

Lampiran

Tanggal : 23 April 2019

Pengukuran Tanpa Beban

no.	Jam	Panel Surya			SCC			Baterai Aki		
		Tegangan (V)	Arus (Ampere)	Daya (Watt)	Tegangan (V)	Arus (Ampere)	Daya (Watt)	Tegangan (V)	Arus (Ampere)	Daya (Watt)
1	08:00	12.73	2.42	30.8	12.57	2.28	28.6	12.42	1.23	15.2
2	09:00	12.81	2.94	37.6	12.63	2.77	34.9	12.47	1.25	15.5
3	10:00	12.95	3.32	42.9	12.76	3.21	40.9	12.56	1.28	16.00
4	11:00:00	13.07	3.54	46.2	12.87	3.39	43.6	12.70	1.27	16.1
5	12:00:00	12.96	2.3	29.8	12.76	1.65	21.0	12.58	1.24	15.5
6	13:00:00	13.01	1.68	21.8	12.67	1.25	15.8	12.82	1.16	14.8
7	14:00:00	12.92	1.17	15.1	12.76	0.7	8.9	12.6	1.27	16.0
8	15:00:00	12.86	0.69	8.8	12.37	0.56	6.9	12.57	1.26	15.8
9	16:00:00	12.69	0	0	12.55	0	0	12.43	1.25	15.5
Minimum		12.69	0	0	12.37	0	0	12.42	1.16	14.8
Maksimum		13.07	3.54	46.2	12.87	3.39	43.6	12.82	1.28	16.1
Average		12.89	2.01	25.89	12.66	1.76	22.29	12.57	1.25	15.60

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Pengukuran Tanpa Beban

		Panel Surya			SCC			Baterai Aki		
no.	Jam	Tegangan (V)	Arus (Ampere)	Daya (Watt)	Tegangan (V)	Arus (Ampere)	Daya (Watt)	Tegangan (V)	Arus (Ampere)	Daya (Watt)
1	08:00:00	12.75	2.10	26.7	12.58	1.73	21.8	12.36	1.24	15.3
2	09:00:00	12.89	2.82	36.2	12.73	2.72	34.6	12.44	1.27	15.7
3	10:00:00	12.88	2.35	30.2	12.7	1.99	25.3	12.48	1.27	15.8
4	11:00:00	12.72	1.18	15.0	12.56	1.12	14.1	12.43	1.24	15.4
5	12:00:00	12.93	2.36	30.5	12.79	2.26	28.9	12.60	1.25	15.7
6	13:00:00	13.02	2.36	30.7	12.9	2.22	28.6	12.65	1.26	15.9
7	14:00:00	12.78	0.96	12.2	12.63	0.85	10.7	12.47	1.28	15.9
8	15:00:00	12.8	0.6	7.6	12.65	0.56	7.1	12.49	1.23	15.3
9	16:00:00	12.66	0.56	7.0	12.51	0	0	12.38	1.25	15.4
Minimum		12.66	0.56	7.0	12.51	0	0	12.36	1.23	15.3
Maksimum		13.02	2.82	36.2	12.9	2.72	34.63	12.65	1.28	15.9
Average		12.83	1.70	21.8	12.67	1.49	19.01	12.48	1.25	15.60

Tanggal : 25 April 2019

Pengukuran Tanpa Beban

no.	Jam	Panel Surya			SCC			Baterai Aki		
		Tegangan (V)	Arus (Ampere)	Daya (Watt)	Tegangan (V)	Arus (Ampere)	Daya (Watt)	Tegangan (V)	Arus (Ampere)	Daya (Watt)
1	08:00:00	12.52	1.18	14.7	12.32	0.88	10.8	12.18	1.24	15.1
2	09:00:00	12.43	0.59	7.3	12.29	0.55	6.7	12.17	1.24	15.0
3	10:00:00	12.81	2.81	36.0	12.65	2.49	31.4	12.47	1.24	15.4
4	11:00:00	13.01	3.49	45.4	12.81	3.29	42.1	12.63	1.27	16.0
5	12:00:00	13.11	2.97	38.9	12.92	2.85	36.8	12.75	1.25	15.9
6	13:00:00	13.23	2.95	39.0	13.05	2.73	35.6	12.79	1.3	16.6
7	14:00:00	13.17	2.33	30.6	12.99	2.03	26.3	12.78	1.25	16.0
8	15:00:00	12.88	0.59	7.5	12.69	0.42	5.3	12.55	1.24	15.5
9	16:00:00	12.88	0.59	7.5	12.70	0.44	5.6	12.55	1.27	15.9
Minimum		12.43	0.59	7.3	12.29	0.42	5.3	12.17	1.24	15.0
Maksimum		13.23	3.49	45.4	13.05	3.29	42.10	12.79	1.3	16.6
Average		12.89	1.94	25.2	12.71	1.74	22.29	12.54	1.26	15.71

Tanggal : 27 April 2019

Pengukuran Beban

no.	Jam	Panel Surya			SCC			Baterai Aki		
		Tegangan (V)	Arus (Ampere)	Daya (Watt)	Tegangan (V)	Arus (Ampere)	Daya (Watt)	Tegangan (V)	Arus (Ampere)	Daya (Watt)
1	08:00:00	12.59	2.33	29.3	12.23	2.02	24.7	11.94	3.32	39.6
2	09:00:00	12.79	2.95	37.7	12.56	2.76	34.6	12.14	3.46	42.0
3	10:00:00	12.89	2.96	37.7	12.67	2.83	35.8	12.25	3.29	40.3
4	11:00:00	13.05	3.23	42.1	12.83	3.05	39.1	12.39	3.21	39.7
5	12:00:00	13.16	2.96	38.9	12.96	2.48	32.1	12.49	3.29	41.00
6	13:00:00	13.17	2.88	37.9	12.97	2.56	33.2	12.54	3.32	41.60
7	14:00:00	13.17	2.32	30.5	12.94	1.95	25.2	12.5	3.38	42.20
8	15:00:00	12.78	0.57	7.2	12.62	0	0.0	12.31	3.13	38.50
9	16:00:00	12.71	0.29	3.6	12.54	0	0.0	12.27	3.33	40.80
Minimum		12.59	0.29	3.6	12.23	0	0	11.94	3.13	38.5
Maksimum		13.17	3.23	42.1	12.97	3.05	39.13	12.54	3.46	42.2
Average		12.92	2.28	29.4	12.70	1.96	24.98	12.31	3.30	40.63

Tanggal : 30 April 2019

Pengukuran Beban

		Panel Surya			SCC			Baterai Aki		
no.	Jam	Tegangan (V)	Arus (Ampere)	Daya (Watt)	Tegangan (V)	Arus (Ampere)	Daya (Watt)	Tegangan (V)	Arus (Ampere)	Daya (Watt)
1	08:00:00	12.83	2.41	30.0	12.64	2.28	28.8	12.09	3.29	39.7
2	09:00:00	12.91	2.95	38.1	12.71	2.77	35.2	12.2	3.34	40.7
3	10:00:00	12.98	3.55	46.0	12.79	3.4	43.4	12.35	3.26	40.2
4	11:00:00	13.11	3.55	46.5	12.93	3.4	43.9	12.46	3.28	40.8
5	12:00:00	13.16	3.30	43.4	12.97	3.1	40.2	12.52	3.3	41.3
6	13:00:00	13.07	2.03	26.5	12.91	1.73	22.3	12.45	3.26	40.5
7	14:00:00	12.81	0.59	7.5	12.66	0.53	6.70	12.28	3.31	40.6
8	15:00:00	12.8	0.71	9.0	12.65	0.57	7.20	12.27	3.3	40.4
9	16:00:00	12.75	0.58	7.3	12.60	0.1	1.20	12.29	3.37	41.4
Minimum		12.75	0.58	7.3	12.6	0.1	1.2	12.09	3.26	39.7
Maksimum		13.16	3.55	46.5	12.97	3.4	43.90	12.52	3.37	41.4
Average		12.94	2.19	28.3	12.76	1.99	25.43	12.32	3.30	40.62

Tanggal : 30 April 2019

Pengukuran Beban

		Panel Surya			SCC			Baterai Aki		
no.	Jam	Tegangan (V)	Arus (Ampere)	Daya (Watt)	Tegangan (V)	Arus (Ampere)	Daya (Watt)	Tegangan (V)	Arus (Ampere)	Daya (Watt)
1	08:00:00	12.44	1.77	22.0	12.29	1.66	20.4	11.92	3.37	40.1
2	09:00:00	12.85	2.93	37.6	12.67	2.67	33.8	12.16	3.39	41.2
3	10:00:00	13.07	3.55	46.3	12.88	3.39	43.6	12.32	3.26	40.1
4	11:00:00	12.69	1.18	14.9	12.55	1.08	13.5	12.23	3.37	41.2
5	12:00:00	13.23	3.14	41.5	13.05	2.99	36.2	12.53	3.31	41.4
6	13:00:00	13.04	2.96	38.5	12.87	2.82	36.2	12.39	3.21	39.7
7	14:00:00	12.98	2.36	30.6	12.8	2.17	27.7	12.54	3.34	41.2
8	15:00:00	12.65	0.54	6.8	12.51	0	0.0	12.24	3.39	41.4
9	16:00:00	12.61	0	0.0	12.48	0	0.0	12.23	3.31	40.4
Minimum		12.44	0	0.0	12.29	0	0	11.92	3.21	39.7
Maksimum		13.23	3.55	46.3	13.05	3.39	43.60	12.54	3.39	41.4
Average		12.84	2.05	26.5	12.68	1.86	23.49	12.28	3.33	40.74

Rekapitulasi 6 Hari	Panel Surya			SCC		
Jam	Tegangan (V)	Arus (A)	Daya (Watt)	Tegangan (V)	Arus (A)	Daya (Watt)
8:00	12.64	2.04	25.58	12.44	1.81	22.51
9:00	12.78	2.53	32.41	12.60	2.37	29.97
10:00	12.93	3.09	39.85	12.74	2.89	36.73
11:00	12.94	2.70	35.02	12.76	2.56	32.72
12:00	13.09	2.84	37.17	12.91	2.56	32.54
13:00	13.09	2.48	32.40	12.90	2.22	28.62
14:00	12.97	1.62	21.08	12.80	1.37	17.59
15:00	12.80	0.62	7.82	12.58	0.35	4.41
16:00	12.72	0.34	4.23	12.56	0.09	1.13
Minimum	12.64	0.34	4.23	12.44	0.09	1.13
Maksimum	13.09	3.09	39.85	12.91	2.89	36.73
rerata	12.88	2.03	26.17	12.70	1.80	22.91

Waktu	Total Harmonic Distortion (THD)(%)	
	THD V-Fasa	THD V-Netral
10:30:00	59.87	36.47
10:31:00	59.90	36.46
10:32:00	59.92	36.42
10:33:00	59.94	36.43
10:34:00	59.93	36.42
10:35:00	59.93	36.40
10:36:00	59.96	36.41
10:37:00	59.96	36.38
10:38:00	59.99	36.37
10:39:00	59.98	36.36
10:40:00	59.98	36.36
10:41:00	60.02	36.37
10:42:00	60.02	36.35
10:43:00	60.02	36.35
10:44:00	60.04	36.35
10:45:00	60.02	36.35
10:46:00	60.06	36.79
10:47:00	60.06	37.11
10:48:00	60.05	37.15
10:49:00	60.07	37.18
10:50:00	60.07	37.19
10:51:00	60.08	37.22
10:52:00	60.09	37.24
10:53:00	60.08	37.26
10:54:00	60.09	37.27
10:55:00	60.11	37.30
10:56:00	60.12	37.32
10:57:00	60.11	37.32
10:58:00	60.12	37.32
10:59:00	60.14	37.35
11:00:00	60.14	37.39
MINIMUM	59.87	36.35
MAXIMUM	60.14	37.39
AVERAGE	60.03	36.80

Waktu	Total Harmonic Distortion (THD)(%)	
	THD I-Fasa (A)	THD I-Netral (A)
10:30:00	0.14	0.15
10:31:00	0.14	0.15
10:32:00	0.14	0.15
10:33:00	0.14	0.15
10:34:00	0.14	0.15
10:35:00	0.14	0.15
10:36:00	0.14	0.15
10:37:00	0.14	0.15
10:38:00	0.14	0.15
10:39:00	0.14	0.15
10:40:00	0.14	0.15
10:41:00	0.14	0.15
10:42:00	0.14	0.15
10:43:00	0.14	0.15
10:44:00	0.14	0.15
10:45:00	0.14	0.15
10:46:00	0.12	0.13
10:47:00	0.11	0.12
10:48:00	0.11	0.12
10:49:00	0.11	0.12
10:50:00	0.11	0.12
10:51:00	0.11	0.12
10:52:00	0.11	0.12
10:53:00	0.11	0.12
10:54:00	0.11	0.12
10:55:00	0.11	0.12
10:56:00	0.11	0.12
10:57:00	0.11	0.12
10:58:00	0.11	0.12
10:59:00	0.12	0.12
11:00:00	0.12	0.12
MINIMUM	0.11	0.12
MAXIMUM	0.14	0.15
AVERAGE	0.13	0.13