LAMPIRAN

Data Beban Per Section

No.	Feeder	Lokasi Alamat	Peralatan	No. Tiang	Beban		
					(R)	(S)	(T)
1	Ksn03	GI Kebasen	ABSW I	S3-1	131	174	16
2		Ds.Trayeman	Recloser	T10-129	123.8	158.3	98.
3		Ds.Slawi kulon	LBS	S3-163/11	204	206	22
4		Ds.Slawi wetan	ABSW	S3-159	6	29	1.
5		Ds.Slawi wetan	LBS	S3-166			
6		Ds.Kagok	LBS	S3-162C	80	73	8
7		Ds.Kagok	ABSW	S3-162L/1	31.7	54	5
8		Ds.Curug	ABSW	S3-162L/37/1	15.9	25	2
9		Ds.Curug	LBS	S3-162L/41			
1	Ksn04	GI Kebasen	ABSW I	S3-1	141	214	17
2		Ds.Adiwerna	Recloser	S3-39	140	210	184.
3		Ds.Adiwerna	ABSW	S3-76/22	114.1	128	11
4		Ds.Adiwerna	ABSW	S3-76/9A	2.1	7.9	1.
5		Ds.Banjaran	LBS	S3-76/2	100.9	96.8	97.
6		Ds.Banjaran	LBS	K-40/35	28.4	19.8	17.
7		Ds.Pegirikan	LBS	S3-79K	42.4	42.8	3
8		Ds.Pegirikan	LBS	S3-79P			
10		Ds.Kalimati	LBS	S3-53/2	31	54.7	25.
11		Ds.Pesarean	ABSW	S3-53/24/2	19.1	20.2	2
12		ds jenggawur	ABSW	T1-272/222A	1.4	1.4	1.
13		Ds.Kajen	ABSW	S3-53/27	36.5	72.6	48.
14		Ds.Talang	LBS	S3-53/53			
1	Ksn05	GI Kebasen	ABSW I	T5-1	223.4	113.9	127.
2		Ds.Pepedan	Recloser	T5-43	225	215	24
3		Ds.Kaligayam	ABSW	T5-67	223	210	23
4		Ds.Kaladawa	ABSW	K19-127			
1	Ksn06	GI Kebasen	ABSW I	K-1	246	217	23
2		Ds.Kaliwadas	Recloser	K-23/3	248	238	24
3		Ds.Gumalar	ABSW	K-23/32B	10.6	29.3	25.
5		Ds.Gumalar	ABSW	K-23/37	197	199	19
6		Ds.Gumalar	ABSW	K-23/44/3	30	16.2	17.
7		Ds.Pedeslohor	LBS	K-23/76	170	160	16
		DS KUPU	LBS	T9-56/12			
1	Ksn07	GI Kebasen	ABSW I	T7-1	291	366	29
2		Ds.Langgen	Recloser	T7-43	261	351	30
3		Ds.Langgen	ABSW	T7-37/1A	38	14	5.

4		Ds.Langgen	ABSW	T7-37/14A	34	7	
		Ds.Purbasana	LBS	T7-95			
5		Ds.Paketiban	LBS	T1-272/191ZE	111	157	13
6		Ds.Bogares lor	ABSW	S3-162L/57/8	57.4	98.6	60.
7		Ds.Bogare kidul	LBS	S3-162L/59	54.8	93	51.
8		Ds.Dukuhjati kidul	ABSW	S3-162L/112	21.5	64.7	3
1	Ksn08	GI Kebasen	ABSW I	T8-1	237	116	24
2		Ds.Langgen	Recloser	T8-44	236	114.3	23
3		Ds.Purbasana	LBS	T8-96			
1	Ksn09	GI Kebasen	ABSW I	T9-1	188	188	21
2		Ds.Kapandean	ABSW	T9-44/1	1.6	32.5	1.
1	Ksn10	GI Kebasen	ABSW I	K-1	381.5	377.2	37
2		Ds.Ujungrusi	Recloser	K-31	295.4	305.3	29
3		Ds.Ujungrusi	LBS	K-40/3			
4		Ds.Ujungrusi	LBS	K-42	143	147	15
5		Ds.Pagiyanten	ABSW	K-90	84	130	80.
			LBS	K-97/3			
6		Ds.Gumayun	Recloser	K-147	366	353	35
1	Ksn11	GI Kebasen	ABSW I	T1-1	247	224	171.
2		Ds.Tegalwangi	ABSW	T1-32	15	6	9.
1	Ksn13	GI Kebasen	ABSW I	T13-1	195.8	191.2	22
2		Ds.Pesarean	Recloser	T10-53	220	190	19
3		Ds.Pakembaran	ABSW	S3-163/14	176	178	20
4		Ds.Kalisapu	ABSW	S3-163/21C	34	35	30.
5		Ds.Kalisapu	ABSW	S3-163/21W/1	14.5	19	2
6		Ds.Kalisapu	LBS	S3-163/29	136.5	141.9	152.
7		Ds.Kalisapu	ABSW	S3-163/36/1	5	5	3
		DS GUMAYUN	LBS	K-167/5			
8		Ds.Kalisapu	LBS	S3-163/41B	83	112	1
9		Ds.Kalisapu	ABSW	S3-189/45	75.5	102.1	6
10		Ds.Kalisapu	ABSW	S3-189/28/2	0	1.9	
11		Ds.Slawi kulon	LBS	S3-189/2	38.7	53.8	44.
12		Ds.Slawi wetan	ABSW	S3-192	38.4	25.9	46.
			LBS	S3-237			
13		Ds.Dukuhsalam	ABSW	S3-223/2	0.6	1	1.
14		Ds.Dukuhsalam	ABSW	S3-163/42	35.8	19	30.
1	Ksn16	GI Kebasen	ABSW I	T16-1	198	209	14
2		Ds.Pesayangan	ABSW	S3-53/37A	198.2	209	14
3		Ds.Kalimati	Recloser	S3-53/18	197	208	145.
4		Ds.Tembok luwung	ABSW	S3-109	117	127	11

5		Ds.Procot	LBS	S3-123/1	48.6	57	37.(
6		Ds.Dukuh sembung	ABSW	S3-162L/17/59	13.9	14.7	14.9
7		Ds.Procot	ABSW	S3-126	20.1	38.1	36.1
		Ds.Procot	ABSW	S3-153			
1	Ksn18	GI Kebasen	ABSW I	K18-1	168.3	125.4	130.3
2		Ds.Kaligayam	Recloser	K19-81	200	173	192
1	Ksn19	GI Kebasen	ABSW I	K19-1	118.9	141.9	124.4
		Ds.Kaligayam	Recloser	K19-82	103	111	109

Data Panjang Konduktor

KSN 03

NO TIANG	PANJANG (KMS)	JENIS KONDUKTOR	LUAS PENAMPANG
S3-1	6.78	A3C	240 mm²
T10-129	0.5	A3C	240 mm²
S3-163/11	0.66	A3C	240 mm²
S3-159	0.36	A3C	240 mm²
S3-162C	0.82	A3C	240 mm²
S3-162L/1	2.16	A3C	240 mm²
S3-162L/37/1	2.26	A3C	240 mm²
S3-162L/41	1.2	A3C	240 mm²

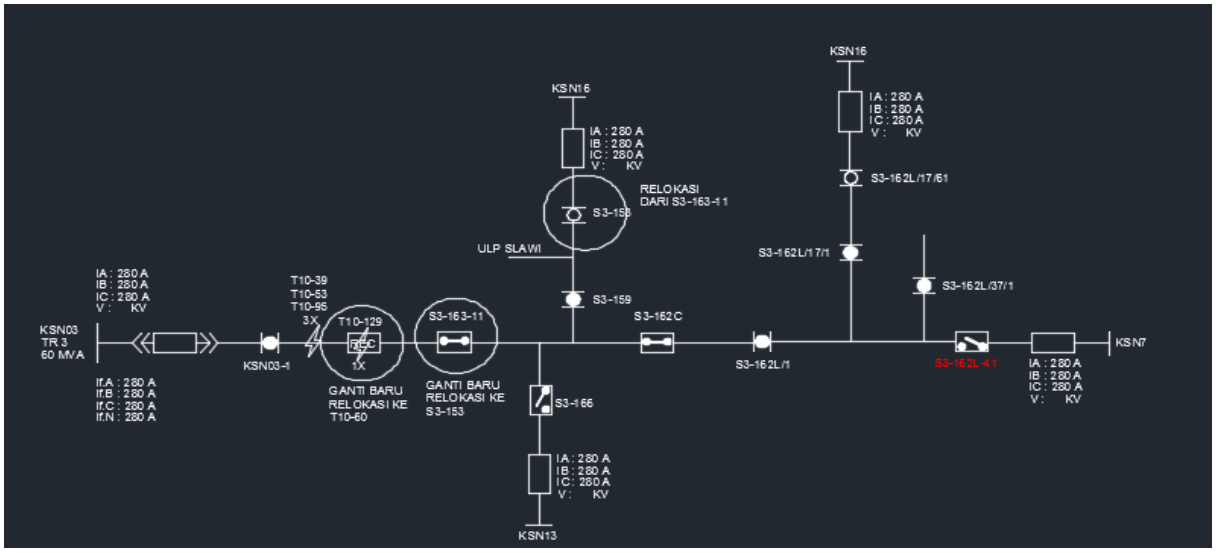
KSN 07

NO TIANG	PANJANG (KMS)	JENIS KONDUKTOR	LUAS PENAMPANG
T7-43	2.15	A3C	240 mm²
T7-94	2.55	A3C	240 mm²
T7-150	2.88	A3C	240 mm²
T1-272/191ZE	1.68	A3C	240 mm²

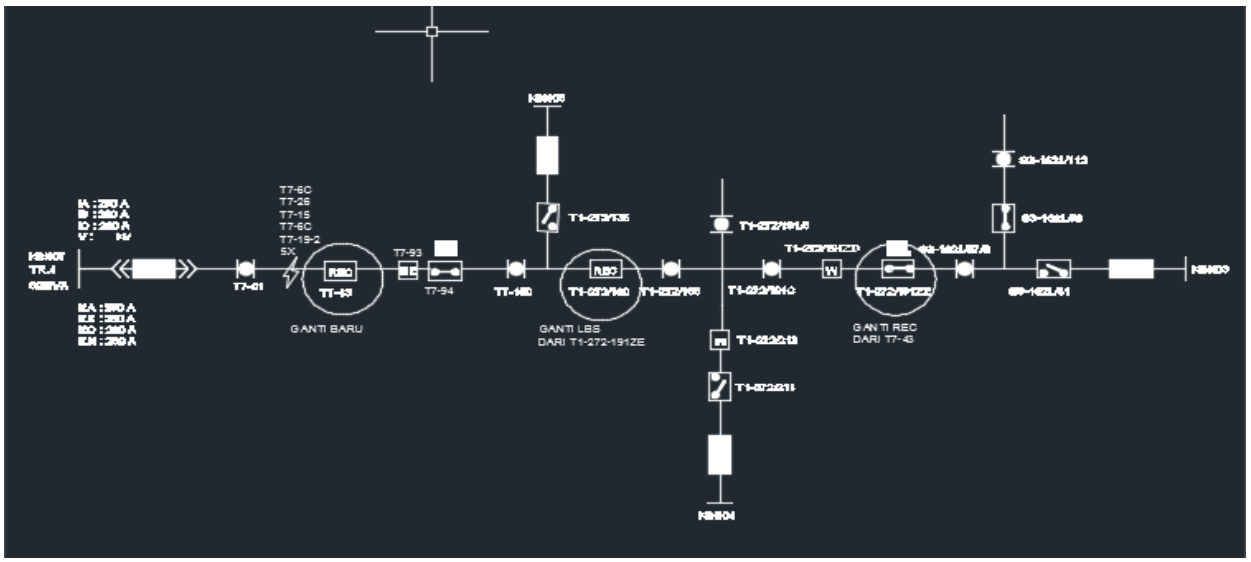
S3-162L/57/8	0.96	A3C	240 mm²
S3-162L/59	0.1	A3C	240 mm²
S3-162L/112	3.72	A3C	240 mm²

Data Single Line Diagram

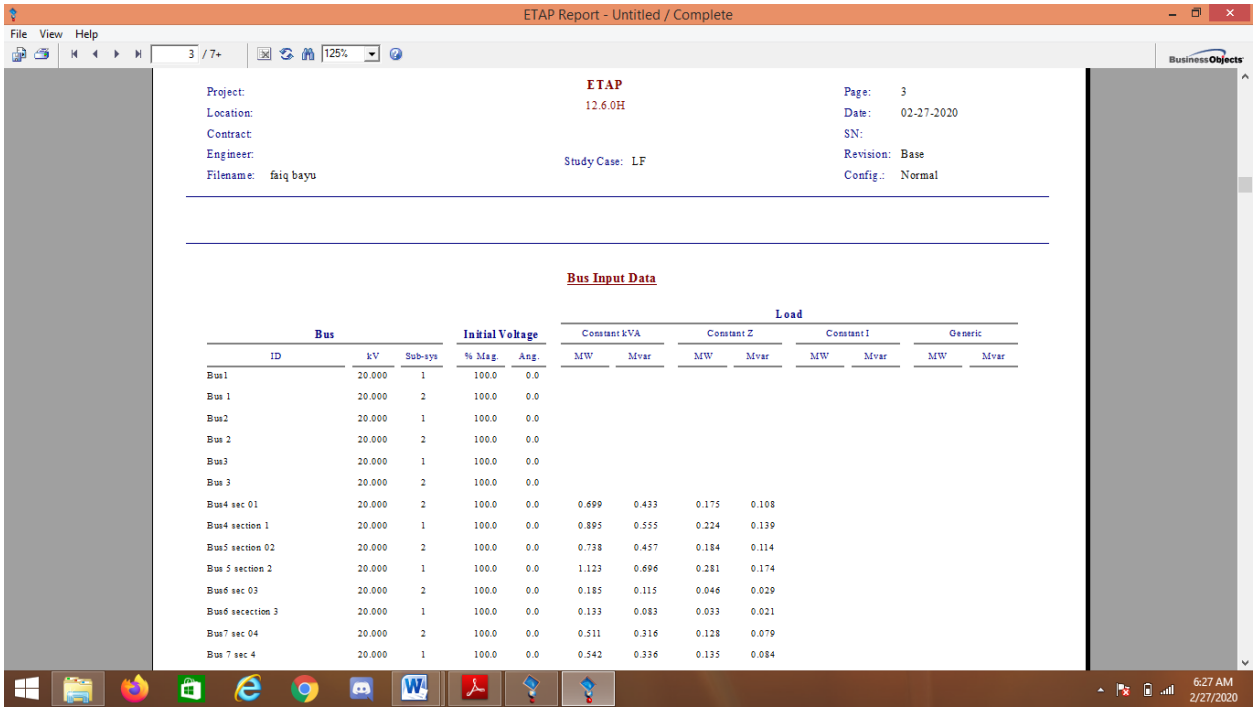
KSN 03

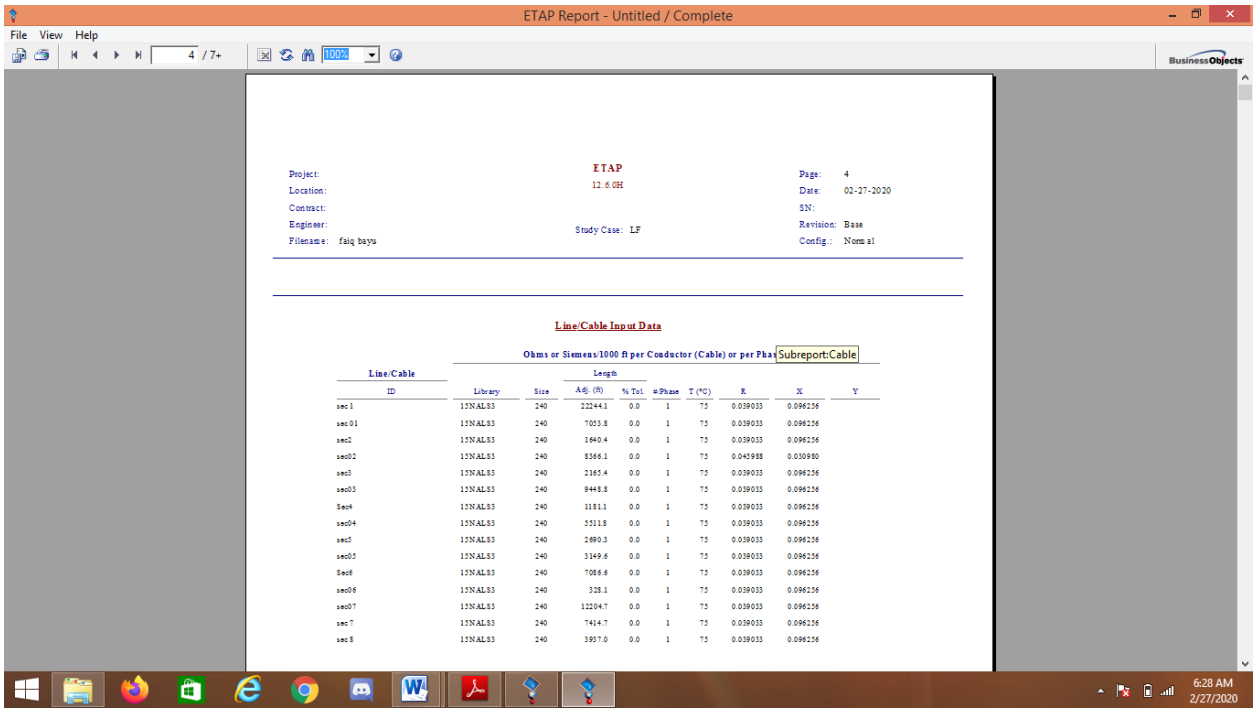


KSN 07



2. Report Simulasi E-TAP12.6.0






ETAP Report - Untitled / Complete
File View Help
7 / 7+
100%
BusinessObjects
Location:
Contract:
Engineer:
Filename: faiq bayu
12.6.0H
Study Case: LF
Date: 02-27-2020
SN:
Revision: Base
Config.: Normal
LOAD FLOW REPORT
Bus
Voltage
Generation
Load
Load Flow
XFMR
ID
kV
% Mag.
Ang.
MW
Mvar
MW
Mvar
ID
MW
Mvar
Amp
%PF
%Tap
*Bus1 20.000 100.000 0.0 4.974 3.288 0 0 Bus2 4.974 3.288 172.1 83.4
*Bus 1 20.000 100.000 0.0 4.370 2.808 0 0 Bus 2 4.370 2.808 149.9 84.1
Bus2 20.000 99.529 -0.4 0 0 0 0 Bus1 -4.972 -3.240 172.1 83.8
Bus3 4.972 3.240 172.1 83.8
Bus 2 20.000 99.596 -0.3 0 0 0 0 Bus 1 -4.368 -2.772 149.9 84.4
Bus 3 4.368 2.772 149.9 84.4
Bus3 20.000 99.529 -0.4 0 0 0 0 Bus4 section 1 4.972 3.240 172.1 83.8
Bus2 -4.972 -3.240 172.1 83.8
Bus 3 20.000 99.596 -0.3 0 0 0 0 Bus4 sec 01 4.368 2.772 149.9 84.4
Bus 2 -4.368 -2.772 149.9 84.4
Bus4 sec 01 20.000 98.824 -0.6 0 0 0.870 0.539 Bus 3 -4.349 -2.726 149.9 84.7
Bus5 section 02 3.479 2.187 120.0 84.7
Bus4 section 1 20.000 96.722 -1.5 0 0 1.104 0.684 Bus3 -4.894 -3.050 172.1 84.9
Bus 5 section 2 3.790 2.366 133.4 84.8
Bus5 section 02 20.000 98.342 -0.7 0 0 0.916 0.568 Bus4 sec 01 -3.463 -2.176 120.0 84.7
Bus6 sec 03 2.546 1.608 88.4 84.6
Bus 5 section 2 20.000 96.562 -1.6 0 0 1.384 0.858 Bus4 section 1 -3.787 -2.357 133.4 84.9
Bus6 secection 3 2.402 1.499 84.7 84.8
Bus6 sec 03 20.000 97.732 -0.9 0 0 0.229 0.142 Bus5 section 02 -2.538 -1.587 88.4 84.8
Bus7 sec 04 2.309 1.445 80.4 84.8
Bus6 secection 3 20.000 96.429 -1.7 0 0 0.164 0.102 Bus 5 section 2 -2.401 -1.495 84.7 84.9
Bus 7 sec 4 2.236 1.393 78.9 84.9
Bus7 sec 04 20.000 97.409 -1.0 0 0 0.632 0.392 Bus6 sec 03 -2.305 -1.435 80.4 84.9
Bus8 sec 05 1.673 1.043 58.4 84.9
6:29 AM
2/27/2020