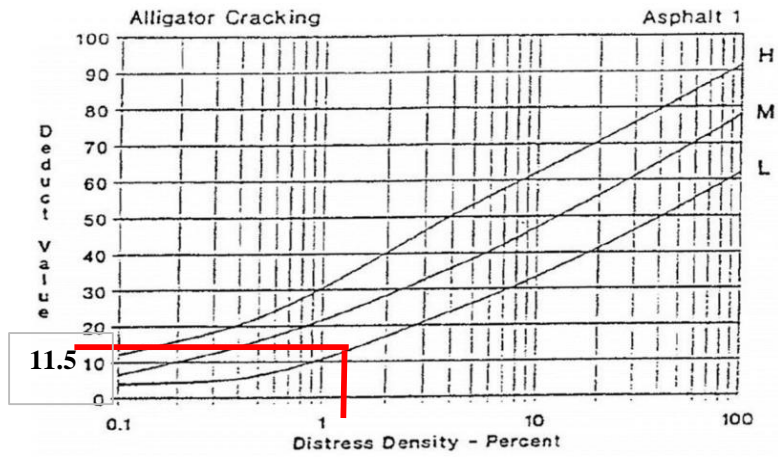
Sta.0+070 s/d Sta. 0+080 (Tambalan_L) Nilai DV: 16,5



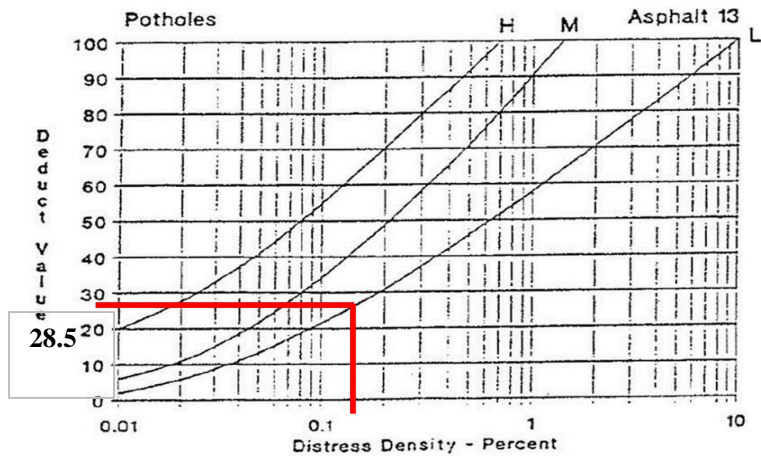
Sta.0+080 s/d Sta. 0+090 (Retak Buaya_L) Nilai DV: 20



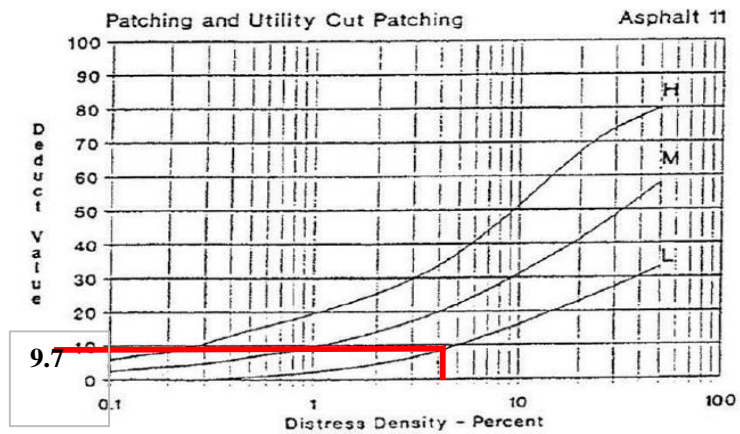
Sta.0+090 s/d Sta. 0+100 (Retak Buaya_L) Nilai DV: 11,5



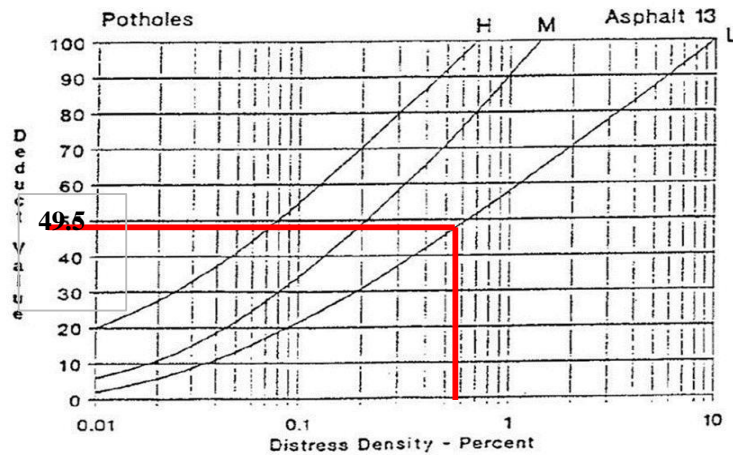
Sta.0+100 s/d Sta. 0+120 (Lubang) Nilai DV: 28,5



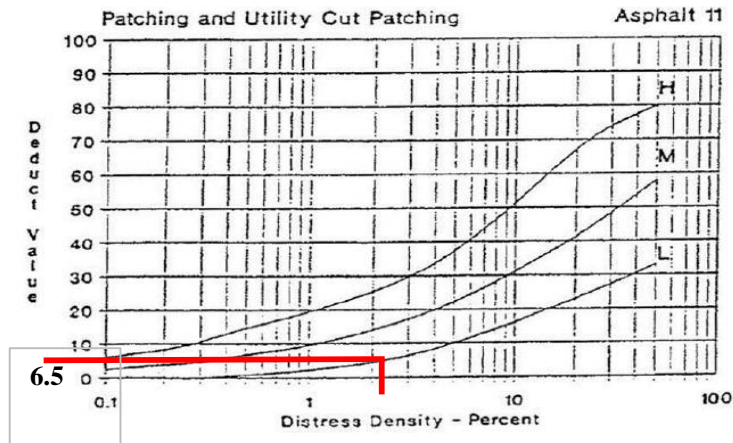
Sta.0+120 s/d Sta. 0+130 (Tambalan_L) Nilai DV: 9,7



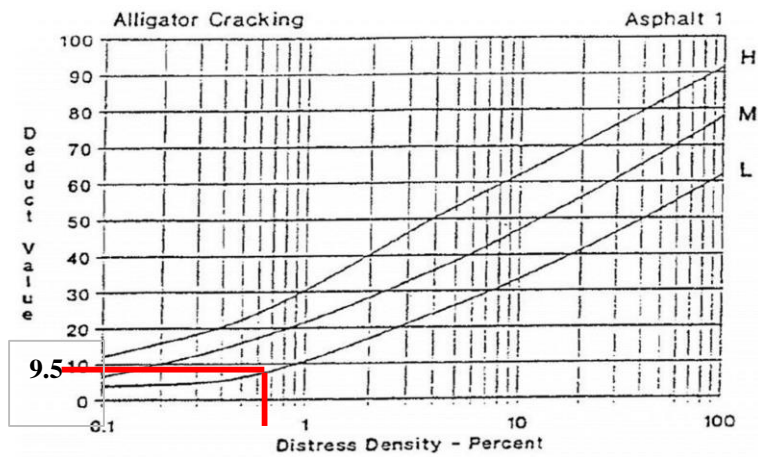
Sta.0+150 s/d Sta. 0+160 (Lubang) Nilai DV: 49,5



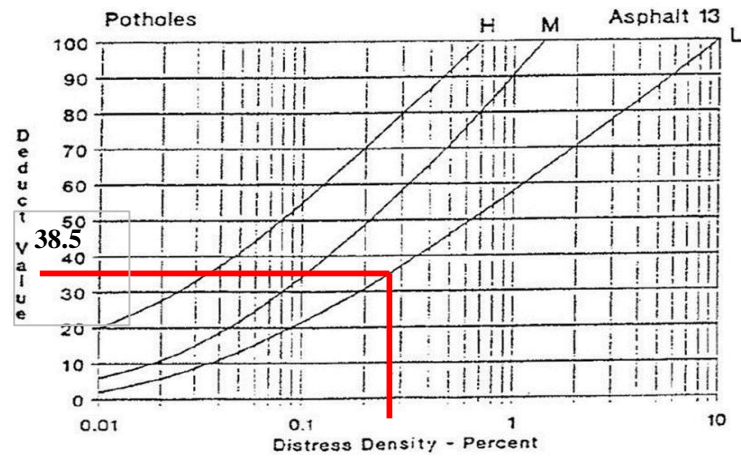
Sta.0+160 s/d Sta. 0+170 (Tambalan _ L) Nilai DV: 6,5



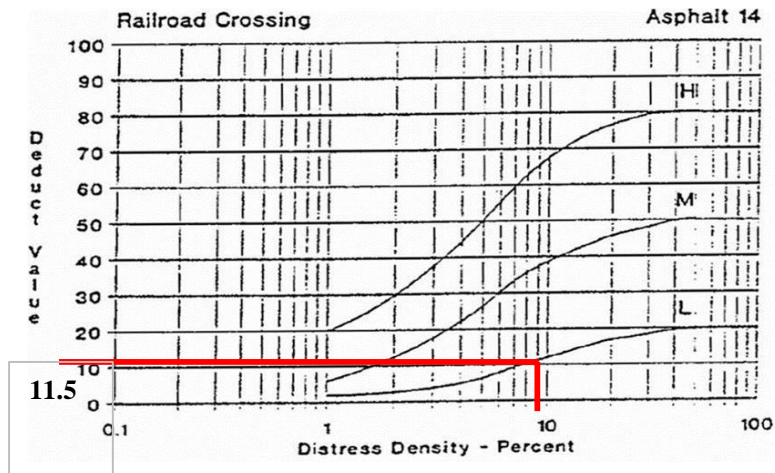
Sta.0+170 s/d Sta. 0+180 (Retak Buaya_L) Nilai DV: 9,5



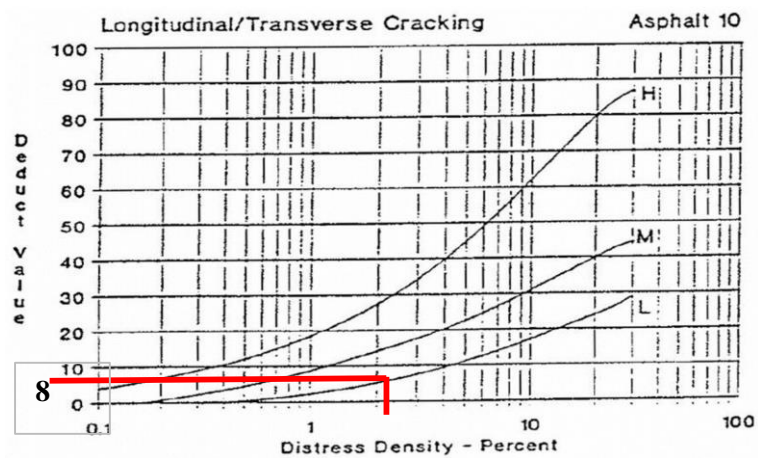
Sta.0+180 s/d Sta. 0+190 (Lubang) Nilai DV: 38,5



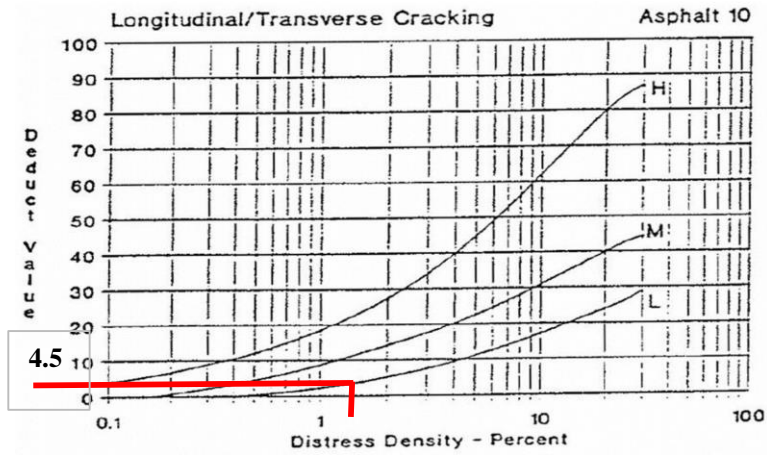
Sta.0+190 s/d Sta. 0+200 (Retak Perpotongan_L) Nilai DV: 11,5



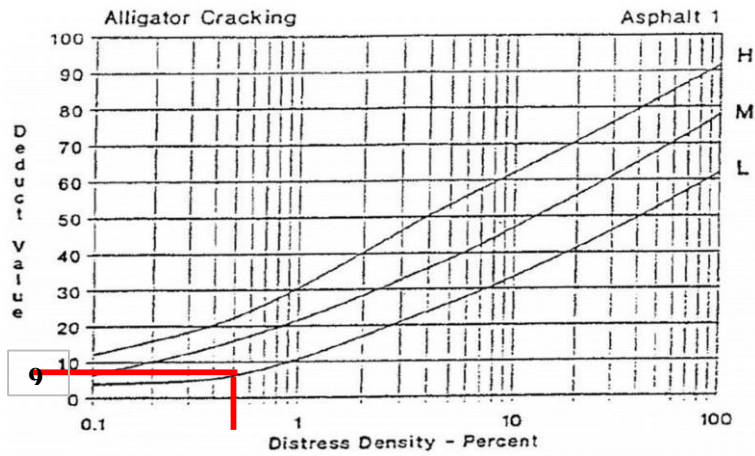
Sta.0+220 s/d Sta. 0+230 (Retak Memanjang/Melintang_L) Nilai DV: 8



Sta.0+280 s/d Sta. 0+290 (Retak Memanjang/Melintang_L) Nilai DV: 4,5

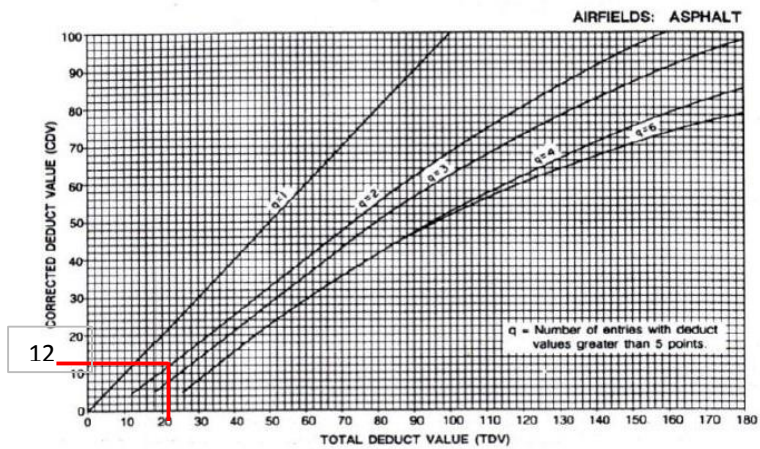


Sta.0+390 s/d Sta. 0+400 (Tambalan_L) Nilai DV: 9,5

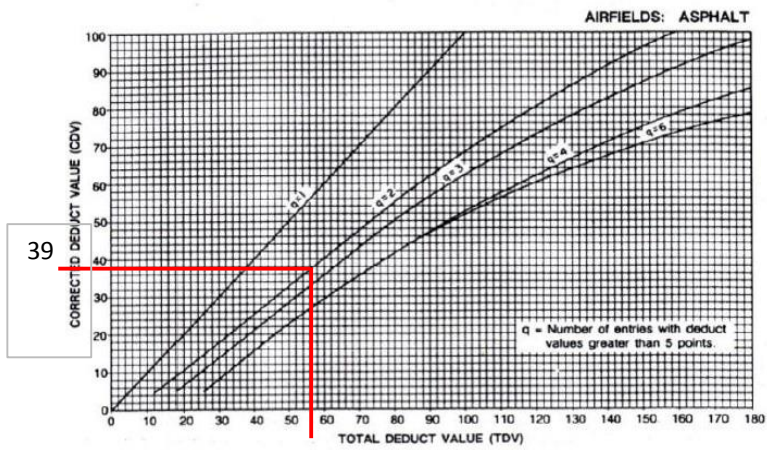


Lampiran 8 Perhitungan *Total Deduct Value* (TDV)

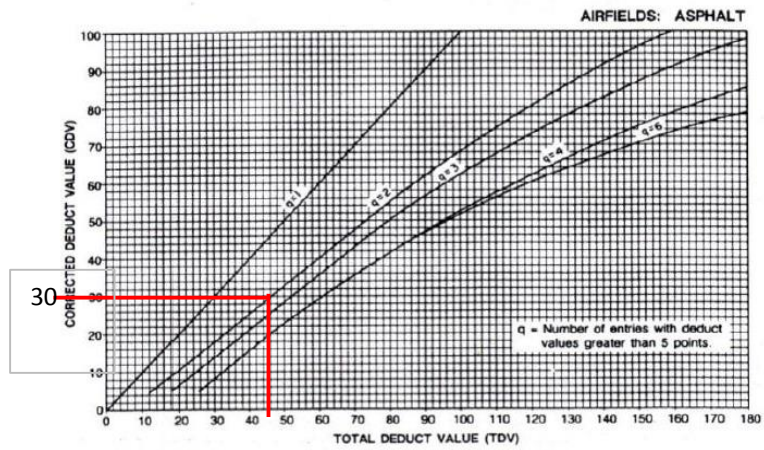
Sta.0+000 s/d Sta. 0+010 Nilai CDV: 12



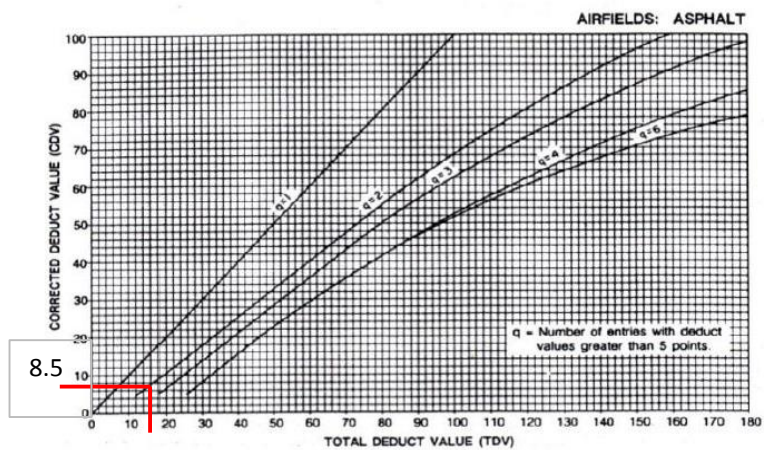
Sta.0+010 s/d Sta. 0+020 Nilai CDV: 39



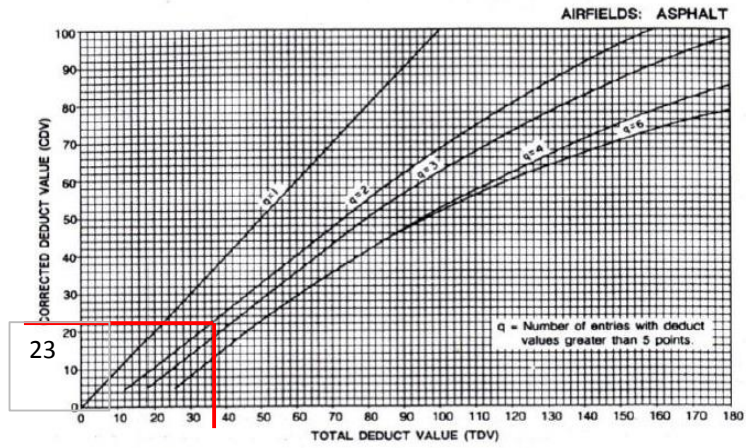
Sta.0+020 s/d Sta. 0+030 Nilai CDV: 30



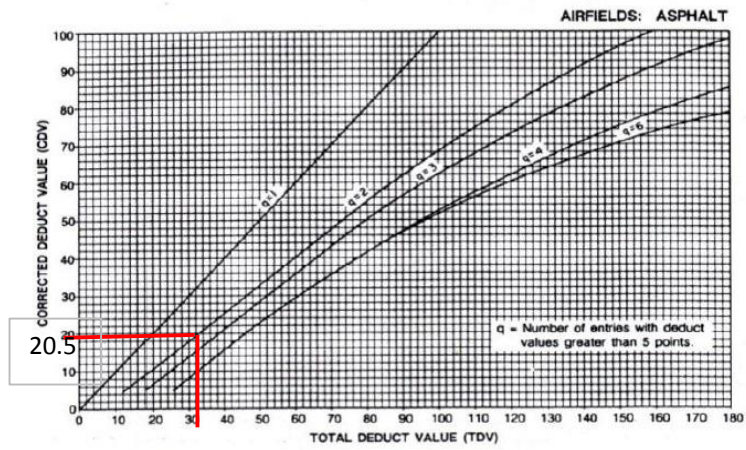
Sta.0+050 s/d Sta. 0+060 Nilai CDV: 8,5



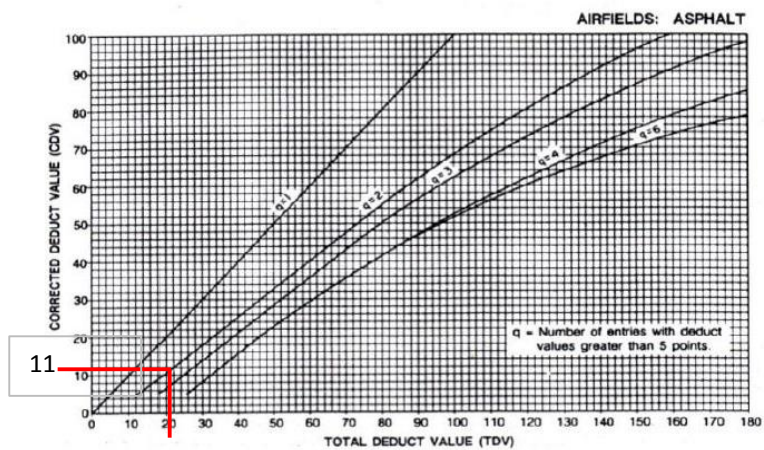
Sta.0+060 s/d Sta. 0+070 Nilai CDV: 23



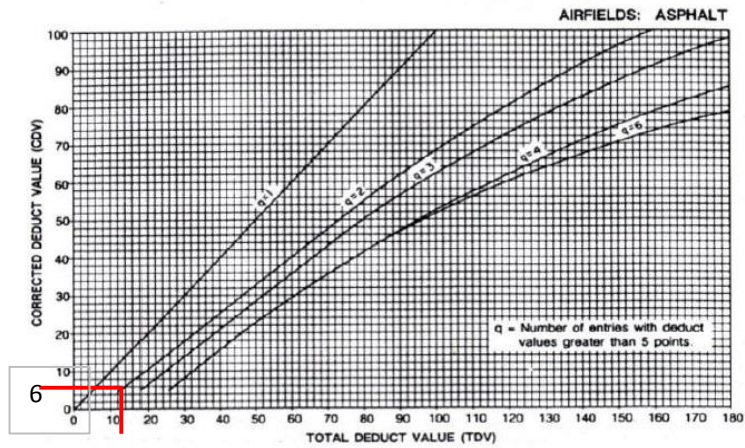
Sta.0+070 s/d Sta. 0+080 Nilai CDV: 20,5



Sta.0+080 s/d Sta. 0+090 Nilai CDV: 11



Sta.0+090 s/d Sta. 0+100 Nilai CDV: 6



Lampiran 9 Perhitungan CVD dan PCI

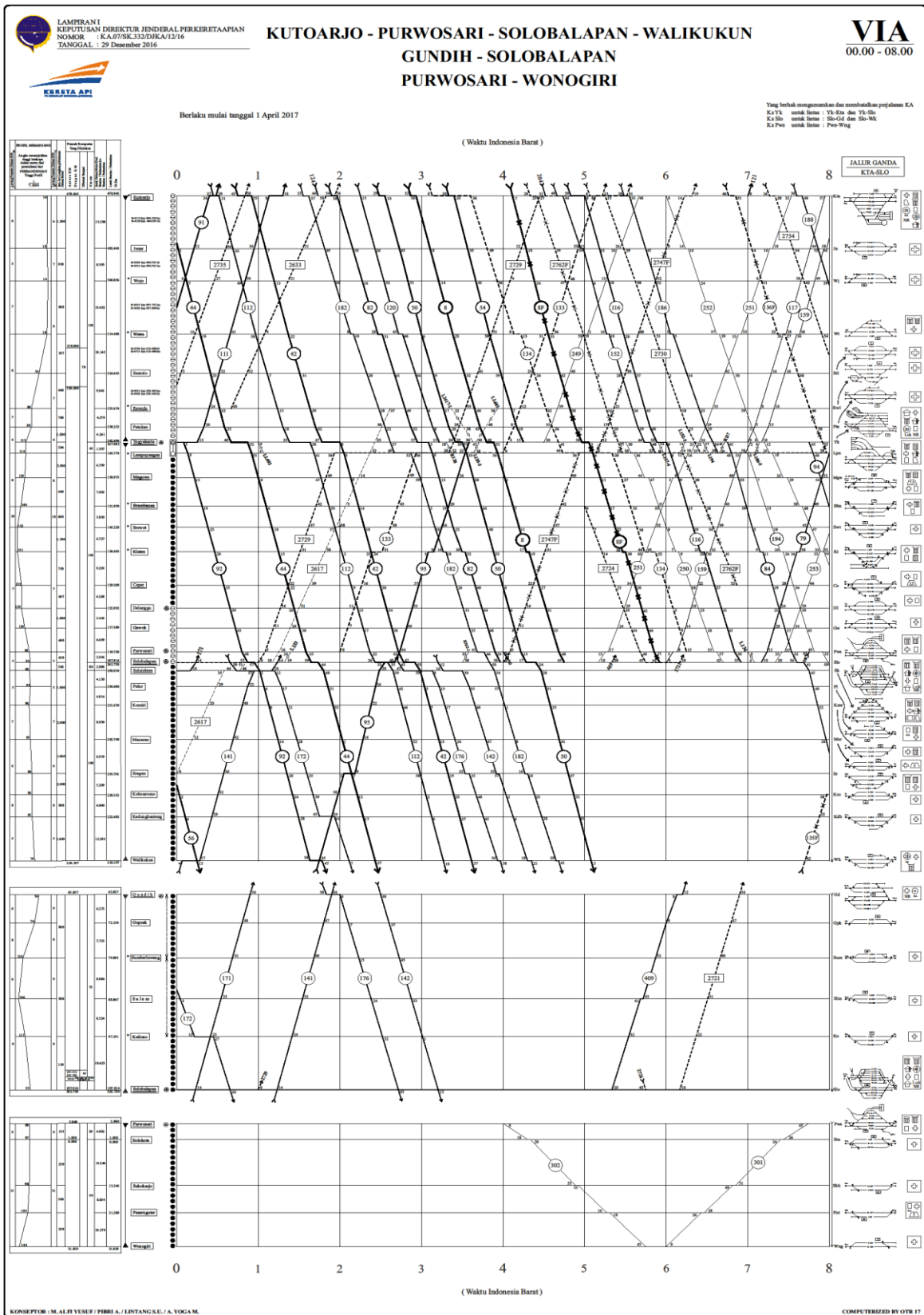
NO	Sta	Total Deduct Value (TDV)				Total	Q	CDV	PCI	KETERANGAN
1	0+000 sd 0+010	18.5	2.22			20.72	2	12	88	<i>Excellent</i>
2	0+010 sd 0+020	8.5	30.6	19.5	0	58.6	2	39	61	<i>Good</i>
3	0+020 sd 0+030	22.5	2.5	12	10.5	47.5	2	30	70	<i>Good</i>
4	0+030 sd 0+040	0.25	11.5	0	0	11.75	2	8.5	91.5	<i>Excellent</i>
5	0+040 sd 0+050	9.5	0	0	0	9.5	1	10.5	89.5	<i>Excellent</i>
6	0+050 sd 0+060	13	0	0	0	13	2	8.5	91.5	<i>Excellent</i>
7	0+060 sd 0+070	12.5	11.5	12.9	0	36.9	2	23	77	<i>Verry Good</i>
8	0+070 sd 0+080	14.5	16.5	0	0	31	2	20.5	79.5	<i>Verry Good</i>

NO	Sta	Total Deduct Value (TDV)				Total	Q	CDV	PCI	KETERANGAN
9	0+080 sd 0+090	20	0	0	0	20	2	11	89	<i>Excellent</i>
10	0+090 sd 0+100	11.5	0	0	0	11.5	2	6	94	<i>Excellent</i>
11	0+110 sd 0+120	28.5	3.4	0	0	31.9	2	20.5	79.5	<i>Verry Good</i>
12	0+120 sd 0+130	9.7	2.3	8.5	8.5	29	2	18.5	81.5	<i>Verry Good</i>
13	0+150 sd 0+160	49.5	0	0	0	49.5	2	31.5	68.5	<i>Good</i>
14	0+160 sd 0+170	6.5	0	0	0	6.5	1	4.5	95.5	<i>Excellent</i>
15	0+170 sd 0+180	9.5	0	0	0	9.5	1	9	91	<i>Excellent</i>
16	0+180 sd 0+190	38.5	0	0	0	38.5	2	20.2	79.8	<i>Verry Good</i>
17	0+190 sd 0+200	40	11.5	0	0	51.5	2	35.5	64.5	<i>Good</i>
18	0+200 sd 0+210	44.5	0	0	0	44.5	2	30	70	<i>Good</i>
19	0+210 sd 0+220	3.5	0	0	0	3.5	1	2.5	97.5	<i>Excellent</i>
20	0+220 sd 0+230	7.5	8	0	0	15.5	2	9	91	<i>Excellent</i>
21	0+230 sd 0+240	6.5	0	0	0	6.5	1	10	90	<i>Excellent</i>

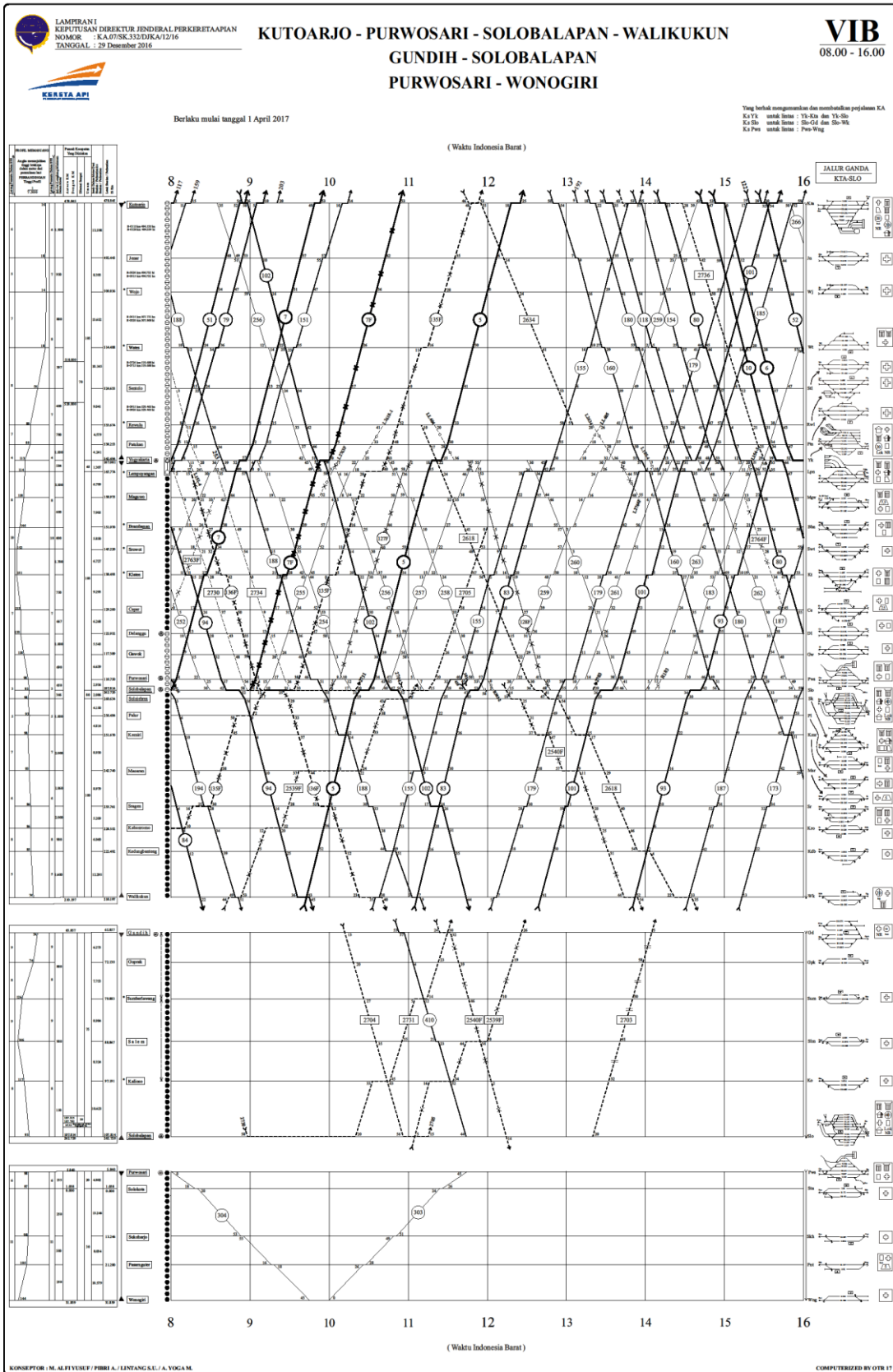
NO	Sta	Total Deduct Value (TDV)				Total	Q	CDV	PCI	KETERANGAN
22	0+240 sd 0+250	5.5	0	0	0	5.5	1	6	94	<i>Excellent</i>
23	0+260 sd 0+270	8	30	0	0	38	2	21	79	<i>Verry Good</i>
24	0+280 sd 0+290	4.5	2.5	1.5	0	8.5	1	9.5	90.5	<i>Excellent</i>
25	0+290 sd 0+300	19.5	0	0	0	19.5	2	10	90	<i>Excellent</i>
26	0+300 sd 0+310	2.5	3.5	8.5	0	14.5	2	8.1	91.9	<i>Excellent</i>
27	0+310 sd 0+320	7.5	7	0	0	14.5	2	9	91	<i>Excellent</i>
28	0+320 sd 0+330	18.5	0	0	0	18.5	2	9	91	<i>Excellent</i>
29	0+330 sd 0+340	9.5	0	0	0	9.5	1	10	90	<i>Excellent</i>
30	0+350 sd 0+360	18.5	0	0	0	18.5	2	9	91	<i>Excellent</i>
31	0+360 sd 0+370	8.5	0	0	0	8.5	2	9	91	<i>Excellent</i>
32	0+370 sd 0+380	3	9.5	13.5	18	44	2	30	70	<i>Good</i>
33	0+380 sd 0+390	7.5	0	0	0	7.5	1	7.5	92.5	<i>Excellent</i>
34	0+390 sd 0+400	9.5	9	0	0	18.5	2	9	91	<i>Excellent</i>

NO	Sta	Total Deduct Value (TDV)	Total	Q	CDV	PCI	KETERANGAN
TOTAL						2892.7	
						85.07941	<i>Very Good</i>

Lampiran 10 Grafik pertama Perlintasan Kereta Api tahun 2017.



Grafik ke-dua Perlintasan Kereta Api tahun 2017.



Grafik ke-tiga Perlintasan Kereta Api tahun 2017.

