

LAMPIRAN-LAMPIRAN

LAMPIRAN 1

No	Nama Aset	Longitude	Latitude	Kapasitas Trafo	Nama Penyulang	IR	IS	IT	IN	waktu
1	AA001	112.730.462	-7.234.035	200	Atom	187	171	170	36	22/04/2019 9:41
2	AA002	112.730.785	-7.233.433	75	Atom	4	34	4	29	22/04/2019 9:50
3	AA796	112.730.793	-7.233.373	100	Atom	69	45	63	20	22/04/2019 9:46
4	AA003	112.730.914	-7.232.664	75	Atom	78	13	37	23	22/04/2019 9:41
5	AA005	11.273.149	-7.232.595	160	Atom	71	17	43	55	22/04/2019 9:30
6	AA006	112.732.684	-723.303	160	Atom	140	150	91	12	22/04/2019 9:33
7	AA008	1.127.343	-7.233.688	100	Atom	42	63	89	45	22/04/2019 9:36
8	AA011	112.736.524	-7.232.918	75	Atom	16	46	18	5	23/04/2019 13:41
9	AA012	11.273.741	-7.233.085	100	Atom	43	26	24	19	23/04/2019 13:36
10	AA014	112.736.984	-7.234.689	160	Atom	121	112	151	29	23/04/2019 13:31
11	AA015	112.736.812	-7.234.682	160	Atom	32	26	27	38	23/04/2019 13:27
12	AA016	112.735861	-7.235832	200	Atom	110	85	111	36	26/04/2019 12:54
13	AA020	112.736618	-7.23754	160	Atom	65	71	51	16	26/04/2019 13:12
14	AA021	112.737015	-7.237726	100	Atom	48	41	44	21	26/04/2019 13:16
15	AA022	112.735439	-7.235901	160	Atom	92	126	124	44	26/04/2019 9:43
16	AA024	112.736495	-7.236083	100	Atom	50	64	45	5	26/04/2019 13:00
17	AA025	112.736725	-7.236195	250	Atom	29	48	5	38	26/04/2019 13:04
18	AA027	112.737286	-7.236535	200	Atom	107	109	84	40	26/04/2019 13:08
19	AA028	112.738.876	-7.236.325	200	Atom	155	125	183	54	23/04/2019 13:22
20	AA034	112.739.852	-7.236.765	250	Atom	116	48	93	59	23/04/2019 12:47
21	AA035	112.739.887	-7.236.744	200	Atom	129	122	125	29	23/04/2019 12:50
22	AA036	11.273.858	-7.237.623	150	Atom	128	120	159	41	24/04/2019 9:59
23	AA039	11.273.856	-7.238.618	160	Atom	50	42	51	12	24/04/2019 9:48
24	AA040	112.738.841	-7.240.426	100	Atom	120	130	141	11	24/04/2019 9:44
25	AA041	112.738.952	-7.240.601	160	Atom	50	63	74	29	24/04/2019 9:40
26	AA120	112.738.438	-723.188	100	BBI	36	74	53	46	27/02/2019 11:34
27	AA121	112.738.443	-7.231.332	160	BBI	149	160	154	26	27/02/2019 11:38
28	AA068	112.738.412	-7.228.611	150	BBI	17	11	5	11	27/02/2019 11:42
29	AA115	112.732.522	-7.227.406	200	BBI	70	106	142	62	27/02/2019 10:49
30	AA116	112.733.397	-7.222.549	75	BBI	38	23	33	10	27/02/2019 10:53
31	AA046	112.733.033	-7.222.735	100	Johor	16	37	30	21	27/02/2019 10:57
32	AA048	112.733.238	-7.224.428	160	Johor	48	30	86	14	26/02/2019 11:59
33	AA049	112.732.338	-7.226.007	100	Johor	76	62	109	7	26/02/2019 12:03
34	AA051	112.734.933	-7.223.147	50	Johor	34	30	34	8	26/02/2019 10:54
35	AA052	112.733.811	-7.224.455	250	Johor	119	110	119	31	26/02/2019 10:50
36	AA054	11.273.522	-7.224.961	75	Johor	2	7	3	7	26/02/2019 10:41
37	AA056	112.734.017	-7.226.252	200	Johor	81	118	76	37	26/02/2019 10:37
38	AA057	112.734.964	-7.226.808	75	Johor	52	46	2	48	26/02/2019 10:34
39	AA061	112.736.338	-7.227.543	75	Johor	17	52	51	30	26/02/2019 10:28
40	AA714	112.737.437	-7.223.632	160	Johor	18	22	14	15	26/02/2019 11:50
41	AA785	112.732.229	-7.224.201	100	Johor	127	96	147	56	27/02/2019 11:04
42	AA821	112.735.661	-7.223.346	100	Johor	143	74	80	6	26/02/2019 10:47
43	AA117	112.733.858	-7.228.149	150	Kalimas	75	86	89	30	15/04/2019 12:01
44	AA118	112.738.039	-7.228.939	160	Kalimas	60	58	69	10	15/04/2019 12:18
45	AA119	112.737.898	-7.230.534	200	Kalimas	74	70	75	13	15/04/2019 12:22
46	AA126	112.740.604	-7.233.545	150	Kalimas	92	107	105	3	15/04/2019 12:39
47	AA127	11.274.088	-7.232.163	150	Kalimas	112	56	86	NULL	15/04/2019 12:44
48	AA128	11.274.088	-7.231.576	160	Kalimas	155	153	183	NULL	15/04/2019 12:49
49	AA129	112.740.798	-7.231.133	160	Kalimas	158	127	141	38	15/04/2019 12:53
50	AA130	112.740.795	-7.230.427	100	Kalimas	56	90	68	25	15/04/2019 13:00

LAMPIRAN 2

No	Nama Aset	Longitude	Latitude	Kapasitas Trafo	Nama Penyulang	IR	IS	IT	IN	waktu
51	AA133	112.740.182	-7.229.106	250	Kalimas	122	130	114	35	16/04/2019 12:28
52	AA134	112.741.097	-7.230.154	250	Kalimas	2	3	4	0	16/04/2019 12:42
53	AA136	112.741.398	-7.228.663	160	Kalimas	115	113	98	33	16/04/2019 12:33
54	AA144	112.742.793	-7.234.172	200	Kalimas	100	166	210	112	15/04/2019 12:32
55	AA744	112.740.743	-7.230.425	200	Kalimas	132	71	138	49	15/04/2019 12:57
56	AA765	112.737.942	-7.228.249	100	Kalimas	44	29	64	20	15/04/2019 12:13
57	AA072	112.729.283	-7.230.791	160	Tambak Gringsing	119	68	71	40	10/04/2019 12:17
58	AA074	112.729.862	-7.231.672	200	Tambak Gringsing	166	31	76	98	08/04/2019 11:25
59	AA075	112.730.125	-7.231.667	200	Tambak Gringsing	124	153	168	63	08/04/2019 11:18
60	AA078	112.734.024	-7.230.199	160	Tambak Gringsing	89	64	47	48	08/04/2019 10:42
61	AA079	112.733.739	-7.231.144	150	Tambak Gringsing	68	84	93	29	08/04/2019 10:38
62	AA088	112.734.026	-7.229.482	150	Tambak Gringsing	116	64	130	63	08/04/2019 10:49
63	AA089	112.735.569	-722.917	150	Tambak Gringsing	64	48	118	63	08/04/2019 11:04
64	AA091	11.273.623	-722.815	100	Tambak Gringsing	79	71	62	3	09/04/2019 11:13
65	AA093	112.736.089	-7.230.867	160	Tambak Gringsing	38	31	40	16	08/04/2019 10:58
66	AA094	112.736.335	-7.230.398	100	Tambak Gringsing	57	69	42	28	08/04/2019 10:53
67	AA097	112.736.379	-7.231.155	100	Tambak Gringsing	49	38	23	20	09/04/2019 11:19
68	AA100	112.737.653	-7.232.003	100	Tambak Gringsing	34	42	24	22	09/04/2019 11:24
69	AA101	112.739.036	-7.233.688	100	Tambak Gringsing	29	16	23	41	09/04/2019 11:31
70	AA104	112.741.107	-7.237.174	200	Tambak Gringsing	114	80	78	51	09/04/2019 11:49
71	AA106	112.741.367	-723.617	160	Tambak Gringsing	128	73	139	68	09/04/2019 11:44
72	AA108	112.742.467	-7.235.255	150	Tambak Gringsing	50	29	20	22	10/04/2019 12:52
73	AA109	11.274.311	-7.235.162	150	Tambak Gringsing	98	110	159	54	09/04/2019 12:02
74	AA110	112.742.369	-7.236.481	150	Tambak Gringsing	24	54	106	30	10/04/2019 10:17
75	AA112	112.743.544	-7.23.682	150	Tambak Gringsing	85	100	91	23	09/04/2019 11:53
76	AA114	112.744.464	-7.238.233	100	Tambak Gringsing	85	44	75	20	10/04/2019 10:09
77	AA705	112.734.341	-7.229.618	100	Tambak Gringsing	42	29	7	31	08/04/2019 10:45
78	AA602	112.742.505	-7.242.067	200	Kebon Rojo	100	48	107	31	21/02/2019 9:41
79	AA603	112.741.729	-7.242.003	200	Kebon Rojo	113	86	97	27	21/02/2019 9:46
80	AA250	112.741.653	-7.241.586	100	Kebon Rojo	197	173	187	26	21/02/2019 9:51
81	AA224	112.740.402	-7.241.857	160	Kebon Rojo	110	54	58	59	21/02/2019 9:57
82	AA242	112.741.428	-724.091	150	Kebon Rojo	56	44	32	21	21/02/2019 10:06
83	AA244	112.741.562	-7.240.061	160	Kebon Rojo	90	117	109	29	21/02/2019 10:10
84	AA246	112.742.151	-723.971	100	Kebon Rojo	69	56	76	18	21/02/2019 10:16
85	AA247	112.741.788	-7.238.669	100	Kebon Rojo	82	133	89	34	21/02/2019 10:24
86	AA248	112.741.832	-7.238.432	150	Kebon Rojo	93	146	95	45	21/02/2019 10:28
87	AA249	112.741.837	-7.238.345	200	Kebon Rojo	81	85	102	29	21/02/2019 10:35
88	AA449	112.731.993	-7.240.453	160	Kebon Rojo	46	36	48	8	21/02/2019 11:07
89	AA239	112.740.892	-7.238.544	150	Kebon Rojo	108	84	115	38	22/02/2019 11:12
90	AA235	112.740.594	-7.239.949	200	Kebon Rojo	91	81	69	19	22/02/2019 11:19
91	AA229	112.740.162	-7.239.989	250	Kebon Rojo	94	68	54	43	22/02/2019 11:24
92	AA231	112.739.943	-7.240.012	160	Kebon Rojo	40	46	41	12	22/02/2019 11:31
93	AA232	112.739.327	-7.239.994	200	Kebon Rojo	51	54	53	12	22/02/2019 11:41
94	AA233	112.739.242	-7.239.344	150	Kebon Rojo	99	90	101	31	22/02/2019 11:46
95	AA234	112.739.724	-7.239.115	100	Kebon Rojo	12	34	21	18	22/02/2019 11:53
96	AA238	112.740.787	-7.239.242	200	Kebon Rojo	85	158	131	64	22/02/2019 11:57
97	AA228	112.740.648	-7.240.339	100	Kebon Rojo	27	28	55	15	22/02/2019 12:04
98	AA446	112.735.811	-7.243.473	160	Kebon Rojo	201	177	195	34	19/02/2019 11:53
99	AA447	112.733.894	-7.242.331	100	Kebon Rojo	80	45	73	16	19/02/2019 11:59
100	AA448	112.732.836	-723.978	160	Kebon Rojo	91	75	67	19	19/02/2019 12:05

LAMPIRAN 3

No	Nama Aset	Longitude	Latitude	Kapasitas Trafo	Nama Penyulang	IR	IS	IT	IN	waktu
101	AA450	112.731.183	-7.238.098	160	Kebon Rojo	55	64	47	19	19/02/2019 12:10
102	AA601	112.741.461	-7.242.602	200	Kebon Rojo	166	66	55	100	19/02/2019 12:23
103	AA164	112.731.115	-7.234.338	250	Rajawali	112	86	93	25	13/02/2019 8:25
104	AA165	112.732.009	-7.234.345	200	Rajawali	64	71	70	17	15/02/2019 9:52
105	AA762	112.731.436	-7.233.614	200	Rajawali	9	5	7	6	15/02/2019 10:08
106	AA169	11.273.387	-7.234.501	200	Rajawali	51	71	50	47	15/02/2019 10:40
107	AA170	112.734.539	-7.234.734	75	Rajawali	6	20	21	15	15/02/2019 10:47
108	AA010	112.734.108	-7.232.311	160	Rajawali	37	22	43	15	15/02/2019 10:33
109	AA810	112.732.276	-7.234.198	100	Rajawali	58	32	40	25	13/02/2019 8:30
110	AA173	112.733.935	-7.235.069	100	Rajawali	13	10	11	4	15/02/2019 10:50
111	AA009	112.734.653	-7.232.545	160	Rajawali	149	76	146	53	15/02/2019 10:28
112	AA166	112.731.244	-7.233.337	75	Rajawali	26	63	65	14	15/02/2019 10:03
113	AA172	112.733.629	-7.235.222	200	Rajawali	107	59	82	43	15/02/2019 11:03
114	AA175	112.734.439	-7.235.752	200	Rajawali	112	81	98	33	13/02/2019 9:12
115	AA177	112.734.236	-7.236.474	160	Rajawali	57	58	18	40	13/02/2019 9:18
116	AA179	112.733.395	-7.236.689	75	Rajawali	3	31	80	58	13/02/2019 9:22
117	AA180	112.732.885	-7.236.584	100	Rajawali	53	57	33	26	14/02/2019 9:06
118	AA181	112.734.752	-7.237.637	150	Rajawali	99	78	55	20	14/02/2019
119	AA182	112.735.651	-7.237.965	160	Rajawali	114	64	101	47	14/02/2019 9:42
120	AA183	112.736.989	-7.238.834	200	Rajawali	106	134	66	60	14/02/2019 9:48
121	AA184	112.737.109	-7.238.391	160	Rajawali	30	26	34	15	14/02/2019 9:52
122	AA185	112.734.097	-7.238.048	160	Rajawali	138	235	165	76	14/02/2019 10:36
123	AA186	112.734.102	-7.238.829	75	Rajawali	145	150	155	32	14/02/2019 9:37
124	AA187	11.273.386	-7.240.657	150	Rajawali	122	164	94	62	18/02/2019 10:29
125	AA189	112.735.314	-7.241.139	160	Rajawali	88	77	66	24	18/02/2019 10:22
126	AA190	112.733.507	-7.238.815	150	Rajawali	74	73	41	41	14/02/2019 9:31
127	AA191	112.732.502	-7.238.549	160	Rajawali	53	56	69	20	14/02/2019 9:27
128	AA192	112.733.173	-7.237.812	100	Rajawali	67	62	80	3	14/02/2019 9:18
129	AA193	112.732.109	-7.237.993	75	Rajawali	24	41	21	NULL	14/02/2019 9:14
130	AA194	112.733.167	-7.237.237	100	Rajawali	57	46	50	NULL	14/02/2019 9:21
131	AA199	112.735.049	-7.238.605	200	Rajawali	66	77	69	21	21/09/2018 10:16
132	AA203	11.273.721	-7.238.981	160	Rajawali	120	150	120	24	16/02/2019 10:11
133	AA206	112.736.598	-7.240.679	150	Rajawali	95	100	95	3	16/02/2019 10:52
134	AA207	112.736.963	-7.240.685	200	Rajawali	123	157	172	55	16/02/2019 10:55
135	AA208	112.736.264	-7.241.636	200	Rajawali	195	161	190	34	18/02/2019 10:15
136	AA803	112.736.253	-7.240.687	100	Rajawali	3	4	22	20	18/02/2019 10:47
137	AA742	112.735.114	-7.238.358	200	Rajawali	128	163	164	50	18/02/2019 10:28
138	AA063	112.737.446	-7.225.374	200	Telkom	110	76	146	76	28/02/2019 11:59
139	AA065	112.739.411	-7.225.023	160	Telkom	74	83	92	24	01/03/2019 9:19
140	AA145	112.743.268	-7.232.826	160	Telkom	93	142	220	102	28/02/2019 11:15
141	AA146	112.743.877	-7.231.997	160	Telkom	75	123	103	57	28/02/2019 11:18
142	AA152	11.274.327	-7.228.804	150	Telkom	151	118	77	65	01/03/2019 9:05
143	AA153	112.742.808	-7.229.062	160	Telkom	108	166	137	69	01/03/2019 8:55
144	AA154	112.745.492	-7.227.817	100	Telkom	64	62	79	20	28/02/2019 11:32
145	AA156	112.743.946	-7.227.616	150	Telkom	120	80	57	57	01/03/2019 9:10
146	AA157	112.745.756	-7.227.215	150	Telkom	121	74	101	36	28/02/2019 11:39
147	AA159	11.274.543	-7.225.909	75	Telkom	89	129	53	70	28/02/2019 11:44
148	AA161	112.743.014	-7.225.664	150	Telkom	132	103	69	54	28/02/2019 11:48
149	AA184	11.274.282	-7.229.291	160	Telkom	87	132	100	46	01/03/2019 8:59
150	AA747	112.745.394	-7.229.981	200	Telkom	94	100	83	25	28/02/2019 11:28

LAMPIRAN 4

No	Nama Aset	Longitude	Latitude	Kapasitas Trafo	Nama Penyulang	IR	IS	IT	IN	waktu
151	AA322	112.747.057	-7.262.906	250	Ketabang kali	68	62	90	18	21/03/2019 8:50
152	AA323	112.746.607	-7.262.376	75	Ketabang kali	43	33	57	21	21/03/2019 8:58
153	AA324	112.744.266	-7.260.207	100	Ketabang kali	43	32	47	12	21/03/2019 9:12
154	AA325	112.744.896	-7.259.239	150	Ketabang kali	28	3	8	8	21/03/2019 9:20
155	AA326	112.744.323	-7.25.899	160	Ketabang kali	22	60	52	39	21/03/2019 9:26
156	AA327	112.744.176	-7.258.996	160	Ketabang kali	44	28	55	29	21/03/2019 9:29
157	AA328	112.744.255	-7.258.428	100	Ketabang kali	66	65	75	18	21/03/2019 9:37
158	AA329	112.744.423	-7.253.588	160	Ketabang kali	67	56	62	22	21/03/2019 10:19
159	AA334	112.747.602	-7.247.388	100	Ketabang kali	26	17	27	6	10/05/2019 10:24
160	AA335	112.748.558	-7.247.752	150	Ketabang kali	51	84	60	1	10/05/2019 10:29
161	AA336	112.748.951	-7.247.791	160	Ketabang kali	68	79	55	20	10/05/2019 10:32
162	AA337	112.748.805	-7.248.143	100	Ketabang kali	31	56	49	26	10/05/2019 10:35
163	AA338	112.747.564	-7.246.212	160	Ketabang kali	103	110	134	39	10/05/2019 10:20
164	AA340	112.749.285	-7.246.619	100	Ketabang kali	59	58	49	20	10/05/2019 10:14
165	AA523	112.742.854	-7.260.817	50	Ketabang kali	18	42	12	27	21/03/2019 9:05
166	AA594	112.748.587	-7.247.329	75	Ketabang kali	27	22	35	12	10/05/2019 10:41
167	AA704	112.743.914	-7.260.247	100	Ketabang kali	121	100	57	NULL	21/03/2019 9:08
168	AA713	112.746.611	-7.248.752	100	Ketabang kali	42	38	14	10	10/05/2019 10:47
169	AA753	112.745.228	-7.251.209	250	Ketabang kali	74	59	63	20	21/03/2019 10:14
170	AA855	112.743.731	-7.254.911	160	Ketabang kali	86	104	90	14	21/03/2019 10:24
171	AA261	112.751.717	-7.265.203	200	Kusuma Bangsa	35	58	12	44	04/03/2019 9:06
172	AA262	112.751.534	-7.263.692	160	Kusuma Bangsa	77	52	61	8	04/03/2019 9:18
173	AA265	11.275.039	-7.259.769	150	Kusuma Bangsa	41	33	28	13	04/03/2019 9:23
174	AA267	112.751.669	-725.868	200	Kusuma Bangsa	154	128	165	37	04/03/2019 10:28
175	AA269	112.750.622	-725.721	200	Kusuma Bangsa	143	120	108	37	04/03/2019 9:36
176	AA270	112.750.297	-725.565	160	Kusuma Bangsa	78	69	37	43	04/03/2019 9:43
177	AA271	112.750.284	-7.255.585	160	Kusuma Bangsa	17	19	15	7	04/03/2019 9:46
178	AA273	112.749.689	-7.255.082	150	Kusuma Bangsa	72	58	67	NULL	04/03/2019 9:50
179	AA274	112.749.783	-7.253.527	100	Kusuma Bangsa	28	15	24	NULL	04/03/2019 9:54
180	AA276	112.749.636	-7.251.152	100	Kusuma Bangsa	70	67	56	15	03/01/2019 12:04
181	AA277	112.750.174	-7.251.072	160	Kusuma Bangsa	82	69	64	27	04/03/2019 10:14
182	AA281	11.274.999	-725.013	100	Kusuma Bangsa	77	106	79	34	04/03/2019 10:09
183	AA282	112.750.804	-7.249.025	160	Kusuma Bangsa	106	86	75	35	05/03/2019 11:45
184	AA283	112.751.762	-7.248.553	50	Kusuma Bangsa	92	69	60	31	05/03/2019 11:26
185	AA285	112.751.838	-7.248.223	75	Kusuma Bangsa	68	42	36	41	04/01/2019 11:50
186	AA287	112.751.847	-7.249.447	150	Kusuma Bangsa	149	76	85	69	05/03/2019 11:40
187	AA289	112.752.263	-724.901	150	Kusuma Bangsa	26	17	12	12	05/03/2019 11:30
188	AA291	112.749.074	-7.248.776	150	Kusuma Bangsa	30	50	49	22	04/01/2019 10:16
189	AA292	112.748.751	-7.248.757	100	Kusuma Bangsa	61	70	88	34	04/01/2019 10:14
190	AA297	112.751.977	-7.245.796	75	Kusuma Bangsa	26	36	27	NULL	05/03/2019 11:15
191	AA693	112.750.172	-7.258.122	160	Kusuma Bangsa	99	73	80	NULL	04/03/2019 9:32
192	AA707	112.751.777	-7.264.569	160	Kusuma Bangsa	112	107	67	38	04/03/2019 9:13
193	AA760	112.750.937	-7.258.765	100	Kusuma Bangsa	76	71	92	26	04/03/2019 9:28
194	AA854	112.748.496	-7.248.709	160	Kusuma Bangsa	4	35	23	22	05/03/2019 10:46
195	AA263	112.751.125	-7.260.528	160	Taman Surya	64	109	82	39	06/03/2019 11:23
196	AA301	112.749.679	-7.260.529	160	Taman Surya	166	208	177	51	25/02/2019 13:05
197	AA302	112.749.979	-7.259.265	250	Taman Surya	72	87	96	17	25/02/2019 13:02
198	AA303	11.274.959	-7.258.154	250	Taman Surya	100	94	96	23	25/02/2019 12:59
199	AA305	11.274.822	-7.258.131	250	Taman Surya	159	208	207	50	06/03/2019 12:15
200	AA307	11.274.789	-7.261.094	160	Taman Surya	78	92	69	25	25/02/2019 13:20

LAMPIRAN 5

No	Nama Aset	Longitude	Latitude	Kapasitas Trafo	Nama Penyulang	IR	IS	IT	IN	waktu
201	AA308	112.748.854	-7.259.716	160	Taman Surya	81	75	38	46	06/03/2019 12:30
202	AA312	112.747.505	-7.255.904	150	Taman Surya	104	149	151	3	25/02/2019 13:32
203	AA313	112.749.751	-7.255.952	160	Taman Surya	109	125	110	20	25/02/2019 13:35
204	AA317	112.752.544	-7.255.572	200	Taman Surya	91	92	101	38	07/03/2019 10:53
205	AA699	112.747.945	-7.261.109	160	Taman Surya	12	9	15	8	06/03/2019 12:24
206	AA777	112.750.244	-7.254.746	50	Taman Surya	22	12	14	10	25/02/2019 13:39
207	AA856	112.752.105	-7.255.998	160	Taman Surya	29	43	40	20	07/03/2019 10:59
208	AA354	112.741.059	-7.255.998	200	Yos Sudarso	132	64	70	52	08/03/2019 9:47
209	AA355	11.274.109	-7.255.995	250	Yos Sudarso	120	52	98	68	08/03/2019 9:52
210	AA356	112.741.867	-7.260.291	200	Yos Sudarso	34	56	50	22	08/03/2019 9:56
211	AA358	112.741.586	-7.261.201	100	Yos Sudarso	53	60	40	13	08/03/2019 10:04
212	AA359	112.741.388	-7.261.185	200	Yos Sudarso	165	150	135	22	08/03/2019 10:02
213	AA362	11.273.918	-7.260.996	150	Yos Sudarso	157	79	93	76	18/03/2019 12:48
214	AA366	112.737.142	-7.260.006	150	Yos Sudarso	105	88	86	29	18/03/2019 12:52
215	AA371	112.732.175	-7.255.714	160	Yos Sudarso	125	88	90	34	20/03/2019 10:59
216	AA372	112.732.735	-7.257.893	150	Yos Sudarso	66	62	61	17	20/03/2019 10:51
217	AA375	112.734.132	-7.258.758	150	Yos Sudarso	19	52	16	38	20/03/2019 10:43
218	AA376	112.734.721	-7.259.033	150	Yos Sudarso	98	92	54	30	20/03/2019 10:34
219	AA379	112.736.876	-7.258.143	150	Yos Sudarso	39	67	81	75	08/03/2019 10:32
220	AA686	112.741.123	-7.262.554	250	Yos Sudarso	91	135	96	31	08/03/2019 10:18
221	AA709	112.732.459	-7.257.572	100	Yos Sudarso	94	29	54	48	20/03/2019 10:54
222	AA746	112.737.192	-7.259.859	100	Yos Sudarso	93	75	83	35	18/03/2019 12:56
223	AA412	112.737.006	-7.247.233	150	Jagalan	45	68	55	21	14/03/2019 10:19
224	AA413	112.737.681	-7.247.291	150	Jagalan	86	73	113	36	14/03/2019 10:12
225	AA540	112.744.841	-7.251.628	160	Jagalan	127	165	166	57	12/03/2019 10:03
226	AA541	112.745.204	-7.250.993	200	Jagalan	145	121	95	53	12/03/2019 10:11
227	AA542	112.745.874	-7.249.678	150	Jagalan	118	122	134	20	12/03/2019 10:15
228	AA543	112.746.105	-7.249.211	100	Jagalan	54	30	25	25	12/03/2019 10:18
229	AA544	112.746.621	-7.248.624	160	Jagalan	79	84	61	32	12/03/2019 10:24
230	AA546	112.745.417	-7.248.101	150	Jagalan	52	83	70	33	12/03/2019 10:25
231	AA548	112.744.494	-7.248.103	160	Jagalan	153	118	168	65	13/02/2019 10:58
232	AA549	112.744.315	-7.248.098	150	Jagalan	141	159	151	52	12/03/2019 10:29
233	AA550	112.743.548	-7.248.067	150	Jagalan	18	40	58	38	12/03/2019 10:36
234	AA551	112.741.888	-7.247.927	150	Jagalan	71	84	68	13	12/03/2019 10:40
235	AA553	112.741.335	-7.247.682	100	Jagalan	10	5	1	5	14/03/2019 9:55
236	AA554	112.741.206	-7.247.601	160	Jagalan	28	51	33	21	14/03/2019 9:58
237	AA556	112.740.807	-7.247.212	150	Jagalan	58	61	97	5	14/03/2019 10:30
238	AA557	112.740.325	-7.246.921	200	Jagalan	58	128	82	60	14/03/2019 10:26
239	AA562	112.740.535	-7.247.586	250	Jagalan	24	21	14	10	14/03/2019 10:02
240	AA563	112.739.823	-7.247.608	150	Jagalan	30	48	30	15	14/03/2019 10:06
241	AA737	112.737.236	-7.247.252	100	Jagalan	47	62	50	25	14/03/2019 10:15
242	AA565	112.744.082	-7.255.711	160	Kamboja	61	71	63	12	25/03/2019 11:39
243	AA566	112.744.222	-7.255.726	160	Kamboja	82	80	104	29	25/03/2019 11:44
244	AA568	11.274.469	-7.255.748	160	Kamboja	41	49	48	13	25/03/2019 11:47
245	AA570	112.745.153	-7.256.479	200	Kamboja	141	96	150	43	26/03/2019 12:45
246	AA571	112.745.167	-7.255.648	250	Kamboja	71	104	112	46	26/03/2019 12:41
247	AA573	112.745.305	-7.255.022	75	Kamboja	38	53	56	5	25/03/2019 11:52
248	AA574	112.745.534	-7.253.786	160	Kamboja	113	80	109	26	25/03/2019 12:00
249	AA575	112.745.962	-7.254.618	100	Kamboja	60	54	54	9	25/03/2019 11:56
250	AA576	112.749.177	-7.254.236	150	Kamboja	113	81	126	48	25/03/2019 12:35

LAMPIRAN 6

No	Nama Aset	Longitude	Latitude	Kapasitas Trafo	Nama Penyulang	IR	IS	IT	IN	waktu
251	AA579	112.748.477	-7.253.491	200	Kamboja	64	53	87	23	25/03/2019 12:39
252	AA584	112.746.679	-7.252.379	100	Kamboja	64	55	70	15	26/03/2019 12:52
253	AA587	112.747.903	-7.251.652	160	Kamboja	113	112	97	15	26/03/2019 12:56
254	AA589	112.746.721	-7.251.117	150	Kamboja	102	98	112	47	26/03/2019 13:01
255	AA592	112.748.563	-7.249.422	160	Kamboja	97	102	82	41	26/03/2019 13:11
256	AA706	112.748.679	-7.252.449	100	Kamboja	52	54	62	10	25/03/2019 12:31
257	AA710	112.747.038	-7.253.205	100	Kamboja	74	62	71	29	25/03/2019 12:07
258	AA712	112.745.082	-7.255.935	100	Kamboja	101	18	43	55	26/03/2019 12:36
259	AA721	112.747.996	-7.251.396	200	Kamboja	71	29	30	42	26/03/2019 13:06
260	AA756	112.749.507	-7.253.453	100	Kamboja	73	101	71	33	25/03/2019 12:42
261	AA761	112.746.821	-7.255.673	160	Kamboja	48	50	59	9	06/11/2018 9:43
262	AA253	112.742.878	-7.241.272	250	Pengampon	12	13	16	10	27/03/2019 10:54
263	AA256	11.274.291	-7.238.541	150	Pengampon	90	115	117	25	27/03/2019 10:46
264	AA257	112.742.797	-7.238.362	160	Pengampon	128	147	176	52	27/03/2019 10:45
265	AA593	112.747.187	-724.748	250	Pengampon	194	102	149	90	27/03/2019 10:16
266	AA596	112.747.282	-7.245.249	200	Pengampon	146	154	181	39	27/03/2019 10:19
267	AA597	112.747.586	-7.244.194	150	Pengampon	41	36	49	17	27/03/2019 11:05
268	AA607	112.745.384	-7.240.679	150	Pengampon	86	115	80	28	27/03/2019 11:13
269	AA609	112.744.732	-7.239.231	75	Pengampon	40	58	100	25	27/03/2019 11:17
270	AA608	112.744.769	-7.239.389	160	Pengampon	6	7	32	27	27/03/2019 11:18
271	AA779	112.745.641	-7.241.303	160	Pengampon	18	56	42	38	27/03/2019 10:58
272	AA414	112.740.858	-7.255.509	160	Ahmad djais	42	30	15	17	28/03/2019 12:20
273	AA415	112.740.461	-7.255.419	200	Ahmad djais	104	124	142	24	28/03/2019 12:27
274	AA416	11.273.817	-7.254.481	100	Ahmad djais	37	24	41	NULL	28/03/2019 12:36
275	AA418	112.738.189	-7.254.267	75	Ahmad djais	94	72	54	23	28/03/2019 12:40
276	AA420	112.737.278	-7.253.285	200	Ahmad djais	75	96	74	21	29/03/2019 11:00
277	AA422	112.737.568	-7.253.204	200	Ahmad djais	160	139	150	35	28/03/2019 12:44
278	AA426	112.740.963	-7.251.714	150	Ahmad djais	57	24	77	51	29/03/2019 10:53
279	AA427	11.273.896	-725.091	250	Ahmad djais	79	56	73	27	29/03/2019 10:40
280	AA433	112.737.442	-7.249.873	150	Ahmad djais	58	93	113	57	29/03/2019 11:16
281	AA435	112.737.403	-7.248.928	160	Ahmad djais	115	100	142	42	29/03/2019 11:12
282	AA437	112.735.879	-7.249.906	150	Ahmad djais	29	47	31	22	29/03/2019 11:27
283	AA439	112.735.745	-7.250.362	250	Ahmad djais	147	119	102	47	29/03/2019 11:24
284	AA689	112.741.281	-7.255.489	160	Ahmad djais	105	161	136	36	28/03/2019 12:24
285	AA715	112.740.779	-7.252.017	100	Ahmad djais	37	30	35	12	29/03/2019 10:50
286	AA798	112.741.759	-7.255.515	100	Ahmad djais	53	69	66	21	28/03/2019 10:48
287	AA800	11.273.878	-7.251.031	100	Ahmad djais	58	85	48	30	29/03/2019 10:43
288	AA816	112.740.553	-724.998	100	Ahmad djais	36	3	17	14	29/03/2019 10:46
289	AA852	112.739.101	-7.255.495	160	Ahmad djais	46	54	53	12	28/03/2019 12:33

LAMPIRAN 7

No	Nama Aset	Longitude	Latitude	Kapasitas Trafo	Nama Penyulang	IR	IS	IT	IN	waktu
1	AA001	112.730.462	-7.234.035	200	Atom	20	20	10	27	08/01/2019 19:16
2	AA002	112.730.785	-7.233.433	75	Atom	12	59	10	46	08/01/2019 19:21
3	AA796	112.730.793	-7.233.373	100	Atom	51	18	55	34	08/01/2019 19:23
4	AA003	112.730.914	-7.232.664	75	Atom	50	38	66	37	08/01/2019 19:26
5	AA005	11.273.149	-7.232.595	160	Atom	102	39	79	78	08/01/2019 19:29
6	AA006	112.732.684	-723.303	160	Atom	201	201	119	112	08/01/2019 19:32
7	AA008	1.127.343	-7.233.688	100	Atom	67	69	65	21	08/01/2019 19:36
8	AA011	112.736.524	-7.232.918	75	Atom	15	24	15	8	09/01/2019 19:40
9	AA012	11.273.741	-7.233.085	100	Atom	41	16	17	28	09/01/2019 19:44
10	AA014	112.736.984	-7.234.689	160	Atom	23	30	18	14	09/01/2019 19:47
11	AA015	112.736.812	-7.234.682	160	Atom	11	4	10	9	09/01/2019 19:50
12	AA016	112.735.861	-7.235.832	200	Atom	14	11	35	22	09/01/2019 20:03
13	AA020	112.736.618	-723.754	160	Atom	15	22	26	9	11/01/2019 19:05
14	AA021	112.737.015	-7.237.726	100	Atom	31	36	51	33	11/01/2019 19:02
15	AA022	112.735.439	-7.235.901	160	Atom	47	42	46	20	09/01/2019 19:58
16	AA024	112.736.495	-7.236.083	100	Atom	37	12	30	10	10/01/2019 19:33
17	AA025	112.736.725	-7.236.195	250	Atom	6	36	6	21	10/01/2019 19:36
18	AA027	112.737.286	-7.236.535	200	Atom	50	17	24	40	10/01/2019 19:39
19	AA028	112.738.876	-7.236.325	200	Atom	49	36	40	13	11/01/2019 19:15
20	AA034	112.739.852	-7.236.765	250	Atom	24	6	18	16	11/01/2019 19:19
21	AA035	112.739.887	-7.236.744	200	Atom	46	43	50	24	11/01/2019 19:22
22	AA036	11.273.858	-7.237.623	150	Atom	37	55	51	27	10/01/2019 19:54
23	AA039	11.273.856	-7.238.618	160	Atom	15	7	11	9	10/01/2019 19:51
24	AA040	112.738.841	-7.240.426	100	Atom	43	75	37	44	10/01/2019 19:47
25	AA041	112.738.952	-7.240.601	160	Atom	15	8	25	10	10/01/2019 19:45
26	AA120	112.738.438	-723.188	100	BBI	44	60	34	33	30/04/2019 20:17
27	AA121	112.738.443	-7.231.332	160	BBI	113	122	136	32	30/04/2019 20:22
28	AA068	112.738.412	-7.228.611	150	BBI	9	19	5	14	30/04/2018 18:35
29	AA115	112.732.522	-7.227.406	200	BBI	83	124	185	84	30/04/2019 19:16
30	AA116	112.733.397	-722.549	75	BBI	43	24	49	NULL	30/04/2019 19:12
31	AA046	112.733.033	-7.222.735	100	Johor	28	62	28	38	21/02/2019 19:43
32	AA048	112.733.238	-7.224.428	160	Johor	44	42	133	82	21/02/2019 19:28
33	AA049	112.732.338	-7.226.007	100	Johor	84	91	114	10	21/02/2019 19:33
34	AA051	112.734.933	-7.223.147	50	Johor	29	48	57	26	21/02/2019 19:19
35	AA052	112.733.811	-7.224.455	250	Johor	170	164	167	61	21/02/2019 19:24
36	AA054	11.273.522	-7.224.961	75	Johor	1	8	3	10	21/02/2019 19:00
37	AA056	112.734.017	-7.226.252	200	Johor	125	170	126	71	22/02/2019 19:13
38	AA057	112.734.964	-7.226.808	75	Johor	72	60	3	12	21/02/2019 19:05
39	AA061	112.736.338	-7.227.543	75	Johor	62	65	29	3	21/02/2019 19:11
40	AA714	112.733.437	-7.223.632	160	Johor	21	40	95	35	21/02/2019 19:39
41	AA785	112.732.229	-7.224.201	100	Johor	97	76	130	62	22/02/2019 19:39
42	AA821	112.735.661	-7.223.346	100	Johor	115	117	47	36	21/02/2019 19:15
43	AA117	112.733.858	-7.228.149	150	Kalimas	117	131	135	60	09/04/2019 18:33
44	AA118	112.738.039	-7.228.939	160	Kalimas	97	91	106	24	09/04/2019 18:21
45	AA119	112.737.898	-7.230.534	200	Kalimas	48	41	49	16	09/04/2019 18:14
46	AA126	112.740.604	-7.233.545	150	Kalimas	160	124	135	NULL	08/04/2019 18:32
47	AA127	11.274.088	-7.232.163	150	Kalimas	194	106	123	NULL	08/04/2019 18:38
48	AA128	11.274.088	-7.231.576	160	Kalimas	160	155	172	NULL	08/04/2019 18:43
49	AA129	112.740.798	-7.231.133	160	Kalimas	206	182	173	48	08/04/2019 18:48
50	AA130	112.740.795	-7.230.427	100	Kalimas	43	99	82	55	08/04/2019 18:54

LAMPIRAN 8

No	Nama Aset	Longitude	Latitude	Kapasitas Trafo	Nama Penyulang	IR	IS	IT	IN	waktu
51	AA133	112.740.182	-7.229.106	250	Kalimas	173	208	145	69	08/04/2019 19:04
52	AA134	112.741.097	-7.230.154	250	Kalimas	11	11	9	2	08/04/2019 19:19
53	AA136	112.741.398	-7.228.663	160	Kalimas	136	124	144	50	08/04/2019 19:11
54	AA144	112.742.793	-7.234.172	200	Kalimas	80	120	163	70	08/04/2019 18:25
55	AA744	112.740.743	-7.230.425	200	Kalimas	162	94	135	27	08/04/2019 18:58
56	AA765	112.737.942	-7.228.249	100	Kalimas	39	35	44	11	09/04/2019 18:25
57	AA072	112.729.283	-7.230.791	160	Tambak Gringsing	51	20	45	31	18/04/2019 19:45
58	AA074	112.729.862	-7.231.672	200	Tambak Gringsing	173	18	79	96	05/04/2019 19:31
59	AA075	112.730.125	-7.231.667	200	Tambak Gringsing	153	230	233	119	05/04/2019 19:39
60	AA078	112.734.024	-7.230.199	160	Tambak Gringsing	88	84	65	59	05/04/2019 19:59
61	AA079	112.733.739	-7.231.144	150	Tambak Gringsing	128	103	77	51	05/04/2019 19:52
62	AA088	112.734.026	-7.229.482	150	Tambak Gringsing	150	85	140	71	05/04/2019 20:09
63	AA089	112.735.569	-722.917	150	Tambak Gringsing	81	103	106	58	05/04/2019 20:15
64	AA091	11.273.623	-722.815	100	Tambak Gringsing	110	82	76	31	15/04/2019 18:27
65	AA093	112.736.089	-7.230.867	160	Tambak Gringsing	54	48	48	23	05/04/2019 20:21
66	AA094	112.736.335	-7.230.398	100	Tambak Gringsing	57	38	40	16	05/04/2019 20:25
67	AA097	112.736.379	-7.231.155	100	Tambak Gringsing	47	36	22	12	15/04/2019 18:41
68	AA100	112.737.653	-7.232.003	100	Tambak Gringsing	19	15	17	7	18/04/2019 18:31
69	AA101	112.739.036	-7.233.688	100	Tambak Gringsing	10	11	29	20	15/04/2019 18:49
70	AA104	112.741.107	-7.237.174	200	Tambak Gringsing	10	3	24	22	15/04/2019 19:01
71	AA106	112.741.367	-723.617	160	Tambak Gringsing	21	9	35	24	15/04/2019 18:55
72	AA108	112.742.467	-7.235.255	150	Tambak Gringsing	5	2	7	7	18/04/2019 18:38
73	AA109	11.274.311	-7.235.162	150	Tambak Gringsing	63	59	100	44	18/04/2019 18:41
74	AA110	112.742.369	-7.236.481	150	Tambak Gringsing	9	31	31	24	15/04/2019 19:16
75	AA112	112.743.544	-7.23.682	150	Tambak Gringsing	13	30	15	14	15/04/2019 19:12
76	AA114	112.744.464	-7.238.233	100	Tambak Gringsing	32	12	41	21	15/04/2019 19:07
77	AA705	112.734.341	-7.229.618	100	Tambak Gringsing	48	26	15	38	05/04/2019 20:06
78	AA601	112.741.461	-7.242.602	200	Kebon Rojo	94	26	23	69	27/02/2019 19:30
79	AA602	112.742.505	-7.242.067	200	Kebon Rojo	6	17	27	20	27/02/2019 19:00
80	AA603	112.741.729	-7.242.003	200	Kebon Rojo	6	4	2	5	27/02/2019 18:56
81	AA250	112.741.653	-7.241.586	100	Kebon Rojo	79	104	97	33	27/02/2019 18:51
82	AA224	112.740.402	-7.241.857	160	Kebon Rojo	76	43	53	37	27/02/2019 19:22
83	AA242	112.741.428	-724.091	150	Kebon Rojo	16	29	19	10	27/02/2019 19:05
84	AA244	112.741.562	-7.240.061	160	Kebon Rojo	54	48	42	13	27/02/2019 19:11
85	AA246	112.742.151	-723.971	100	Kebon Rojo	24	28	42	21	27/02/2019 19:15
86	AA247	112.741.788	-7.238.669	100	Kebon Rojo	18	5	14	8	26/02/2019 20:43
87	AA248	112.741.832	-7.238.432	150	Kebon Rojo	12	17	7	9	26/02/2019 20:46
88	AA249	112.741.837	-7.238.345	200	Kebon Rojo	18	13	19	3	26/02/2019 20:51
89	AA449	112.731.993	-7.240.453	160	Kebon Rojo	3	10	5	8	25/02/2019 19:32
90	AA239	112.740.892	-7.238.544	150	Kebon Rojo	48	12	60	50	26/02/2019 20:38
91	AA235	112.740.594	-7.239.949	200	Kebon Rojo	48	30	43	19	25/02/2019 18:40
92	AA229	112.740.162	-7.239.989	250	Kebon Rojo	65	45	11	49	25/02/2019 18:44
93	AA231	112.739.943	-7.240.012	160	Kebon Rojo	9	10	6	5	25/02/2019 18:50
94	AA232	112.739.327	-7.239.994	200	Kebon Rojo	6	14	6	5	25/02/2019 18:54
95	AA233	112.739.242	-7.239.344	150	Kebon Rojo	39	29	45	15	25/02/2019 18:58
96	AA234	112.739.724	-7.239.115	100	Kebon Rojo	0.4	1	1.4	1.2	25/02/2019 19:04
97	AA238	112.740.787	-7.239.242	200	Kebon Rojo	3	11	9	5	25/02/2019 18:34
98	AA228	112.740.648	-7.240.339	100	Kebon Rojo	6	33	34	3	25/02/2019 19:08
99	AA446	112.735.811	-7.243.473	160	Kebon Rojo	6	15	27	12	25/02/2019 19:16
100	AA447	112.733.894	-7.242.331	100	Kebon Rojo	67	52	60	NULL	25/02/2019 19:21

LAMPIRAN 9

No	Nama Aset	Longitude	Latitude	Kapasitas Trafo	Nama Penyulang	IR	IS	IT	IN	waktu
101	AA448	112.732.836	-723.978	160	Kebon Rojo	83	62	79	27	25/02/2019 19:26
102	AA450	112.731.183	-7.238.098	160	Kebon Rojo	49	50	48	20	25/02/2019 19:36
103	AA164	112.731.115	-7.234.338	250	Rajawali	67	45	47	20	21/01/2019 19:12
104	AA165	112.732.009	-72.345	200	Rajawali	35	35	43	14	21/01/2019 19:19
105	AA762	112.731.436	-7.233.614	200	Rajawali	14	10	11	9	21/01/2019 20:21
106	AA169	11.273.387	-7.234.501	200	Rajawali	2	17	4	13	21/01/2019 20:25
107	AA170	112.734.539	-7.234.734	75	Rajawali	3	7	31	24	21/01/2019 20:28
108	AA010	112.734.108	-7.232.311	160	Rajawali	18	28	63	42	21/01/2019 20:36
109	AA810	112.732.276	-7.234.198	100	Rajawali	40	1	10	30	12/02/2019 19:29
110	AA173	112.733.935	-7.235.069	100	Rajawali	16	19	8	10	12/02/2019 19:37
111	AA009	112.734.653	-7.232.545	160	Rajawali	139	72	60	49	12/02/2019 19:57
112	AA166	112.731.244	-7.233.337	75	Rajawali	18	43	19	21	12/02/2019 21:24
113	AA172	112.733.629	-7.235.222	200	Rajawali	17	6	8	6	13/02/2019 18:48
114	AA175	112.734.439	-7.235.752	200	Rajawali	109	60	57	54	13/02/2019 18:57
115	AA177	112.734.236	-7.236.474	160	Rajawali	47	74	24	48	13/02/2019 19:07
116	AA179	112.733.395	-7.236.689	75	Rajawali	3	24	90	78	13/02/2019 19:15
117	AA180	112.732.885	-7.236.584	100	Rajawali	16	13	9	10	13/02/2019 19:23
118	AA194	112.733.167	-7.237.237	100	Rajawali	73	33	26	NULL	13/02/2019 19:39
119	AA193	112.732.109	-7.237.993	75	Rajawali	37	67	13	NULL	13/02/2019 19:50
120	AA192	112.733.173	-7.237.812	100	Rajawali	71	76	70	NULL	13/02/2019 19:55
121	AA191	112.732.502	-7.238.549	160	Rajawali	110	75	95	36	13/02/2019 20:02
122	AA190	112.733.507	-7.238.815	150	Rajawali	108	64	46	42	14/02/2019 18:31
123	AA186	112.734.102	-723.829	75	Rajawali	40	23	20	21	14/02/2019 18:39
124	AA185	112.734.097	-7.238.048	160	Rajawali	65	50	80	35	14/02/2019 18:45
125	AA183	112.736.989	-7.23.834	200	Rajawali	94	117	39	59	14/02/2019 19:05
126	AA184	112.737.109	-7.238.391	160	Rajawali	24	35	31	20	14/02/2019 19:25
127	AA182	112.735.651	-7.237.965	160	Rajawali	45	30	44	17	14/02/2019 19:09
128	AA181	112.734.752	-7.237.637	150	Rajawali	44	46	32	14	14/02/2019 18:54
129	AA187	11.273.386	-7.240.657	150	Rajawali	105	176	56	92	18/02/2019 18:45
130	AA189	112.735.314	-7.241.139	160	Rajawali	114	136	139	43	18/02/2019 18:49
131	AA742	112.735.114	-7.238.358	200	Rajawali	35	30	42	24	14/02/2019 18:59
132	AA199	112.735.049	-7.238.605	200	Rajawali	21	17	13	11	14/02/2019 19:04
133	AA203	11.273.721	-723.981	160	Rajawali	40	32	38	14	15/02/2019 19:03
134	AA206	112.736.598	-7.240.679	150	Rajawali	31	55	64	NULL	15/02/2019 19:27
135	AA207	112.736.963	-7.240.685	200	Rajawali	27	34	20	18	15/02/2019 19:30
136	AA208	112.736.264	-7.241.636	200	Rajawali	112	69	124	62	18/02/2019 18:39
137	AA803	112.736.253	-7.240.687	100	Rajawali	5	1	16	13	15/02/2019 19:21
138	AA063	112.737.446	-7.225.374	200	Telkom	85	44	84	68	06/03/2019 20:20
139	AA065	112.739.411	-7.225.023	160	Telkom	127	141	128	41	06/03/2019 20:14
140	AA145	112.743.268	-7.232.826	160	Telkom	80	131	151	79	04/03/2019 19:54
141	AA146	112.743.877	-7.231.997	160	Telkom	99	140	108	61	04/03/2019 19:57
142	AA152	11.274.327	-7.228.804	150	Telkom	168	140	96	NULL	08/03/2019 18:45
143	AA153	112.742.808	-7.229.062	160	Telkom	142	172	169	72	06/03/2019 20:05
144	AA154	112.745.492	-722.817	100	Telkom	90	84	115	44	04/03/2019 20:12
145	AA156	112.743.946	-7.227.616	150	Telkom	135	73	79	62	06/03/2019 19:59
146	AA157	112.745.756	-7.227.215	150	Telkom	124	79	89	45	04/03/2019 20:17
147	AA159	11.274.543	-7.225.909	75	Telkom	57	55	28	27	04/03/2019 20:21
148	AA161	112.743.014	-7.225.664	150	Telkom	104	54	72	40	04/03/2019 20:26
149	AA184	11.274.282	-7.229.291	160	Telkom	86	106	82	53	06/03/2019 20:07
150	AA747	112.745.394	-722.981	200	Telkom	128	137	156	56	04/03/2019 20:07

LAMPIRAN 10

No	Nama Aset	Longitude	Latitude	Kapasitas Trafo	Nama Penyulang	IR	IS	IT	IN	waktu
151	AA322	112.747.057	-7.262.906	250	Ketabang kali	95	60	94	18	28/03/2019 19:22
152	AA323	112.746.607	-7.262.376	75	Ketabang kali	32	36	43	9	28/03/2019 19:29
153	AA324	112.744.266	-7.260.207	100	Ketabang kali	34	14	16	21	07/05/2019 19:13
154	AA325	112.744.896	-7.259.239	150	Ketabang kali	30	7	17	19	27/03/2019 20:44
155	AA326	112.744.323	-7.25.899	160	Ketabang kali	18	69	71	14	27/03/2019 20:38
156	AA327	112.744.176	-7.258.996	160	Ketabang kali	14	9	53	42	27/03/2019 20:33
157	AA328	112.744.255	-7.258.428	100	Ketabang kali	29	22	16	12	27/03/2019 20:29
158	AA329	112.744.423	-7.253.588	160	Ketabang kali	44	23	93	63	27/03/2019 20:17
159	AA334	112.747.602	-7.247.388	100	Ketabang kali	13	7	6	8	28/03/2019 19:03
160	AA335	112.748.558	-7.247.752	150	Ketabang kali	40	70	50	1	07/05/2019 18:35
161	AA336	112.748.951	-7.247.791	160	Ketabang kali	100	81	71	35	07/05/2019 18:40
162	AA337	112.748.805	-7.248.143	100	Ketabang kali	5	3	1	5	07/05/2019 18:44
163	AA338	112.747.564	-7.246.212	160	Ketabang kali	55	101	133	64	28/03/2019 18:37
164	AA340	112.749.285	-7.246.619	100	Ketabang kali	82	88	75	NULL	28/03/2019 18:55
165	AA523	112.742.854	-7.260.817	50	Ketabang kali	19	33	10	24	29/03/2019 19:56
166	AA594	112.748.587	-7.247.329	75	Ketabang kali	41	15	41	NULL	28/03/2019 18:44
167	AA704	112.743.914	-7.260.247	100	Ketabang kali	17	30	7	23	29/03/2019 19:59
168	AA713	112.746.611	-7.248.752	100	Ketabang kali	34	42	7	16	28/03/2019 19:12
169	AA753	112.745.228	-7.251.209	250	Ketabang kali	26	28	26	11	27/03/2019 20:12
170	AA855	112.743.731	-7.254.911	160	Ketabang kali	60	95	100	40	27/03/2019 20:22
171	AA261	112.751.717	-7.265.203	200	Kusuma Bangsa	81	67	76	14	28/02/2019 20:17
172	AA262	112.751.534	-7.263.692	160	Kusuma Bangsa	58	57	66	19	28/02/2019 20:10
173	AA265	11.275.039	-7.259.769	150	Kusuma Bangsa	46	30	38	20	28/02/2019 20:32
174	AA267	112.751.669	-7.25.868	200	Kusuma Bangsa	150	135	162	40	28/02/2019 20:44
175	AA269	112.750.622	-7.25.721	200	Kusuma Bangsa	139	120	110	35	01/03/2019 19:03
176	AA270	112.750.297	-7.25.565	160	Kusuma Bangsa	122	72	69	49	01/03/2019 19:12
177	AA271	112.750.284	-7.255.585	160	Kusuma Bangsa	57	42	35	27	01/03/2019 19:16
178	AA273	112.749.689	-7.255.082	150	Kusuma Bangsa	110	102	110	NULL	01/03/2019 19:20
179	AA274	112.749.783	-7.253.527	100	Kusuma Bangsa	45	36	40	NULL	01/03/2019 19:24
180	AA276	112.749.636	-7.251.152	100	Kusuma Bangsa	103	62	82	NULL	01/03/2019 19:35
181	AA277	112.750.174	-7.251.072	160	Kusuma Bangsa	49	30	39	22	11/03/2019 19:48
182	AA281	11.274.999	-7.25.013	100	Kusuma Bangsa	93	127	113	51	11/03/2019 19:44
183	AA282	112.750.804	-7.249.025	160	Kusuma Bangsa	44	54	53	34	11/03/2019 18:57
184	AA283	112.751.762	-7.248.553	50	Kusuma Bangsa	74	80	89	34	11/03/2019 19:23
185	AA285	112.751.838	-7.248.223	75	Kusuma Bangsa	76	77	50	34	01/03/2019 20:11
186	AA287	112.751.847	-7.249.447	150	Kusuma Bangsa	204	123	109	98	11/03/2019 19:02
187	AA289	112.752.263	-7.24.901	150	Kusuma Bangsa	20	12	13	8	11/03/2019 19:07
188	AA291	112.749.074	-7.248.776	150	Kusuma Bangsa	7	24	7	14	11/03/2019 18:52
189	AA292	112.748.751	-7.248.757	100	Kusuma Bangsa	18	58	41	26	11/03/2019 18:48
190	AA297	112.751.977	-7.245.796	75	Kusuma Bangsa	31	35	41	NULL	11/03/2019 19:31
191	AA693	112.750.172	-7.258.122	160	Kusuma Bangsa	3	5	12	6	01/03/2019 18:57
192	AA707	112.751.777	-7.264.569	160	Kusuma Bangsa	44	127	112	68	28/02/2019 20:24
193	AA760	112.750.937	-7.258.765	100	Kusuma Bangsa	64	50	95	44	28/02/2019 20:37
194	AA854	112.748.496	-7.248.709	160	Kusuma Bangsa	5	32	23	15	11/03/2019 18:46
195	AA263	112.751.125	-7.260.528	160	Taman Surya	103	151	135	42	12/03/2019 18:57
196	AA301	112.749.679	-7.260.529	160	Taman Surya	242	219	194	60	19/02/2019 18:56
197	AA302	112.749.979	-7.259.265	250	Taman Surya	70	90	101	38	19/02/2019 18:52
198	AA303	11.274.959	-7.258.154	250	Taman Surya	114	122	118	34	12/03/2019 19:07
199	AA305	11.274.822	-7.258.131	250	Taman Surya	119	99	116	49	19/02/2019 19:09
200	AA307	11.274.789	-7.261.094	160	Taman Surya	98	62	66	36	20/02/2019 20:21

LAMPIRAN 11

No	Nama Aset	Longitude	Latitude	Kapasitas Trafo	Nama Penyulang	IR	IS	IT	IN	waktu
201	AA308	112.748.854	-7.259.716	160	Taman Surya	63	97	39	48	20/02/2019 20:25
202	AA312	112.747.505	-7.255.904	150	Taman Surya	43	78	48	1	20/02/2019 20:35
203	AA313	112.749.751	-7.255.952	160	Taman Surya	47	37	43	10	20/02/2019 20:39
204	AA317	112.752.544	-7.255.572	200	Taman Surya	141	138	140	50	20/02/2019 20:49
205	AA699	112.747.945	-7.261.109	160	Taman Surya	40	22	25	22	12/03/2019 18:45
206	AA777	112.750.244	-7.254.746	50	Taman Surya	7	7	2	9	14/03/2019 20:15
207	AA856	112.752.105	-7.255.998	160	Taman Surya	49	41	53	22	14/03/2019 20:34
208	AA354	112.741.059	-7.255.998	200	Yos Sudarso	21	15	17	12	26/03/2019 19:21
209	AA355	11.274.109	-7.255.995	250	Yos Sudarso	47	31	62	29	26/03/2019 19:26
210	AA356	112.741.867	-7.260.291	200	Yos Sudarso	4	3	4	2	26/03/2019 19:30
211	AA358	112.741.586	-7.261.201	100	Yos Sudarso	26	40	26	13	26/03/2019 19:35
212	AA359	112.741.388	-7.261.185	200	Yos Sudarso	10	13	7	7	26/03/2019 19:38
213	AA362	11.273.918	-7.260.996	150	Yos Sudarso	77	42	35	45	25/03/2019 18:33
214	AA366	112.737.142	-7.260.006	150	Yos Sudarso	125	107	110	40	25/03/2019 18:37
215	AA371	112.732.175	-7.255.714	160	Yos Sudarso	114	133	171	67	25/03/2019 18:59
216	AA372	112.732.735	-7.257.893	150	Yos Sudarso	112	102	121	36	25/03/2019 19:06
217	AA375	112.734.132	-7.258.758	150	Yos Sudarso	23	35	41	23	25/03/2019 18:53
218	AA376	112.734.721	-7.259.033	150	Yos Sudarso	131	124	107	44	25/03/2019 18:48
219	AA379	112.736.876	-7.258.143	150	Yos Sudarso	64	81	117	38	25/03/2019 18:24
220	AA686	112.741.123	-7.262.554	250	Yos Sudarso	25	25	46	28	26/03/2019 19:07
221	AA709	112.732.459	-7.257.572	100	Yos Sudarso	109	61	121	50	25/03/2019 19:02
222	AA746	112.737.192	-7.259.859	100	Yos Sudarso	123	73	98	41	25/03/2019 18:41
223	AA412	112.737.006	-7.247.233	150	Jagalan	59	72	68	12	19/03/2019 20:04
224	AA413	112.737.681	-7.247.291	150	Jagalan	69	104	118	28	19/03/2019 20:00
225	AA540	112.744.841	-7.251.628	160	Jagalan	81	120	74	34	08/03/2019 19:06
226	AA541	112.745.204	-7.250.993	200	Jagalan	104	83	37	45	08/03/2019 19:11
227	AA542	112.745.874	-7.249.678	150	Jagalan	97	83	105	20	08/03/2019 19:15
228	AA543	112.746.105	-7.249.211	100	Jagalan	15	12	30	18	08/03/2019 19:18
229	AA544	112.746.621	-7.248.624	160	Jagalan	59	57	37	21	08/03/2019 19:22
230	AA546	112.745.417	-7.248.101	150	Jagalan	41	80	60	36	08/03/2019 19:28
231	AA548	112.744.494	-7.248.103	160	Jagalan	107	105	83	37	19/03/2019 19:34
232	AA549	112.744.315	-7.248.098	150	Jagalan	49	28	54	17	19/03/2019 19:37
233	AA550	112.743.548	-7.248.067	150	Jagalan	23	33	77	51	19/03/2019 19:40
234	AA551	112.741.888	-7.247.927	150	Jagalan	67	63	52	20	19/03/2019 19:43
235	AA553	112.741.335	-7.247.682	100	Jagalan	50	49	58	11	19/03/2019 19:45
236	AA554	112.741.206	-7.247.601	160	Jagalan	110	135	132	37	19/03/2019 19:48
237	AA556	112.740.807	-7.247.212	150	Jagalan	107	51	24	NULL	19/03/2019 18:38
238	AA557	112.740.325	-7.246.921	200	Jagalan	38	33	39	13	19/03/2019 20:10
239	AA562	112.740.535	-7.247.586	250	Jagalan	16	25	23	16	19/03/2019 19:51
240	AA563	112.739.823	-7.247.608	150	Jagalan	35	60	47	20	19/03/2019 19:54
241	AA737	112.737.236	-7.247.252	100	Jagalan	1	13	22	19	19/03/2019 20:03
242	AA565	112.744.082	-7.255.711	160	Kamboja	26	23	29	5	20/03/2019 19:34
243	AA566	112.744.222	-7.255.726	160	Kamboja	10	15	10	6	20/03/2019 19:39
244	AA568	11.274.469	-7.255.748	160	Kamboja	39	49	35	20	20/03/2019 19:42
245	AA570	112.745.153	-7.256.479	200	Kamboja	4	1	13	10	21/03/2019 18:55
246	AA571	112.745.167	-7.255.648	250	Kamboja	30	29	28	7	21/03/2019 19:01
247	AA573	112.745.305	-7.255.022	75	Kamboja	49	42	46	4	20/03/2019 19:46
248	AA574	112.745.534	-7.253.786	160	Kamboja	128	79	100	53	20/03/2019 19:53
249	AA575	112.745.962	-7.254.618	100	Kamboja	38	68	96	14	20/03/2019 19:50
250	AA576	112.749.177	-7.254.236	150	Kamboja	120	85	118	38	20/03/2019 19:59

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No	Nama Aset	Longitude	Latitude	Kapasitas Trafo	Nama Penyulang	IR	IS	IT	IN	waktu
251	AA579	112.748.477	-7.253.491	200	Kamboja	90	57	110	41	20/03/2019 19:04
252	AA584	112.746.679	-7.252.379	100	Kamboja	94	82	91	24	20/03/2019 20:09
253	AA587	112.747.903	-7.251.652	160	Kamboja	168	102	69	4	21/03/2019 19:34
254	AA589	112.746.721	-7.251.117	150	Kamboja	102	119	129	24	21/03/2019 19:38
255	AA592	112.748.563	-7.249.422	160	Kamboja	58	72	24	12	21/03/2019 19:47
256	AA706	112.748.679	-7.252.449	100	Kamboja	65	52	59	24	20/03/2019 20:17
257	AA710	112.747.038	-7.253.205	100	Kamboja	58	95	75	25	20/03/2019 20:05
258	AA712	112.745.082	-7.255.935	100	Kamboja	109	94	84	43	20/03/2019 20:15
259	AA721	112.747.996	-7.251.396	200	Kamboja	89	34	32	57	20/03/2019 20:22
260	AA756	112.749.507	-7.253.453	100	Kamboja	55	76	52	36	20/03/2019 19:05
261	AA761	112.746.821	-7.255.673	160	Kamboja	6	11	19	10	21/03/2019 19:28
262	AA253	112.742.878	-7.241.272	250	Pengampon	20	27	21	9	22/03/2019 20:24
263	AA256	11.274.291	-7.238.541	150	Pengampon	104	148	132	38	22/03/2019 20:32
264	AA257	112.742.797	-7.238.362	160	Pengampon	17	20	52	25	22/03/2019 20:34
265	AA593	112.747.187	-724.748	250	Pengampon	115	114	125	63	22/03/2019 20:00
266	AA596	112.747.282	-7.245.249	200	Pengampon	134	112	176	55	22/03/2019 20:03
267	AA597	112.747.586	-7.244.194	150	Pengampon	67	14	28	45	22/03/2019 20:07
268	AA607	112.745.384	-7.240.679	150	Pengampon	52	80	57	26	22/03/2019 20:18
269	AA608	112.744.769	-7.239.389	160	Pengampon	2	1	14	12	22/03/2019 20:38
270	AA609	112.744.732	-7.239.231	75	Pengampon	59	52	13	8	22/03/2019 20:40
271	AA779	112.745.641	-7.241.303	160	Pengampon	18	6	2	5	22/03/2019 20:15
272	AA401	112.733.991	-7.250.216	200	Ahmad djais	43	61	43	23	10/04/2019 19:29
273	AA418	112.738.189	-7.254.267	75	Ahmad djais	60	41	50	NULL	11/04/2019 19:26
274	AA420	112.737.278	-7.253.285	200	Ahmad djais	104	78	80	34	11/04/2019 19:36
275	AA422	112.737.568	-7.253.204	200	Ahmad djais	193	173	155	46	11/04/2019 19:20
276	AA424	112.737.696	-7.251.767	150	Ahmad djais	113	122	112	NULL	10/04/2019 18:52
277	AA425	112.737.943	-7.251.518	160	Ahmad djais	16	21	29	7	11/04/2019 19:12
278	AA426	112.740.963	-7.251.714	150	Ahmad djais	65	36	120	79	11/04/2019 19:02
279	AA427	11.273.896	-725.091	250	Ahmad djais	53	91	36	50	11/04/2019 18:51
280	AA432	112.738.365	-7.250.178	150	Ahmad djais	32	34	44	11	10/04/2019 18:58
281	AA436	112.736.066	-7.249.246	160	Ahmad djais	38	26	45	25	10/04/2019 19:13
282	AA398	112.734.243	-724.939	160	Ahmad djais	20	28	44	23	10/04/2019 19:24
283	AA441	112.736.272	-7.248.625	160	Ahmad djais	111	123	145	34	10/04/2019 19:46
284	AA443	11.273.692	-7.246.446	200	Ahmad djais	19	57	112	63	10/04/2019 19:52
285	AA715	112.740.779	-7.252.017	100	Ahmad djais	14	19	16	5	11/04/2019 19:06
286	AA759	112.734.101	-7.247.955	100	Ahmad djais	32	49	32	19	10/04/2019 19:37
287	AA800	11.273.878	-7.251.031	100	Ahmad djais	117	55	75	68	11/04/2019 18:55
288	AA816	112.740.553	-724.998	100	Ahmad djais	38	59	49	28	11/04/2019 18:45
289	AA853	112.735.995	-7.249.051	160	Ahmad djais	2	2	4	2	10/04/2019 19:18

RIWAYAT HIDUP



Penulis bernama Muhammad Natsir, lahir di Surabaya pada tanggal 20 April 1995. Penulis merupakan anak terakhir dari lima bersaudara dari pasangan suami istri Bpk. Nurul Aini dan Ibu Titik Mindayani.

Saat ini penulis bertempat tinggal di Jl. Tenggumung Baru Mulya Gang 2, Kel. Pegirian, Kec. Semampir, Kota Surabaya. Adapun riwayat pendidikan yang pernah ditempuh penulis adalah sebagai berikut:

1. SD Al-Irsyad Surabaya lulus tahun 2007
2. SMPN 11 Surabaya lulus tahun 2010
3. SMKN 2 Surabaya lulus tahun 2013

Setelah lulus SMA penulis melanjutkan ke jenjang Strata-1 (S1) di Universitas 17 Agustus 1945 Surabaya, Fakultas Teknik, Program Studi Teknik Elektro. Sampai dengan penulisan skripsi ini peneliti masih terdaftar sebagai mahasiswa program S1 Teknik Elektro Universitas 17 Agustus 1945 Surabaya.

Selama menempuh pendidikan S1, penulis bekerja sebagai Inspektur pada perusahaan PT. HALEYORA POWERINDO REGION 3 JATIM sejak tahun 2015 hingga saat ini.