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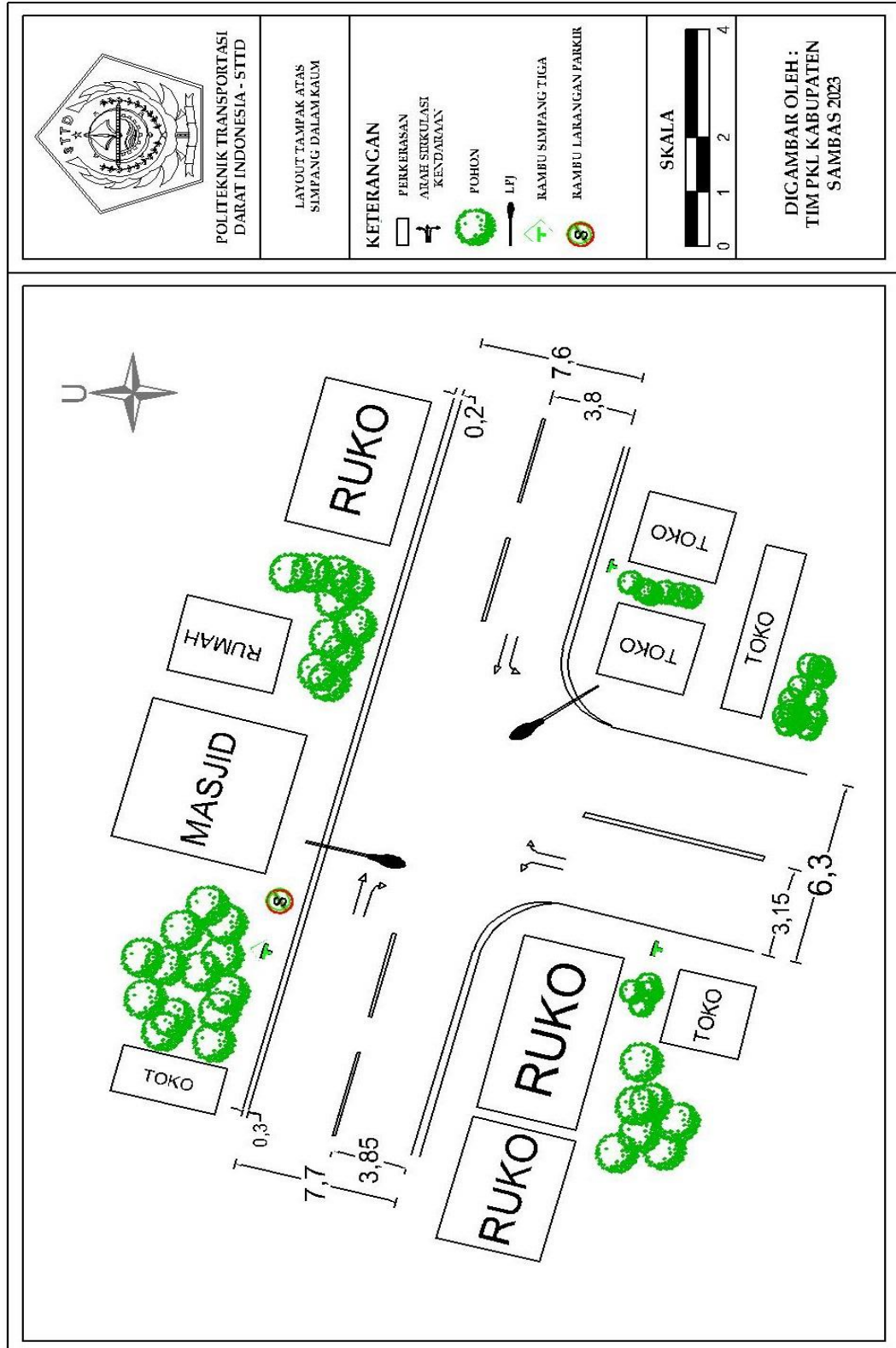
LAMPIRAN

Lampiran 1. Invent Simpang Dalam Kaum

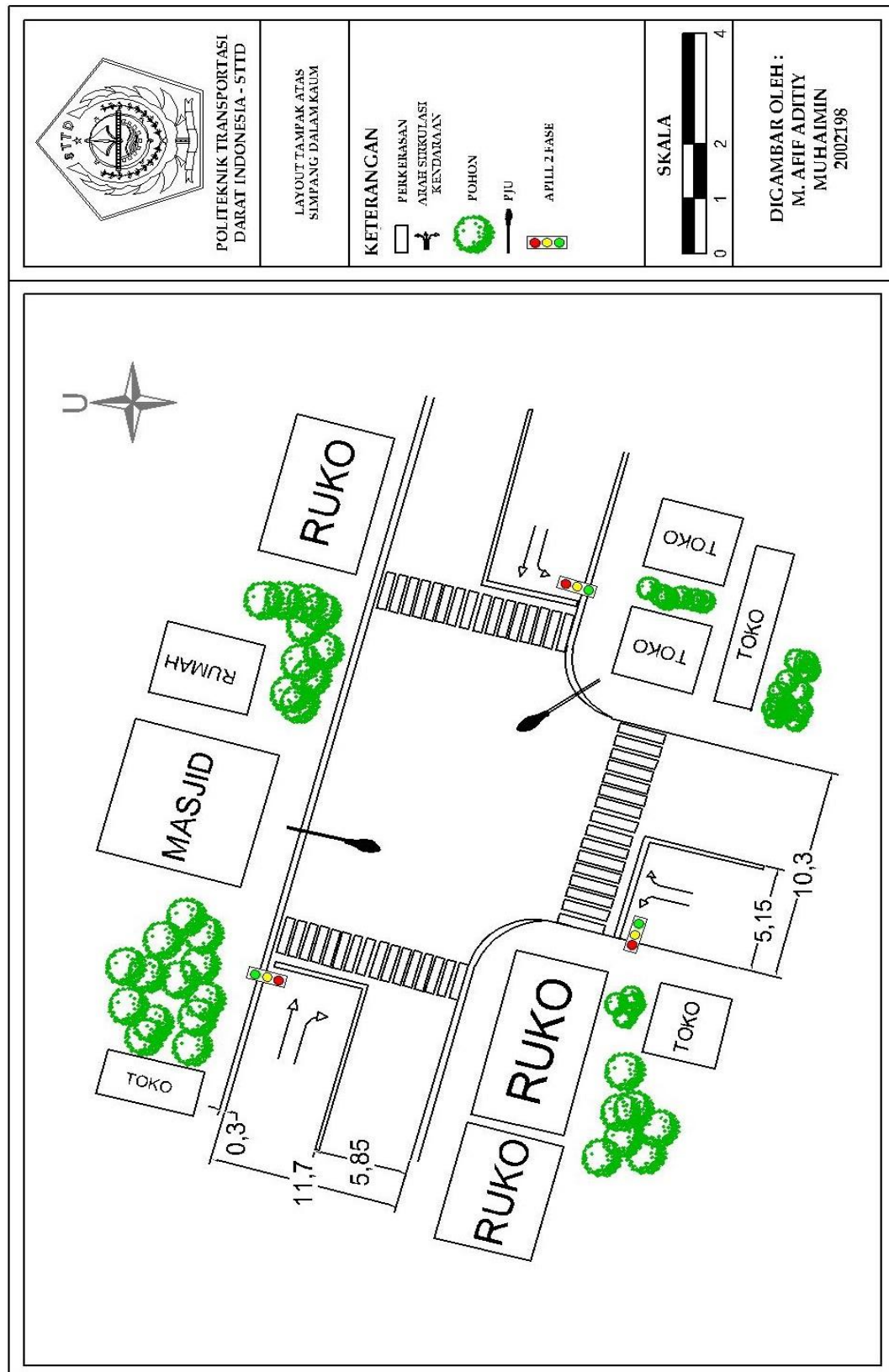
Nama Simpang		DALAM KAUM					VISUALISASI SIMPANG
		Geometri simpang					
1	Node	504					
2	Tipe Pengendalian	-					
3	Tipe simpang	Simpang Tidak Bersinyal					
4	Fase Simpang	-					
Arah		Utara	Selatan	Timur	Barat		
Ruas Jalan			Sultan Moh. Tsyafuddin	Pembangunan Sg 1	Jl. Ahmad Sood		
5	Waktu Hijau	-	-	-	-	-	
6	Waktu Merah	-	-	-	-	-	
7	Waktu Kuning	-	-	-	-	-	
8	Lebar pendekat total (m)	-	6,5	7,8	8	-	
9	Lebar Median (m)	-	-	-	-	-	
10	Lebar Bahu kanan (m)	-	0,2	0,2	0,3	-	
11	Lebar Bahu kiri (m)	-	0,2	0,2	0,3	-	
12	Lebar Trotoar kiri	-	-	-	-	-	
13	Lebar Trotoar kanan	-	-	-	-	-	
14	Lebar Drainase kiri	-	-	-	-	-	
15	Lebar Drainase kanan	-	-	-	-	-	
16	Lebar jalur efektif pendekat (m)	-	6,3	7,6	7,7	-	
17	Lebar lajur pendekat (m)	-	3,15	3,8	3,85	-	
18	Hambatan Samping	-	Sedang	Sedang	Sedang	-	
19	Tataguna lahan	-	Pertokoan, Permukiman	Pertokoan	Pertokoan, Permukiman	-	
20	Model Arus (Arah)	-	2	2	2	-	
21	Kondisi Marka	-	Baik	Baik	Baik	-	
22	Fasilitas Zebra Cross	-	-	-	-	-	
23	Marka Line Stop	-	-	-	-	-	
24	Fasilitas Ruang Khusus Roda 2	-	-	-	-	-	
Fasilitas Simpang		Jumlah	Kondisi	Jumlah	Kondisi	Kondisi	
Rambu Larangan			Baik		Baik	Baik	
Rambu Peringatan			Baik		Baik	Baik	
Rambu Perintah			Baik		Baik	Baik	
Rambu Petunjuk			Baik		Baik	Baik	

PENAMPANG MELINTANG SIMPANG	
	

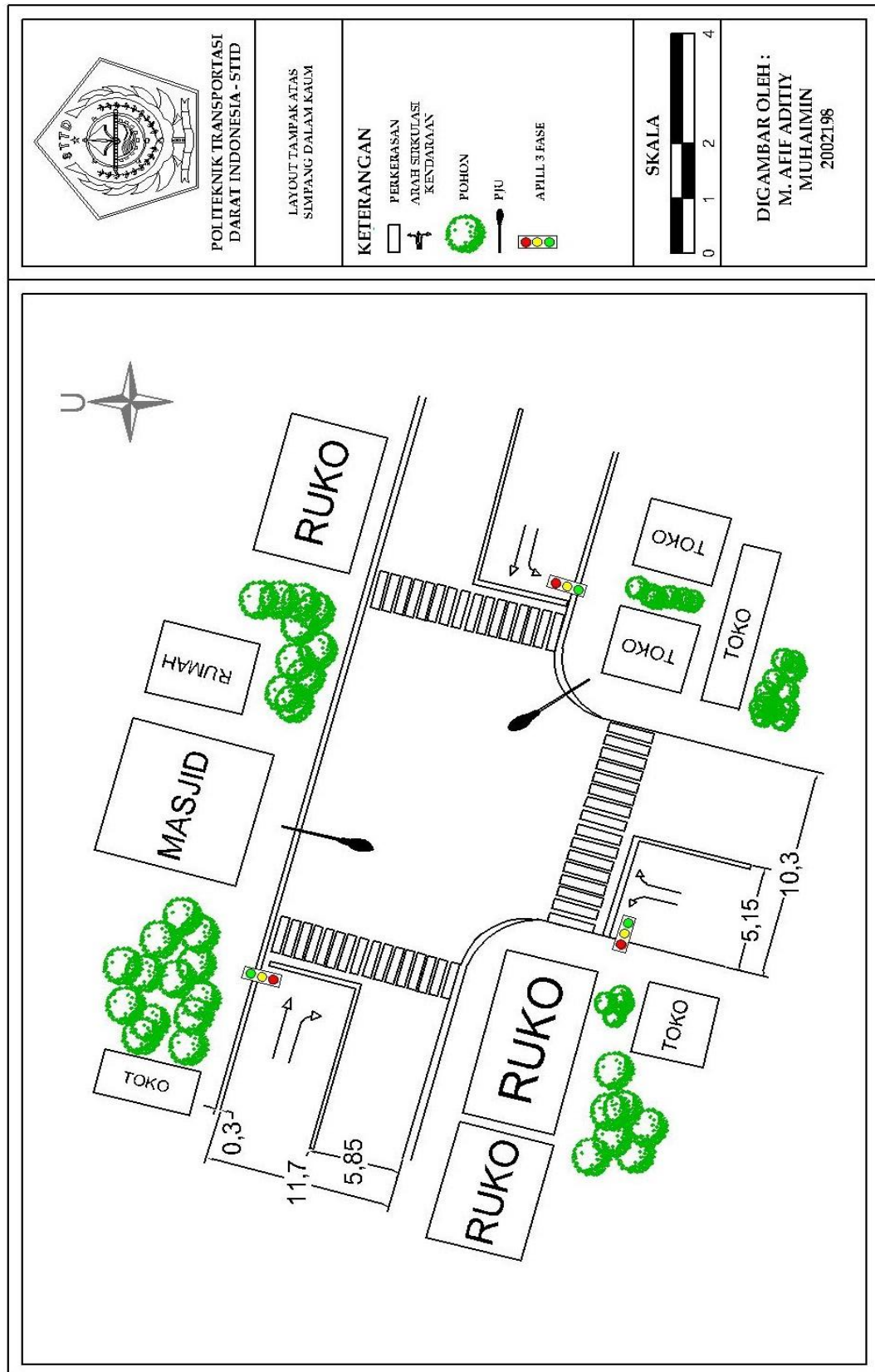
Lampiran 2. Kondisi Eksisting Penampang Atas Simpang Dalam Kaum Di Kabupaten Sambas



Lampiran 3. Kondisi Alternatif I Penampang Atas Simpang Dalam Kaum



Lampiran 4. Kondisi Alternatif II Penampang Atas Simpang Dalam Kaum



Lampiran 5. Perhitungan Kaji Apil 2 Fase (Alternatif I)

File Begin Forms Video Info Manual Help														
Form SIG-4, analysis														
0:345 0:331 S T														
Approach code (1)	Green in phase no. Split if 2-phase green (2)	Ratio of turning vehicles p LTOR (4) p RT (5) p (6)	RT-flow pcu/h Own Opp. dir dir (7) (8)	Effect. width (m) 'w' if Wexit (9)	Base saturation flow So (10)	Saturation All City size frict (11)	Side frict (12)	Adjust. sat. flow pcu/hg S (17)	Traffic flow pcu/h ST, Q or RT (18)	Flow ratio FR, Q/S (19)	Phase ratio PR= Ffcr /IFR (20)	Green time (sec) g (21)	Capacity pcu/h S _g =C (22)	Degree of saturation Q/C (23)
S2	2	0.00	0.50	0.50	3000	0.94	0.92	2713	458	0.169		9.0	643	0.712
E2	1	0.00	0.50	0.00	2628	0.94	0.92	2287	777	0.340		19.0	1144	0.679
E2	1	0.00	0.00	0.29	3155	0.94	0.92	2735	507	0.185		19.0	1368	0.371
D:\KRAJ\NFASE2DAL.KJI														

Lampiran 6. Analisis Kaji Apil 2 Fase (Alternatif I)

Form SIG-5, results										
KAJI - SIGNALISED INTERSECTIONS					City : Intersection:					
Form SIG-5: QUEUE LENGTH, STOP RATE, DELAY					Cycle time : 38.0 sec					
Purpose : Operation					Prob. for overloading: 5.00 %					
Approach code (1)	FLOW Q excl. LTOR (2)	Capa- city (3)	Degree of satu- ration DS=Q/C (4)	Green ratio gr= g/c (5)	No of queuing vehicles(pcu)					
					NQ1 (6)	NQ2 (7)	Total NQ = NQ1+NQ2 (8)	NQmax (9)		
S2	458	458	0.712	0.237	0.73	4.44	5.17	7		
E2	777	777	0.679	0.500	0.56	6.21	6.77	9		
M2	507	507	0.371	0.500	0.00	3.28	3.28	5		
D:\Kaji\INFASE2DAL.KJI										D:\Kaji\INFASE2DAL.KJI
Form SIG-5, results										
Queue Length Ql(m) (10)	Stop Rate NS stops /pcu (11)	No. of stops NSU pcu/h (12)	Delay							
			Avg. Delay Traffic DT(sec/pcu) (13)	Avg. Delay Geometric DG(sec/pcu) (14)	Avg. Delay D=DT+DG sec/pcu (15)	Tot Delay D * Q sec (16)				
28	0.963	441	17.41	4.07	21.48	9840				
30	0.743	577	8.95	3.74	12.69	9858				
17	0.552	280	5.83	3.00	8.83	4477				
D:\Kaji\INFASE2DAL.KJI										

Lampiran 7. Perhitungan Kaji Apill 3 Fase (Alternatif II)

Form SIG-4, analysis										[+]
Approach code (1)	Green in phase no. Split if 2-phase green (2)	Appr type (3)	Ratio of turning vehicles			RT-flow pcu/h Opp.	Effect. width (m) '*' if w _{exit} (9)	Base saturation flow So (10)	Saturation All appr City Side size frict (11) (12)	
			p LTOR (4)	p LT (5)	p RT (6)				Own dir (7)	Fcs (8)
SZ	S	P	0.00	0.50	0.50	227	5.00	3000	0.94	0.92
EZ	T	P	0.00	0.50	0.00	0	6.00	3600	0.94	0.92
AZ	B	P	0.00	0.00	0.29	104	6.00	3600	0.94	0.92

Form SIG-4, analysis										[+]
Approach code (1)	Green in phase no. Split if 2-phase green (2)	Appr type (3)	Ratio of turning vehicles			RT-flow pcu/h Opp.	Effect. width (m) '*' if w _{exit} (9)	Base saturation flow So (10)	Saturation All appr City Side size frict (11) (12)	
			p LTOR (4)	p LT (5)	p RT (6)				Own dir (7)	Fcs (8)
SZ	S	P	0.00	0.50	0.50	227	5.00	3000	0.94	0.92
EZ	T	P	0.00	0.50	0.00	0	6.00	3600	0.94	0.92
AZ	B	P	0.00	0.00	0.29	104	6.00	3600	0.94	0.92

Form SIG-4, analysis										[+]
Approach code (1)	Green in phase no. Split if 2-phase green (2)	Appr type (3)	Ratio of turning vehicles			RT-flow pcu/h Opp.	Effect. width (m) '*' if w _{exit} (9)	Base saturation flow So (10)	Saturation All appr City Side size frict (11) (12)	
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			p LTOR (4)	p LT (5)	p RT (6)				Own dir (7)	Fcs (8)
SZ	S	P	0.00	0.50	0.50	227	5.00	3000	0.94	0.92
EZ	T	P	0.00	0.50	0.00	0	6.00	3600	0.94	0.92
AZ	B	P	0.00	0.00	0.29	104	6.00	3600	0.94	0.92

Form SIG-4, analysis										[+]
Approach code (1)	Green in phase no. Split if 2-phase green (2)	Appr type (3)	Ratio of turning vehicles			RT-flow pcu/h Opp.	Effect. width (m) '*' if w _{exit} (9)	Base saturation flow So (10)	Saturation All appr City Side size frict (11) (12)	
			p LTOR (4)	p LT (5)	p RT (6)				Own dir (7)	Fcs (8)
SZ	S	P	0.00	0.50	0.50	227	5.00	3000	0.94	0.92
EZ	T	P	0.00	0.50	0.00	0	6.00	3600	0.94	0.92
AZ	B	P	0.00	0.00	0.29	104	6.00	3600	0.94	0.92

Form SIG-4, analysis										[+]
Approach code (1)	Green in phase no. Split if 2-phase green (2)	Appr type (3)	Ratio of turning vehicles			RT-flow pcu/h Opp.	Effect. width (m) '*' if w _{exit} (9)	Base saturation flow So (10)	Saturation All appr City Side size frict (11) (12)	
			p LTOR (4)	p LT (5)	p RT (6)				Own dir (7)	Fcs (8)
SZ	S	P	0.00	0.50	0.50	227	5.00	3000	0.94	0.92
EZ	T	P	0.00	0.50	0.00	0	6.00	3600	0.94	0.92
AZ	B	P	0.00	0.00	0.29	104	6.00	3600	0.94	0.92

Form SIG-4, analysis										[+]
Approach code (1)	Green in phase no. Split if 2-phase green (2)	Appr type (3)	Ratio of turning vehicles			RT-flow pcu/h Opp.	Effect. width (m) '*' if w _{exit} (9)	Base saturation flow So (10)	Saturation All appr City Side size frict (11) (12)	
			p LTOR (4)	p LT (5)	p RT (6)				Own dir (7)	Fcs (8)
SZ	S	P	0.00	0.50	0.50	227	5.00	3000	0.94	0.92
EZ	T	P	0.00	0.50	0.00	0	6.00	3600	0.94	0.92
AZ	B	P	0							

Lampiran 8. Analisis Kaji Apil 3 Fase (Alternatif II)

Form SIG-5, results														
KRAJ - SIGNALISED INTERSECTIONS				City : SMBAS		Date : 2								
Form SIG-5: QUEUE LENGTH, STOP RATE, DELAY				Intersection:		Handled by: Afif Aditiya								
Purpose : Operation				Cycle time : 64.0 sec		Case : sure								
Prob. for overloading: %						Period : sure								
Approach code	FLOW (pcu/h)	Capacity	Degree of saturation	Green ratio	No of queuing vehicles (pcu)			Queue Length	Stop Rate	No. of stops	Delay			
(1)	Q excl. LTOR SIG-4 (2)	(3)	DS=Q/C (4)	gr= g/c (5)	NQ1 (6)	NQ2 (7)	Total NQ = NQ1+NQ2 (8)	Q1(m) (10)	NS stops /pcu (11)	NSU pcu/h (12)	Avg. Delay Traffic DT(sec/pcu) (13)	Avg. Delay Geometric DG(sec/pcu) (14)	Avg. Delay D=DT+DG sec/pcu (15)	Tot Delay D * Q sec (16)
S2	S 458	458	0.515	0.328	0.03	6.58	6.61	36	0.731	335	17.51	4.54	22.05	10098
E2	T 514	514	0.632	0.281	0.36	7.99	8.35	40	0.822	423	21.69	3.82	25.52	13116
M2	B 353	353	0.516	0.203	0.03	5.59	5.62	27	0.806	284	22.87	3.57	26.44	9334
D:\KRAJ\FASE3DAL.KJI														

Lampiran 9. Kartu Asistensi



KARTU ASISTENSI

PROGRAM STUDI DIPLOMA III MANAJEMEN TRANSPORTASI JALAN TAHUN AKADEMIK 2022/2023

NAMA : M. AFIF ADITIYA MUHAIMIN

NOTAR : 20.02.2198

DOSEN : 1. GUNTORO ZAIN MA'ARIF, S.T.,M.T.

2. GADANG ENDRAYANTO, S.E., M.A.P.

JUDUL KKW : PENINGKATAN KINERJA LALU LINTAS SIMPANG DALAM
KAUM DI KABUPATEN SAMBAS

NO	TGL	KETERANGAN	PARAF	NO	TGL	KETERANGAN	PARAF
1.	21/07 2023	Bimbingan Bab I dan Bab II		1.	21/07 2023	Bimbingan Bab I dan Bab II	
2.	27/07 2023	Revisi Bab I dan II Lanjut bimbingan Bab III dan IV		2.	27/07 2023	Revisi Bab I dan II Lanjut bimbingan Bab III dan IV	
3	01/08 2023	Revisi Bab I, II, III, dan IV. Lanjut bimbingan Bab V		3	01/08 2023	Revisi Bab I, II, III dan IV Lanjut bimbingan Bab V	

Lampiran 10. Kartu Asistensi

NO	TGL	KETERANGAN	PARAF	NO	TGL	KETERANGAN	PARAF
4	04/08 2023	Revisi Bab I, II, III, IV V. Lanjut bimbingan Bab VI		4	04/08 2023	Revisi Bab I, II, III, IV, dan V Lanjut bimbingan Bab VI	
5	08/08 2023	Revisi Bab VI Lanjut PPT sidang		5	08/08 2023	Revisi Bab VI Lanjut PPT sidang	
6	18/08 2023	Revisi PPT sidang		6	18/08 2023	Revisi PPT sidang	