

LAMPIRAN





DATA PENGAMATAN TEGANGAN, ARUS, DAN DAYA PANEL SURYA 400 WP												
HARI/TANGGAL : 19 April 2019						TANPA REFLEKTOR						
NO	WAKTU (WIB)	PANEL SURYA			BATERAI			BEBAN			RADIASI (kW-h/d/m ²)	KETERANGAN
		DC			DC			AC				
		TEGANGAN (V)	ARUS (I)	DAYA (W)	TEGANGAN (V)	ARUS (I)	DAYA (W)	TEGANGAN (V)	ARUS (A)	DAYA (W)		
1	8:00	12.53	4.84	72.3	11.87	5.69	69.3	227	0.26	45.6	5.6	
2	8:30	12.69	4.72	72.9	11.41	6.7	73.2	227	0.26	47.2		
3	9:00	13.47	4.23	75.7	11.34	6.73	76.2	227	0.26	47.5		
4	9:30	13.31	4.85	76.3	11.42	6.5	74.6	227	0.26	49.6		
5	10:00	15.69	5.03	75.2	11.26	6.47	72.5	227	0.26	55.7		
6	10:30	15.03	5.64	78.2	11.68	6.34	73.9	227	0.26	59.2		
7	11:00	16.47	5.31	75.31	11.51	6.36	73.5	227	0.27	60.8		
8	11:30	17.71	6.31	80.31	11.44	6.55	74.8	227	0.27	61.4		
9	12:00	17.88	6.46	79.2	11.69	6.87	77.6	227	0.27	61.2		
10	12:30	18.04	7.16	84.1	11.35	6.6	74.7	227	0.27	60.5		
11	13:00	18.08	7.78	87	11.26	6.67	74.4	228	0.26	59.7		
12	13:30	18.1	7.95	94.7	11.25	6.71	75.6	227	0.26	59.9		
13	14:00	17.5	6.41	88.2	11.41	6.52	74.3	227	0.26	60		
14	14:30	17.32	6.07	80.2	11.42	6.45	74.2	228	0.26	59.4		
15	15:00	16.97	5.98	79.5	11.04	6.87	75.2	227	0.26	59.5		
16	15:30	16.39	5.34	74.3	11.14	6.6	72.6	227	0.26	59.9		
17	16:00	13.6	6.94	94.3	11.27	6.44	72.5	227	0.26	61.2		
Rata-Rata		16.14	5.94	80.45	11.40	6.53	74.06	227.12	0.26	56.96		
Max		18.1	7.95	94.7	11.87	6.87	77.6	228	0.27	61.4		
Min		12.53	4.23	72.3	11.04	5.69	69.3	227	0.26	45.6		

DATA PENGAMATAN TEGANGAN, ARUS, DAN DAYA PANEL SURYA 400 WP												
HARI/TANGGAL : 20 April 2019						TANPA REFLEKTOR						
NO	WAKTU (WIB)	PANEL SURYA			BATERAI			BEBAN			RADIASI (kW-h/d/m ²)	KETERANGAN
		DC			DC			AC				
		TEGANGAN (V)	ARUS (I)	DAYA (W)	TEGANGAN (V)	ARUS (I)	DAYA (W)	TEGANGAN (V)	ARUS (I)	DAYA (W)		
1	8:00	12.5	6.7	72.9	11.4	5.7	69.8	228	0.26	45.2	4.85	
2	8:30	12.69	7.03	82.3	11.23	5.96	71.6	228	0.26	49		
3	9:00	13.68	10.07	138.2	11.42	6.22	72.3	227	0.26	49.2		
4	9:30	14.2	11.46	176.4	11.47	6.47	72.4	227	0.26	49		
5	10:00	15.52	11.53	175.8	11.15	6.56	70.3	228	0.26	50.2		
6	10:30	15.7	11.68	179.8	11.26	6.76	73.3	227	0.26	48.9		
7	11:00	13.48	9.35	175.6	11.04	6.9	74.2	227	0.27	48.9		
8	11:30	13.3	8.14	154.3	11.19	6.89	74.4	227	0.27	58.9		
9	12:00	16.38	7.94	147.6	11.18	6.88	75	227	0.27	59		
10	12:30	16.79	10.71	147.8	11.36	6.97	75.7	227	0.26	58.5		
11	13:00	17.39	10.49	138.6	11.25	7.02	73.7	227	0.26	60		
12	13:30	17.21	9.14	110.2	11.5	6.59	79.7	227	0.26	61.2		
13	14:00	18.2	8.79	94.3	11.47	6.59	80.1	227	0.26	62.4		
14	14:30	17.88	8.32	134.4	11.26	6.6	79.9	228	0.26	59.4		
15	15:00	16.7	7.69	96.3	11.15	6.72	76.2	228	0.26	55.3		
16	15:30	16.21	7.03	87.2	11.12	6.52	75.3	227	0.26	56.4		
17	16:00	15.05	6.88	88.3	11.14	6.3	75.1	227	0.26	55.3		
Rata-Rata		15.65	9.00	129.41	11.27	6.57	74.65	227.29	0.26	54.52		
Max		18.2	11.68	179.8	11.5	7.02	80.1	228	0.27	62.4		
Min		12.5	6.7	72.9	11.04	5.7	69.8	227	0.26	45.2		

DATA PENGAMATAN TEGANGAN, ARUS, DAN DAYA PANEL SURYA 400 WP												
HARI/TANGGAL : 21 April 2019						PEMASANGAN REFLEKTOR CERMIN KEMIRINGAN 70°						
NO	WAKTU (WIB)	PANEL SURYA			BATERAI			BEBAN			RADIASI (kW-h/d/m ²)	KETERANGAN
		DC			DC			AC				
		TEGANGAN (V)	ARUS (I)	DAYA (W)	TEGANGAN (V)	ARUS (I)	DAYA (W)	TEGANGAN (V)	ARUS (I)	DAYA (W)		
1	8:00	16.45	6.8	111.9	11.4	4.5	51.3	227	0.26	49.2	5.84	
2	8:30	17.97	6.64	119.3	11.6	4.74	55.0	227	0.26	50.5		
3	9:00	17.25	6.8	117.3	11.7	4.72	55.2	228	0.26	52.6		
4	9:30	18.4	6.34	116.7	11.7	4.68	54.8	227	0.26	52.8		
5	10:00	18.65	6.67	124.4	11.8	4.75	56.1	227	0.26	55.7		
6	10:30	18.28	7.35	134.4	11.6	4.8	55.7	227	0.26	56.3		
7	11:00	17.74	8.08	143.3	11.8	4.75	56.1	227	0.26	56.7		
8	11:30	18.63	7.68	143.1	11.8	4.87	57.5	227	0.26	58.9		
9	12:00	18.24	7.78	141.9	11.6	4.9	56.8	227	0.27	61.3		
10	12:30	17.53	8.5	149.0	11.5	4.71	54.2	228	0.27	61.6		
11	13:00	18.58	8.79	163.3	11.5	4.7	54.1	228	0.26	61.2		
12	13:30	18.64	7.64	142.4	11.4	4.72	53.8	227	0.26	60.7		
13	14:00	18.51	6.74	124.8	11.5	4.67	53.7	227	0.26	59.9		
14	14:30	17.88	6.85	122.5	11.3	4.71	53.2	227	0.26	59.7		
15	15:00	16.73	6.56	109.7	11.4	4.67	53.2	227	0.26	59.3		
16	15:30	16.53	7.38	122.0	11.4	4.61	52.6	227	0.26	58.7		
17	16:00	16.54	7.11	117.6	11.4	4.52	51.5	227	0.26	58.4		
Rata-Rata		17.88	7.28	129.62	11.55	4.71	54.39	227.18	0.26	57.26		
Max		18.65	8.79	163.3	11.8	4.9	57.5	228	0.27	61.56		
Min		16.45	6.34	109.7	11.3	4.5	51.3	227	0.26	49.2		

DATA PENGAMATAN TEGANGAN, ARUS, DAN DAYA PANEL SURYA 400 WP												
HARI/TANGGAL : 22 April 2019						PEMASANGAN REFLEKTOR CERMIN KEMIRINGAN 70°						
NO	WAKTU (WIB)	PANEL SURYA			BATERAI			BEBAN			RADIASI (kW-h/d/m ²)	KETERANGAN
		DC			DC			AC				
		TEGANGAN (V)	ARUS (I)	DAYA (W)	TEGANGAN (V)	ARUS (I)	DAYA (W)	TEGANGAN (V)	ARUS (I)	DAYA (W)		
1	8:00	16.27	5.13	83.5	11.75	5.56	65.3	227	0.26	49.8	5.57	
2	8:30	16.48	5.2	85.7	11.59	5.83	67.6	227	0.26	49.7		
3	9:00	17.27	6.11	105.5	11.41	5.66	64.6	227	0.26	53.2		
4	9:30	17.45	6.58	114.8	11.88	5.37	63.8	228	0.26	52.4		
5	10:00	18.13	6.12	111.0	11.61	6.89	80.0	228	0.27	61.6		
6	10:30	17.4	7.52	130.8	11.46	6.51	74.6	227	0.27	61.3		
7	11:00	17.68	7.66	135.4	11.68	7.21	84.2	227	0.26	59.8		
8	11:30	18.07	7.39	133.5	11.8	6.72	79.3	227	0.26	58.7		
9	12:00	18.43	7.15	131.8	11.63	6.14	71.4	227	0.26	58.4		
10	12:30	18.46	6.1	112.6	11.54	7.72	89.1	227	0.26	60.4		
11	13:00	18.88	5.32	100.4	11.51	7.14	82.2	228	0.26	60.2		
12	13:30	17.59	6.87	120.8	11.47	6.8	78.0	228	0.26	61.5		
13	14:00	17.27	7.12	123.0	11.35	6.59	74.8	227	0.27	59.6		
14	14:30	17.1	7.25	124.0	11.26	6.3	70.9	227	0.27	58.3		
15	15:00	16.17	7.05	114.0	11.42	5.97	68.2	227	0.26	59.7		
16	15:30	15.98	5.66	90.4	11.41	5.7	65.0	227	0.26	58.8		
17	16:00	15.32	5.41	82.9	11.27	5.3	59.7	227	0.26	58.3		
Rata-Rata		17.36	6.45	111.78	11.53	6.32	72.87	227.24	0.26	57.74		
Max		18.88	7.66	135.4	11.88	7.72	89.1	228	0.27	61.56		
Min		15.32	5.13	82.9	11.26	5.3	59.7	227	0.26	49.7		

DATA PENGAMATAN TEGANGAN, ARUS, DAN DAYA PANEL SURYA 400 WP												
HARI/TANGGAL : 26 April 2019							PEMASANGAN REFLEKTOR ALUMUNIUM KEMIRINGAN 70°					
NO	WAKTU (WIB)	PANEL SURYA			BATERAI			BEBAN			RADIASI (kW-h/d/m ²)	KETERANGAN
		DC			DC			AC				
		TEGANGAN (V)	ARUS (I)	DAYA (W)	TEGANGAN (V)	ARUS (I)	DAYA (W)	TEGANGAN (V)	ARUS (A)	DAYA (W)		
1	8:00	12.98	4.49	58.3	11.18	5.46	61.0	227	0.26	48.2	5.56	
2	8:30	13.22	4.51	59.6	11.58	5.58	64.6	227	0.26	49.6		
3	9:00	15.17	5.14	78.0	11.27	6.57	74.0	227	0.26	50.8		
4	9:30	13.86	8.77	121.6	11.46	6.58	75.4	228	0.26	50.9		
5	10:00	16.88	7.59	128.1	11.17	6.56	73.3	227	0.26	51.8		
6	10:30	18.14	5.7	103.4	11.1	7.25	80.5	227	0.26	52.7		
7	11:00	15.33	7.02	107.6	11.03	6.92	76.3	227	0.26	54.2		
8	11:30	18.08	5.87	106.1	11.3	6.9	78.0	227	0.26	57.8		
9	12:00	17.97	3.84	69.0	11.93	6.73	80.3	227	0.26	58.6		
10	12:30	18.33	5.39	98.8	11.91	6.85	81.6	226	0.27	60.2		
11	13:00	18.29	3.79	69.3	11.97	6.46	77.3	227	0.27	60.3		
12	13:30	18.71	5.99	112.1	11.51	6.82	78.5	226	0.27	61.3		
13	14:00	18.42	5.21	96.0	11.31	6.78	76.7	226	0.26	61.4		
14	14:30	17.76	6.17	109.6	11.26	6.82	76.8	227	0.26	59.4		
15	15:00	17.06	6.65	113.4	11.18	6.74	75.4	226	0.26	58.3		
16	15:30	16.3	5.19	84.6	11.15	5.82	64.9	226	0.26	58.5		
17	16:00	17.57	4.02	70.6	11.12	5.56	61.8	226	0.26	58.8		
Rata-Rata		16.94	5.61	93.30	11.38	6.49	73.91	226.71	0.26	56.04		
Max		18.71	8.77	128.1	11.97	7.25	81.58	228	0.27	61.4		
Min		12.98	3.79	58.3	11.03	5.46	61.04	226	0.26	48.2		

DATA PENGAMATAN TEGANGAN, ARUS, DAN DAYA PANEL SURYA 400 WP												
HARI/TANGGAL : 27 April 2019						PEMASANGAN REFLEKTOR ALUMUNIUM FOIL KEMIRINGAN 70°						
NO	WAKTU (WIB)	PANEL SURYA			BATERAI			BEBAN			RADIASI (kW-h/d/m ²)	KETERANGAN
		DC			DC			AC				
		TEGANGAN (V)	ARUS (I)	DAYA (W)	TEGANGAN (V)	ARUS (I)	DAYA (W)	TEGANGAN (V)	ARUS (A)	DAYA (W)		
1	8:00	13.04	4.21	54.9	11.15	4.51	50.3	227	0.26	48.6	6.1	
2	8:30	13.54	4.82	65.3	11.27	5.26	59.3	227	0.26	49.3		
3	9:00	14.21	5.51	78.3	11.17	5.42	60.5	227	0.26	49.2		
4	9:30	15.88	6.2	98.5	11.46	5.31	60.9	227	0.26	50.3		
5	10:00	17.06	6.59	112.4	11.2	6.2	69.4	227	0.27	50.7		
6	10:30	18.25	6.87	125.4	11.13	6.31	70.2	228	0.27	53.5		
7	11:00	18.07	6.24	112.8	11.36	6.42	72.9	228	0.26	55.3		
8	11:30	18.72	6.7	125.4	11.3	6.23	70.4	227	0.26	58.7		
9	12:00	17.06	7.84	133.8	11.55	6.55	75.7	227	0.26	58.7		
10	12:30	17.55	7.39	129.7	11.82	7.02	83.0	227	0.26	58.9		
11	13:00	18.64	6.74	125.6	11.9	6.51	77.5	227	0.26	61.4		
12	13:30	18.02	6.88	124.0	11.61	6.6	76.6	228	0.26	61.4		
13	14:00	17.32	7.02	121.6	11.52	6.32	72.8	228	0.26	59.3		
14	14:30	16.42	7.51	123.3	11.16	6.43	71.8	227	0.26	59.6		
15	15:00	16.03	6.72	107.7	11.13	6.24	69.5	227	0.26	58.9		
16	15:30	15.57	5.36	83.5	11.1	5.62	62.4	227	0.26	58.7		
17	16:00	15.3	5.42	82.9	11.18	5.32	59.5	227	0.26	58.8		
Rata-Rata		16.73	6.35	106.2	11.35	6.02	68.39	227.24	0.26	55.96		
Max		18.72	7.84	133.8	11.9	7.02	83.0	228	0.27	61.4		
Min		13.04	4.21	54.9	11.1	4.51	50.3	227	0.26	48.6		