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## LAMPIRAN

Lampiran 1. Data iklim Kabupaten Gowa 2023

Waktu	Curah hujan (mm)	Suhu minimum (°C)	Suhu maksimum (°C)	Radiasi Matahari (SRAD MJ/m2)
01/01/23	0	23.8	29.8	7.21
02/01/23	0	23.0	29.3	16.49
03/01/23	0.068	23.1	29.8	22.66
04/01/23	0.034	22.8	29.3	22.6
05/01/23	0	23.1	29.1	23.4
23/01/23	0	23.2	28.3	20.24
07/01/23	0	23.2	28.4	17.71
08/01/23	0	23.4	28.8	17.66
09/01/23	0.272	23.5	28.9	19.06
10/01/23	0.425	22.9	29.1	18.57
11/01/23	0.34	23.0	29.3	15.76
12/01/23	0.119	23.1	29.4	16.47
13/01/23	0	23.3	29.2	16.83
14/01/23	0	24.0	29.0	21.8
15/01/23	0	23.0	29.7	23.18
16/01/23	0	23.2	29.1	23.24
17/01/23	0	23.1	29.9	20.76
18/01/23	0	23.1	29.7	20.14
19/01/23	0	23.4	29.7	22.79
20/01/23	0	23.5	29.0	24.05
21/01/23	0	23.3	29.6	21.85
23/01/23	0	22.8	29.3	22.56
23/01/23	0	23.0	28.9	23.7
24/01/23	0	23.0	29.1	17.41
25/01/23	0	23.3	29.0	15.81
26/01/23	0	23.5	29.6	22.71
27/01/23	0	23.5	29.4	18.94
28/01/23	0	23.6	29.8	23.97
29/01/23	0	24.1	29.7	21.94
30/01/23	0	24.0	29.4	17.96
31/01/23	0	23.9	29.8	21.46
01/02/23	0	22.8	30.3	24.16
02/02/23	0	22.9	30.2	21.01
03/02/23	0	23.1	29.8	17.36
04/02/23	0	23.6	29.3	21.34
05/02/23	0	23.7	29.7	20.85
23/02/23	0	23.2	29.6	20.8
07/02/23	0	22.8	30.1	15.81
08/02/23	0	23.0	30.3	20.56
09/02/23	0	22.5	30.1	21.8
10/02/23	0	23.3	30.5	22.12
11/02/23	0	23.2	30.5	24.71
12/02/23	0	23.2	31.1	25.12
13/02/23	0	23.5	30.5	23.3
14/02/23	0	23.0	30.4	22.74
15/02/23	0	23.0	29.4	16.43
16/02/23	0	23.3	30.0	22.57
	0	23.1	30.5	20.08
	0	23.1	30.2	22.11
	0	23.4	29.8	19.64
	0	23.4	28.0	13.53
	0	23.4	29.7	21.95
	0	22.4	28.8	12.84
	0	23.4	30.8	24.26
	0	23.2	30.5	25.35
	0	23.2	30.4	24



26/02/23	0	23.5	29.8	20.01
27/02/23	0	23.3	30.2	25.07
28/02/23	0	23.6	30.5	22.19
01/03/23	0	24.0	29.7	19.92
02/03/23	0	23.5	29.2	7.28
03/03/23	0	23.8	29.2	22.76
04/03/23	0	23.6	29.9	21.72
05/03/23	0	24.0	30.8	19.33
06/03/23	0	24.0	29.1	22.6
07/03/23	0	23.9	28.8	17.86
08/03/23	0	23.3	28.4	14.02
09/03/23	0	23.4	29.6	23.24
10/03/23	0	24.0	30.0	21.88
11/03/23	0	24.1	28.7	20.03
12/03/23	0	23.8	28.6	20.71
13/03/23	0	23.6	28.7	17.6
14/03/23	0	23.3	28.0	17.94
15/03/23	0	23.4	28.7	19.19
16/03/23	0	23.5	28.8	18.13
17/03/23	0	23.9	30.2	22.22
18/03/23	0	24.0	29.6	14.65
19/03/23	0	23.0	28.6	15.94
20/03/23	0	23.2	27.2	15.92
21/03/23	0	23.4	28.5	17.78
23/03/23	0	23.4	28.7	21.62
23/03/23	0	24.2	28.8	19.21
24/03/23	0	24.4	29.3	21.36
25/03/23	0	24.1	29.3	23.15
26/03/23	0	24.1	29.5	21.72
27/03/23	0	24.6	29.7	21.59
28/03/23	0	24.0	28.6	18.34
29/03/23	0	24.1	28.3	12.95
30/03/23	0	23.5	28.5	13.04
31/03/23	0	24.3	28.9	19.54
01/04/23	0	24.6	29.4	21.1
02/04/23	0	24.5	29.3	19.71
03/04/23	0.034	24.6	29.8	19.86
04/04/23	0.017	23.4	28.9	19.15
05/04/23	0.034	27.5	30.0	23.06
06/04/23	0.119	27.5	30.2	18.97
07/04/23	0.102	27.4	30.0	17.21
08/04/23	0.051	27.3	30.0	21.44
09/04/23	0.068	26.9	27.9	11.45
10/04/23	0.051	26.4	28.0	15.72
11/04/23	0.034	26.5	28.9	15.11
12/04/23	0.017	27.0	29.0	20.54
13/04/23	0.017	26.9	29.6	21.36
14/04/23	0	27.6	29.7	18.73
15/04/23	0.017	26.7	28.4	19.88
16/04/23	0	27.1	28.4	21.25
17/04/23	0	26.8	27.9	18.3
18/04/23	0.017	26.7	27.7	19.7
	0	26.5	28.8	21.12
	0	26.2	27.4	9.18
	0.068	25.9	27.4	16.13
	0.102	26.2	27.4	13.6
	0.017	26.6	29.6	20.8
	0	27.0	28.9	20.66
	0.544	26.7	29.2	14.88
	0.408	26.9	27.9	7.23
	0.051	26.3	28.6	19.38
	0.238	26.9	28.0	20.92



29/04/23	1.224	26.4	27.4	11.51
30/04/23	0.272	26.8	28.7	20.97
01/05/23	1.429	26.5	27.9	19.55
02/05/23	3.026	26.5	27.6	13.91
03/05/23	4.437	21.5	31.6	14.86
04/05/23	3.315	23.4	32.5	20.35
05/05/23	0.51	23.4	35.1	20.21
06/05/23	0	23.4	36.4	15.79
07/05/23	1.207	23.0	36.4	22.25
08/05/23	0	23.5	36.3	22.95
09/05/23	0	22.6	36.3	25.76
10/05/23	4.063	22.6	36.5	23.75
11/05/23	1.513	23.4	34.7	23.59
12/05/23	0	23.4	35.0	22.3
13/05/23	9.79	23.5	35.4	20.94
14/05/23	0.204	24.6	32.8	17.73
15/05/23	0.017	24.3	33.7	16.84
16/05/23	0.017	23.4	33.7	15.28
17/05/23	0.102	23.4	34.2	13.94
18/05/23	0.119	25.1	29.8	8.18
19/05/23	0.102	23.4	27.9	8.88
20/05/23	0	22.9	30.1	12.18
21/05/23	0	22.9	33.9	19.3
23/05/23	0	22.4	33.9	19.46
23/05/23	0	21.9	33.9	25.45
24/05/23	0	22.5	32.9	19.67
25/05/23	9.792	23.8	27.6	3.4
26/05/23	12.019	23.2	29.3	3.56
27/05/23	0.238	22.2	31.0	11.36
28/05/23	0.034	23.1	28.6	12.62
29/05/23	0.122	22.1	24.6	8.53
30/05/23	0	22.8	26.7	6.84
31/05/23	0	22.9	25.8	5.79
01/06/23	0.051	23.1	24.9	7.18
02/06/23	0	22.8	32.1	21.31
03/06/23	0	24.6	32.6	33.33
04/06/23	0.136	23.1	27.2	6.43
05/06/23	0.034	23.4	27.3	9.7
06/06/23	0.085	23.3	26.3	4.52
07/06/23	0	23	30	20.71
08/06/23	0	23.7	32.9	29.5
09/06/23	0	24.2	33	38.85
10/23/23	0.272	23.7	29.5	7.26
11/06/23	0.425	23.1	29.5	19.93
12/06/23	0.34	22.2	33.6	42.42
13/06/23	0.119	23.7	32.4	37.69
14/06/23	0	22.5	33.9	42.67
15/06/23	0	22.9	31.8	33.33
16/06/23	0	24	32.8	39.55
17/06/23	0	23.8	33.6	36.65
18/06/23	0	23.5	34.4	42.9
19/06/23	14.943	23.8	31	19.87
	22.601	22.8	29.7	22.23
	17.952	22.3	32.8	26.67
	1.547	23.4	31.9	32.11
	0.187	23.5	32.5	31.22
	41.412	23.5	33.8	23.8
	0.629	23	32	31.06
	0.238	23	31.8	40.68
	44.408	23.2	30	23.19
	29.653	23	31.3	30.03
	80.934	23.2	29.2	17.22



30/06/23	61.754	23.2	31.1	19.17
01/07/23	43.268	23	30.2	12.68
02/07/23	0.97	23.4	31.6	26.14
03/07/23	49.687	23.4	29.9	26.36
04/07/23	25.241	23.4	27.2	14.91
05/07/23	20.875	23.4	28.2	28.68
06/07/23	8.806	22.5	29.3	35.23
07/07/23	4.301	22.1	29.8	39.39
08/07/23	1.122	23.2	30.1	35.55
09/07/23	0.391	23	30	41.75
10/07/23	0.255	24.2	29	31
11/07/23	0.221	22.6	27.7	22.08
12/07/23	0.238	23.4	28.8	15.88
13/07/23	0.289	23.3	30.2	31.25
14/07/23	0.306	23	29.4	18.12
15/07/23	0.374	22.6	26.4	1.9
16/07/23	0.374	24	27.5	18.56
17/07/23	0.391	23.1	27	17.99
18/07/23	0.476	23.8	24.9	5.68
19/07/23	0.561	24	28.1	15.19
20/07/23	0.544	24.1	27.9	19.76
21/07/23	0.493	24.6	29.3	34.41
22/07/23	0.578	23.7	29.4	35.65
23/07/23	0.68	23.4	28	14.29
24/07/23	0.748	23.4	29.1	34.4
25/07/23	0.459	23.4	29.2	31.76
26/07/23	0.323	23.6	30	42.37
27/07/23	0.289	23.9	28.9	31
28/07/23	0.289	25.1	27.8	18.14
29/07/23	0.255	23	29.2	35.47
30/07/23	0.255	23.7	29.6	38.45
31/07/23	0.272	22.8	27.2	16.69
01/08/23	0.306	22.5	29.1	30.13
02/08/23	0.289	23.3	29.2	34.64
03/08/23	0.221	24.2	29.3	33.46
04/08/23	0.204	23.5	28.9	26.26
05/08/23	0.255	22.9	26.4	10.14
06/08/23	0.221	23	28.1	23.5
07/08/23	0.17	23.5	30.1	44.58
08/08/23	0.119	23.7	30.1	46
09/08/23	0.051	23.6	30.3	48.37
10/08/23	0.017	23.9	30.6	40.44
11/08/23	0.051	23.5	30.4	40.8
12/08/23	0.07	23.2	29.6	34.87
13/08/23	1.189	23.6	29.6	29.51
14/08/23	1.326	24.1	30.3	37.23
15/08/23	0.714	23	31.5	47.02
16/08/23	0	24.1	31.6	38.44
17/08/23	0	24.2	31.5	34.06
18/08/23	0	23.9	31.6	35.1
19/08/23	8.502	24.1	31.8	23.74
20/08/23	0	24.3	31	29.19
21/08/23	7.532	23.8	31.4	35.16
22/08/23	0	24	31.9	39.36
23/08/23	0	24.1	31.6	25.74
24/08/23	0	24.3	31.5	27.22
25/08/23	1.157	23.6	29.8	27.75
26/08/23	1.634	22.6	31.4	35.32
27/08/23	1.719	24.1	28.4	21.7
28/08/23	0	23.4	30.3	21.97
29/08/23	0	24.1	30.9	31.45
30/08/23	0.817	24	30.1	37.55



31/08/23	1.719	23.6	28.4	22.47
01/09/23	0	23.1	28.9	26.97
02/09/23	1.0380	22.8	30.3	42.04
03/09/23	0.255	24.5	28.9	21.04
04/09/23	0	23.5	29.6	27.27
05/09/23	0	23.9	30.5	33.91
06/09/23	1.43	23.3	29.5	18.58
07/09/23	7.346	23	29.6	34.43
08/09/23	8.774	22.8	29.4	32.59
09/09/23	1.208	23.5	28.5	19.73
10/09/23	0.187	23.7	29.6	32.2
11/09/23	0.068	24.6	30.3	39.86
12/09/23	0	24.8	30.8	19.29
13/09/23	0	25.4	30.8	30.77
14/09/23	0	25.4	31.8	34.53
15/09/23	0	25.1	30.7	25.53
16/09/23	0	25	31.5	19.78
17/09/23	0	24.5	31.3	31.58
18/09/23	0	25	31.6	39.1
19/09/23	0	25.2	31.6	32.01
20/09/23	0	25.4	31.5	37.82
21/09/23	0	24.7	31.4	37.02
22/09/23	0	25.4	31.5	28.52
23/09/23	0	25	31.8	37.55
24/09/23	0	24.8	30.9	30.92
25/09/23	0	25	30.8	34.7
26/09/23	0	25.5	29.2	23.43
27/09/23	0	25	31.2	34.31
28/09/23	0	25.3	29.5	22.05
29/09/23	0	24.5	31.2	40.04
30/09/23	0	25.4	31.4	39.26
01/10/23	0	26	31.6	19.23
02/10/23	0	25.1	28.9	17.76
03/10/23	0	26	31	11.79
04/10/23	0	26.5	30.6	28.83
05/10/23	0	25.5	31.8	42.47
06/10/23	0	25.4	32.7	28.79
07/10/23	0	26	29.7	19.31
08/10/23	0	24.9	29.3	33.56
09/10/23	0	26.4	31.2	35.22
10/10/23	0	25.5	30.5	36.73
11/10/23	0	25.9	32.3	39.7
12/10/23	0	24.5	31.6	32.93
13/10/23	0	25.1	30.4	34.3
14/10/23	0	25.4	30	37.4
15/10/23	0	24.8	29.8	37.29
16/10/23	0	24.5	30.4	26.26
17/10/23	0	23.6	31.3	37.29
18/10/23	0	25.1	31.1	40.71
19/10/23	0	23.9	31.6	33.56
20/10/23	0	24.4	31.3	36.3
21/10/23	0	24.4	31.3	40.86
	0	24	29.6	19.07
	0	24.3	31.4	28.59
	0	25.1	30.6	27.48
	0	25.4	30.6	33.51
	0	24.4	31.5	31.7
	0	24.2	32.3	32.54
	0	24.7	31.1	31.97
	0	23.7	31.9	37.6
	0	25	31.3	33.7
	0	25.5	30.8	35.54





01/11/23	0	24.5	31	34.49
02/11/23	0	24.7	31.2	32.5
03/11/23	0	24.8	30	36.92
04/11/23	0	24.8	31.5	30.2
05/11/23	0	24.4	31.7	35.94
06/11/23	0	23.1	29.9	39.65
07/11/23	0	22	30.3	35.5
08/11/23	0	24.1	29.9	27.57
09/11/23	1.43	24.5	30.5	21.65
10/11/23	0.017	24.4	29.8	26.29
11/11/23	0	23	30	36.03
12/11/23	0	24.1	31.3	35.94
13/11/23	0	25	30.2	38.25
14/11/23	0	24.6	31.1	37.35
15/11/23	0	21.9	31.5	37.59
16/11/23	0	22.3	30.8	36.65
17/11/23	0	24.9	29.2	25.83
18/11/23	1.924	24.4	30.9	30.88
19/11/23	0.017	23.2	30.1	34.68
20/11/23	0	23.6	31.1	34.67
21/11/23	0	22.5	30.8	39.12
22/11/23	0	23.4	30.9	25.93
23/11/23	0	23.6	31.5	37.79
24/11/23	0	23.6	30.4	32.88
25/11/23	0	24.4	31.1	26.67
26/11/23	7.906	23.3	31	30
27/11/23	0.017	23.8	29.7	25.32
28/11/23	0	24.5	31.1	38.83
29/11/23	0	25.6	30.3	36.61
30/11/23	0	25.6	30.6	47.5
01/12/23	0.681	25.6	31.1	27.27
02/12/23	4.319	24.2	28.5	33.88
03/12/23	0	24.8	29.1	24.07
04/12/23	0	25.6	31.8	41.36
05/12/23	0	24.1	30.9	35.75
06/12/23	0.204	25.4	31.5	34.46
07/12/23	0	24.4	31	32.79
08/12/23	0	22.4	31.4	42.73
09/12/23	0	22.4	30.7	39.89
10/12/23	0	22.2	31.8	38.26
11/12/23	0	24.6	30.7	22.63
12/12/23	0.681	24.2	30.5	18.92
13/12/23	0	21.3	30.5	30.58
14/12/23	0	21.9	30.4	37.76
15/12/23	7.294	22.3	30.4	25.25
16/12/23	0	20	31	41.43
17/12/23	0	23.2	31.4	33.75
18/12/23	0	23.8	31.6	38.63
19/12/23	0	22.4	32.6	37.64
20/12/23	0	23	31.8	34.23
21/12/23	0	22.4	32.3	35.11
22/12/23	0	21.5	31.4	35.75
	0	21.5	31.6	36.41
	0	20.7	31.8	39.57
	0	21.1	32.1	35.96
	0	21.3	32.6	38.2
	0	21.3	32.4	42.7
	0	20.8	32.4	32.6
	0	22.1	32.4	43.78
	0	20.8	32.1	40.45
	0	20.8	32.1	40.45



Lampiran 2. Data Iklim kabupaten Gowa Tahun 2020

Waktu	Curah hujan (mm)	Suhu minimum (°C)	Suhu maksimum (°C)	Radiasi Matahari (SRAD MJ/m2)
01/01/20	3.0	27.94	23.0	13.1
02/01/20	2.0	28.68	23.0	10.77
03/01/20	58.0	27.45	23.0	6.54
04/01/20	4.0	28.48	23.0	12.45
05/01/20	4.0	29.11	23.0	10.87
06/01/20	4.0	28.3	23.0	12.4
07/01/20	5.2	28.18	24.0	10.63
08/01/20	1.0	28.27	23.0	11.02
09/01/20	5.0	29.24	24.0	13.53
10/01/20	3.0	28.13	24.0	23.09
11/01/20	4.0	28.49	23.0	20.08
12/01/20	2.7	27.85	24.0	4.77
13/01/20	3.1	28.52	24.0	15.16
14/01/20	1.5	28.98	23.0	24.98
15/01/20	3.5	28.94	23.0	11.28
16/01/20	0.5	29.29	23.0	24.4
17/01/20	3.0	29.44	24.0	25.13
18/01/20	1.0	29.31	23.0	23.05
19/01/20	1.5	29.49	23.0	25.53
20/01/20	3.2	29.69	23.0	21.72
21/01/20	1.5	28.75	23.0	17.32
22/01/20	3.0	29.51	24.0	21.96
23/01/20	4.2	30.03	24.0	21.75
24/01/20	5.0	29.97	25.0	23.55
25/01/20	4.5	30.08	24.0	23.97
26/01/20	5.5	29.05	24.0	16.76
27/01/20	4.0	29.9	24.0	22.67
28/01/20	1.5	29.85	23.0	23.42
29/01/20	2.5	29.98	22.0	23.88
30/01/20	5.0	29.61	24.0	22.52
31/01/20	1.5	27.86	24.0	10.85
01/02/20	2.4	27.98	24.0	11.33
02/02/20	3.5	29.55	24.0	20.69
03/02/20	2.4	29.4	23.0	18.47
04/02/20	4.0	28.94	23.0	17.83
05/02/20	1.5	28.4	24.0	19.15
20/02/20	21.5	28.55	23.0	16.59
07/02/20	0.5	28.61	24.0	4.54
08/02/20	1.7	27.34	24.0	11.32
09/02/20	3.0	27.05	25.0	11.3
10/02/20	1.0	27.12	25.0	12.68
11/02/20	5.0	27.43	24.0	15.68
12/02/20	1.0	28.76	23.0	14.65
13/02/20	1.5	29.06	23.0	21.79
14/02/20	3.5	28.95	23.0	21.32
15/02/20	1.6	29.17	25.0	24.55
16/02/20	4.2	29.1	24.0	18.8
17/02/20	0.5	27.94	24.0	16.42
18/02/20	4.0	27.73	25.0	8.06
19/02/20	6.0	28.24	24.0	6.55
20/02/20	140.5	27.95	24.0	10.09



21/02/20	1.5	27.8	2322.0	15.93
22/02/20	24.5	27.6	22.0	10.4
23/02/20	3.0	28.65	22.0	7.5
24/02/20	3.6	29.26	23.0	22.5
25/02/20	5.0	28.61	23.0	21.69
26/02/20	2.0	28.73	23.0	16.82
27/02/20	4.0	28.14	24.0	16.29
28/02/20	4.3	28.22	24.0	18.71
01/03/20	6.0	29.21	24.0	20.53
02/03/20	2.5	29.54	24.0	19.09
03/03/20	5.0	28.53	24.0	19.64
04/03/20	5.0	28.65	24.0	19.29
05/03/20	3.2	28.04	25.0	10.42
06/03/20	2.6	28.19	23.0	10.08
07/03/20	25.0	27.27	23.0	10.43
08/03/20	5.0	27.78	23.0	16.97
09/03/20	5.0	28.12	24.0	14.1
10/03/20	5.0	28.99	25.0	21.08
11/03/20	5.0	29.06	25.0	20.8
12/03/20	6.0	29.95	24.0	24.09
13/03/20	0.5	29.3	23.0	21.19
14/03/20	3.1	29.26	23.0	24.84
15/03/20	3.0	27.23	23.0	9.28
16/03/20	2.4	29.56	24.0	24.73
17/03/20	4.5	29.92	24.0	22.36
18/03/20	5.0	29.38	25.0	20.57
19/03/20	3.8	29.33	23.0	23.98
20/03/20	1.0	29.79	23.0	21.38
21/03/20	5.0	30.37	24.0	21.38
22/03/20	3.0	28.47	24.0	20.22
23/03/20	4.0	28.98	24.0	20.15
24/03/20	6.0	28.21	24.0	21.27
25/03/20	6.0	29.08	24.0	22.16
26/03/20	5.3	29.28	24.0	24.72
27/03/20	0.5	30.76	24.0	21.43
28/03/20	1.0	29.86	23.0	20.83
29/03/20	2.0	29.48	24.0	20.66
30/03/20	4.0	29.77	23.0	19.18
31/03/20	2.6	28.84	23.0	19.6
01/04/20	1.4	28.43	23.0	20.84
02/04/20	6.0	27.94	24.0	14.19
03/04/20	3.1	30.1	24.0	22.83
04/04/20	3.6	29.6	24.0	22.99
05/04/20	3.6	29.44	24.0	18.95
06/04/20	2.7	29.8	24.0	22.97
07/04/20	3.5	29.4	23.0	21.01
08/04/20	4.3	28.06	24.0	18.14
	4.1	27.9	24.0	5.73
	2.5	28.36	23.0	21.15
	5.0	29.07	24.0	22.83
	6.0	29.37	24.0	18.43
	5.0	29.57	24.0	9.76
	6.0	29.43	25.0	19.92
	1.5	29.59	24.0	21.34
	2.5	29.61	24.0	20.74



17/04/20	1.0	28.9	23.0	17.44
18/04/20	4.0	30.47	24.0	22.07
19/04/20	5.0	30	24.0	18.52
20/04/20	2.9	29.29	24.0	18.38
21/04/20	5.1	30.4	25.0	23.23
22/04/20	4.0	30.58	25.0	21.86
23/04/20	5.0	29.17	26.0	15.13
24/04/20	4.5	30.14	23.0	23.71
25/04/20	5.0	29.33	25.0	13.93
26/04/20	3.2	28.37	25.0	16.14
27/04/20	4.5	29.65	25.0	21.05
28/04/20	4.0	30.08	25.0	21.91
29/04/20	4.0	29.57	26.0	21.8
30/04/20	5.0	29.96	25.0	21.48
01/05/20	2.7	30.19	24.0	22.45
02/05/20	4.6	30.2	25.0	21.15
03/05/20	5.6	30.45	24.0	22
04/05/20	3.6	30.47	25.0	18.68
05/05/20	3.5	29.93	23.0	16.34
06/05/20	4.5	30.64	24.0	19.04
07/05/20	4.0	30.07	26.0	16.91
08/05/20	2.3	29.67	25.0	7.19
09/05/20	3.1	30.58	26.0	20.89
10/05/20	3.6	30.23	25.0	21.19
11/05/20	4.0	30.22	25.0	22.06
12/05/20	2.5	30.56	25.0	22.73
13/05/20	4.1	30.44	25.0	22.79
14/05/20	3.6	30	25.0	17.32
15/05/20	5.0	30.15	25.0	14.96
16/05/20	2.1	29.9	24.0	17.62
17/05/20	4.5	29.49	24.0	18
18/05/20	2.5	29.61	24.0	17.98
19/05/20	4.0	29.51	25.0	15.96
20/05/20	3.2	28.01	26.0	12.86
21/05/20	1.9	29.05	25.0	16.13
22/05/20	1.0	28.59	25.0	14.12
23/05/20	4.0	27.7	25.0	9.38
24/05/20	3.0	29.49	26.0	21.01
25/05/20	1.3	28.62	23.0	17.28
26/05/20	4.0	28.3	23.0	13.37
27/05/20	1.0	29.71	22.0	19.53
28/05/20	5.0	29.01	22.0	14.49
29/05/20	4.0	29.5	24.0	20.68
30/05/20	4.0	28.8	25.0	12.56
31/05/20	4.0	29.87	24.0	20.84
01/06/20	4.0	29.72	23.0	15.49
02/06/20	4.0	29.37	23.0	19.22
	3.5	29.39	24.0	19.68
	0.9	29.55	23.0	21.61
	2.4	29.52	23.0	21.33
	2.5	29.32	25.0	18.4
	5.0	28.86	23.0	11.24
	3.0	28.58	24.0	19.05
	1.3	28.18	23.0	18.29
	4.0	29.16	23.0	20.31



Optimization Software:  
[www.balesio.com](http://www.balesio.com)

11/06/20	2.5	29.16	24.0	21.38
12/06/20	0.8	29.75	25.0	21.28
13/06/20	0.0	28.53	25.0	13.12
14/06/20	1.6	28.38	25.0	8.07
15/06/20	1.0	29.7	24.0	19.62
16/06/20	3.5	29.4	25.0	16.76
17/06/20	4.0	29.05	25.0	14.69
18/06/20	0.5	29.34	24.0	17.63
19/06/20	4.0	29.45	24.0	20.01
20/06/20	4.8	29.1	23.0	15.14
21/06/20	3.0	28.9	23.0	13.27
22/06/20	4.0	28.79	25.0	19.06
23/06/20	17.5	29.41	25.0	20.33
24/06/20	0.3	29.19	24.0	20.96
25/06/20	1.5	28.88	24.0	21.52
26/06/20	4.0	28.9	24.0	20.07
27/06/20	4.0	28.9	23.0	17.86
28/06/20	4.0	29.36	23.0	19.62
29/06/20	3.0	28.83	24.0	17.97
30/06/20	1.0	28.17	24.0	13.54
01/07/20	2.0	29	25.0	17.58
02/07/20	4.0	28.73	24.0	18.55
03/07/20	3.0	28.94	24.0	20.17
04/07/20	4.0	28.17	23.0	17.52
05/07/20	5.0	29.05	24.0	20.21
06/07/20	4.0	28.97	24.0	13.71
07/07/20	4.0	28.44	23.0	16.47
08/07/20	2.0	28.95	23.0	18.22
09/07/20	2.5	28.74	24.0	19.35
10/07/20	2.0	28.82	24.0	17.82
11/07/20	3.0	29.1	25.0	17.89
12/07/20	3.3	27.94	24.0	15.56
13/07/20	3.5	28.85	23.0	19.03
14/07/20	1.0	28.94	24.0	18.28
15/07/20	3.3	29.21	24.0	20.7
16/07/20	3.2	29	23.0	20.06
17/07/20	4.4	28.75	24.0	16.61
18/07/20	3.4	28.82	23.0	18.4
19/07/20	3.0	29.29	24.0	15.2
20/07/20	4.0	29.64	24.0	21.24
21/07/20	2.0	29.19	24.0	22.27
22/07/20	4.5	29.23	24.0	19.86
23/7/20	6.0	29.5	21.0	18.57
24/07/20	6.0	29.32	20.0	20.57
25/07/20	4.0	28.94	22.0	22.24
26/07/20	4.0	28.55	22.0	19.13
27/07/20	4.0	28.64	22.0	19.15
	4.0	28.81	21.0	20.38
	4.0	28.4	22.0	21.95
	4.8	28.23	23.0	21.36
	2.0	28.55	23.0	18.87
	4.0	28.63	25.0	18.27
	4.0	28.64	23.0	20.21
	4.0	29.12	23.0	21.55
	4.0	28.74	22.0	20.27



05/08/20	4.0	28.04	21.0	17.47
06/08/20	5.0	29.23	22.0	20.21
07/08/20	4.0	28.7	22.0	20.3
08/08/20	4.0	29.16	23.0	21.89
09/08/20	5.0	29.17	23.0	18.53
10/08/20	4.0	30.21	23.0	21.84
11/08/20	4.0	29.89	23.0	18.98
12/08/20	3.0	29.79	23.0	19.55
13/08/20	3.5	30.12	22.0	20.89
14/08/20	4.0	29.98	22.0	22.11
15/08/20	5.0	28.58	21.0	22.51
16/08/20	5.0	29.19	22.0	23.68
17/08/20	5.0	29.01	23.0	18.83
18/08/20	5.0	29.43	23.0	24
19/08/20	5.0	29.19	23.0	24.04
20/08/20	5.0	28.86	22.0	24.43
21/08/20	5.0	29.6	22.0	25.07
22/08/20	5.0	29.57	22.0	23.53
23/08/20	5.0	29.62	22.0	24.22
24/08/20	5.0	29.78	22.0	25.44
25/08/20	3.0	29.44	22.0	25.38
26/08/20	4.0	29.17	22.0	25.36
27/08/20	4.0	28.83	23.0	25.36
28/08/20	5.0	29.4	22.0	22.84
29/08/20	2.0	29.62	23.0	23.61
30/08/20	2.5	29.18	23.0	24.46
31/08/20	4.5	29.63	23.0	24.09
01/09/20	5.0	29.37	22.0	21.91
02/09/20	4.0	29.06	23.0	16.28
03/09/20	3.5	29.78	23.0	21.58
04/09/20	5.0	30.06	23.0	23.25
05/09/20	3.5	29.8	23.0	23.68
06/09/20	4.0	29.98	24.0	25.1
07/09/20	3.0	29.62	24.0	24.7
08/09/20	4.9	29.53	23.0	22.66
09/09/20	5.5	30.3	22.0	19.02
10/09/20	5.0	29.73	21.0	24.64
11/09/20	6.0	29.55	23.0	24.92
12/09/20	6.0	29.51	22.0	23.42
13/09/20	6.0	29.41	24.0	24.76
14/09/20	5.0	29.24	24.0	23.81
15/09/20	3.0	29.51	23.0	25.6
16/09/20	5.0	29.44	23.0	26.12
17/09/20	5.7	30.3	24.0	25.64
18/09/20	5.7	30.14	24.0	22.74
19/09/20	4.0	30.63	23.0	22.72
20/09/20	2.0	30.75	24.0	21.87
	5.0	29.83	23.0	20.42
	1.5	29.59	23.0	23.55
	4.5	29.73	23.0	23.71
	4.6	29.89	23.0	23.81
	5.0	30.74	23.0	22.83
	4.0	30.44	21.0	22.94
	5.0	30.69	23.0	23.66
	5.0	28.97	23.0	20.77



29/09/20	1.5	30.69	25.0	25.4
30/09/20	3.0	30.12	25.0	21.94
01/10/20	1.5	30.49	25.0	21.69
02/10/20	3.4	31.05	23.0	23.4
03/10/20	3.5	31.15	23.0	25.69
04/10/20	3.0	30.98	24.0	26.27
05/10/20	46.8	30.91	24.0	22.31
06/10/20	4.6	31.04	23.0	25.35
07/10/20	3.4	30.08	23.0	21.6
08/10/20	4.0	29.76	25.0	20.98
09/10/20	3.5	30.38	24.0	15.99
10/10/20	3.1	29.28	24.0	18.62
11/10/20	3.4	30.47	24.0	20.39
12/10/20	4.0	31.24	23.0	27.27
13/10/20	2.8	30.83	22.0	25.66
14/10/20	4.5	31.44	23.0	24.56
15/10/20	2.6	31.3	23.0	21.25
16/10/20	2.5	31.01	24.0	22.15
17/10/20	1.0	30.8	24.0	23.65
18/10/20	2.8	30.97	24.0	21.31
19/10/20	3.0	30.82	23.0	16.34
20/10/20	4.0	30.79	25.0	21.15
21/10/20	3.0	31.63	24.0	24.9
22/10/20	2.9	31.4	23.0	25.76
23/10/20	3.0	31.19	23.0	26.28
24/10/20	5.0	30.98	23.0	23.69
25/10/20	4.0	29.47	25.0	21.48
26/10/20	4.2	31.03	25.0	22.31
27/10/20	2.0	30.87	25.0	24.42
28/10/20	3.5	30.91	24.0	19
29/10/20	0.0	30.85	24.0	23.84
30/10/20	5.0	31.76	24.0	24.76
31/10/20	4.0	28.83	25.0	19.41
01/11/20	4.0	28.33	24.0	21.79
02/11/20	4.5	28.97	24.0	20.29
03/11/20	4.0	30.4	24.0	21.41
04/11/20	5.0	30.26	24.0	18.17
05/11/20	2.0	30.89	24.0	18.51
06/11/20	4.5	31.23	24.0	21.06
07/11/20	2.5	30.59	24.0	22.37
08/11/20	4.0	31.42	24.0	24.26
09/11/20	2.4	31.54	24.0	24
10/11/20	2.6	30.32	24.0	24.6
11/11/20	5.0	31.37	23.0	22.43
12/11/20	3.2	31.54	23.0	23.63
13/11/20	0.5	31.22	23.0	24.47
14/11/20	2.6	31.4	24.0	23.92
	3.1	31.43	24.0	20.8
	3.0	29.06	23.0	18.84
	5.0	31.12	23.0	26.37
	110.5	31.51	24.0	25.61
	3.0	31	24.0	23.45
	2.0	29.41	24.0	14.07
	4.0	29.52	24.0	19.11
	8.5	29.46	24.0	20.92



Optimization Software:  
[www.balesio.com](http://www.balesio.com)

23/11/20	2.0	29.38	23.0	13.22
24/11/20	3.0	28.35	21.0	20.64
25/11/20	3.5	28.26	22.0	18.9
26/11/20	2.5	28.72	24.0	20.74
27/11/20	2.0	28.33	22.0	17.35
28/11/20	3.5	28.51	23.0	18.76
29/11/20	4.5	27.44	24.0	20.21
30/11/20	1.5	27.76	24.0	22.75
01/12/20	0.6	27.73	23.0	8.43
02/12/20	1.5	28.41	23.0	8.62
03/12/20	1.5	28.01	23.0	14.13
04/12/20	4.0	27.64	23.0	17.12
05/12/20	3.3	27.81	23.0	12.78
06/12/20	3.4	28.21	23.0	13.42
07/12/20	5.4	27.53	23.0	11.38
08/12/20	3.9	28.32	23.0	20.84
09/12/20	4.0	27.83	23.0	17.6
10/12/20	4.0	28.49	23.0	19
11/12/20	5.0	29.73	23.0	21.77
12/12/20	2.0	29.34	23.0	21.28
13/12/20	3.0	28.26	23.0	17.42
14/12/20	1.4	27.42	23.0	14.53
15/12/20	1.7	27.67	23.0	16.45
16/12/20	1.4	27.46	23.0	17.48
17/12/20	1.4	27.36	23.0	15
18/12/20	1.4	27.94	23.0	10.33
19/12/20	2.6	27.44	22.0	8.63
20/12/20	2.4	28.26	21.0	4.33
21/12/20	6.0	28	22.0	10.48
22/12/20	2.7	28.06	23.0	18.13
23/12/20	84.0	27.35	23.0	12.69
24/12/20	20.5	27.98	23.0	14.29
25/12/20	1.4	28.2	23.0	16.48
26/12/20	1.0	28.02	23.0	20.08
27/12/20	38.0	27.4	23.0	18.28
28/12/20	1.4	27.84	22.0	21.71
29/12/20	0.8	27.69	22.0	15.08
30/12/20	1.4	27.74	22.0	10.76
31/12/20	73.6	26.66	22.0	17.98

Lampiran 3. Data Iklim kabupaten Gowa 2006

waktu	Curah Hujan (mm)	Suhu minimum (°C)	Suhu maksimum (°C)	Radiasi matahari (SRAD MJ/m <sup>2</sup> )
01/01/06	35	23	28	13.41
02/01/06	45	23.2	28	12.08
03/01/06	2	21.4	29	10.67
04/01/06	10	23.4	29.1	14.36
	18	23	28.4	20.38
	2	24.1	29.4	15.72
	21	24	29	15.85
	9.6	24.2	29.3	17.3
	0	24.3	29.3	17.13
	9	23.1	30.2	22.24
	0	22	31	21.9
	0	25	31	19.48
	0	24.3	30	19.07





14/01/06	10	24.2	31	17.02
15/01/06	57	23.1	30	14.32
16/01/06	63	23	29.2	8.88
17/01/06	35	23.3	29.1	14.71
18/01/06	50	22.4	29.2	11.28
19/01/06	40.8	23	29.2	17.23
20/01/06	5	23.2	30.1	19.59
21/01/06	12	24.2	30.3	18.95
22/01/06	0	25	30.4	20.82
23/01/06	3.5	24.3	31.3	13.2
24/01/06	15.5	24	31	18.84
25/01/06	35	22.3	31.1	8.15
26/01/06	45	21.2	29.2	8.03
27/01/06	53	23	29.3	16.43
28/01/06	11	23.4	30.2	10.27
29/01/06	6.5	22.4	28.2	19.9
30/01/06	5	23.2	31.1	22.06
31/01/06	0	24.4	31.2	18.04
01/02/06	4	23.3	31	12.08
02/02/06	21	23.4	30.2	17.61
03/02/06	0	23.2	30.2	15.94
04/02/06	7	24	31	17.65
05/02/06	21	23	31	13.12
06/02/06	22	23	29.2	20.6
07/02/06	9	24	30.2	14.24
08/02/06	23	22.4	28.2	20.34
09/02/06	2	22.4	30.1	22.24
10/02/06	0	21.2	30.4	24.27
11/02/06	0	22.4	31	25.71
12/02/06	0	22.3	31.2	24.61
13/02/06	0	22.2	31.2	26.25
14/02/06	0	23	31.2	24.96
15/02/06	0	22.3	31.4	23.68
16/02/06	0	24.4	32	20.63
17/02/06	6	23.3	32	15.07
18/02/06	2	30	29.2	17.11
19/02/06	54.5	23.3	30	13.53
20/02/06	31	23.4	29.2	13.08
21/02/06	26	23.3	28	15.31
22/02/06	22	24	30	10.36
23/02/06	35	20.4	29	6.39
24/02/06	30	22.3	28	13.34
25/02/06	7.5	22	29.2	15.3
26/02/06	0	23.4	31	22.79
27/02/06	195	23.2	32	6.68
28/02/06	47	23.1	25.2	11
01/03/06	0	22.2	27.3	5.34
02/03/06	59	22.2	26.1	14.45
03/03/06	24	22.3	29.2	12.08
04/03/06	7	22.4	28.4	8.22
05/03/06	58	22	26.3	16.25
06/03/06	28	22.1	28.4	15.1
	51.5	22.3	29.4	18.73
	0	24.1	30.4	22.45
	0	24.1	31.1	22.74
	2.8	22.3	31.2	17.11
	50	22.4	30.1	12.6
	0	22.1	29.1	15.84
	0	21.1	30.2	22.97
	0	22.1	32	22.09
	0	23.2	32	20.12
	0	22.3	31.2	24



17/03/06	0	22.3	32	20.41
18/03/06	0	23.1	32.2	20.25
19/03/06	0	23.4	32.3	21.51
20/03/06	15	24.3	32.2	11.21
21/03/06	15	23.2	30.3	17.85
22/03/06	0	22.1	31.3	19.71
23/03/06	0	23.3	32.3	6.68
24/03/06	0	24.1	32.3	19.4
25/03/06	0	24.1	32.2	21.21
26/03/06	0	25.3	32.4	21.36
27/03/06	0	24.4	33	19.29
28/03/06	0	23.2	32.3	13.25
29/03/06	85.5	22.3	29.2	6.3
30/03/06	16	22.2	25.3	13.39
31/03/06	7	23.1	29.4	11.05
01/04/06	35	21.4	30	9.96
02/04/06	46	22.2	27.2	15.38
03/04/06	0	23.2	30	16.89
04/04/06	0	21.3	30.3	18.4
05/04/06	24	23.3	32	18.01
06/04/06	5	24	31.2	16.61
07/04/06	1	21.4	29	22.08
08/04/06	0	23.4	32.2	21.17
09/04/06	0	23.2	31.4	19.16
10/04/06	0	24.2	32.1	17.83
11/04/06	2.5	23.3	31.3	17.92
12/04/06	21	23.2	32.1	19.4
13/04/06	1	23.4	32	17.5
14/04/06	0	23.4	32	19.82
15/04/06	13	23	32	19.8
16/04/06	0	23.1	30.2	21.39
17/04/06	5	23	30	19.01
18/04/06	12	23.4	31	19.88
19/04/06	0	23	31.1	21.51
20/04/06	0	24.3	31.3	16.93
21/04/06	0	24	31	16.24
22/04/06	86	23.3	31.2	12.45
23/04/06	10	23.2	29.4	15.16
24/04/06	10	22.3	31	15.19
25/04/06	0	22.4	30.2	16.45
26/04/06	0	23.4	31.3	19.41
27/04/06	0	24	31	20.17
28/04/06	0	24	31.3	16.26
29/04/06	0	24.2	31.2	19.83
30/04/06	0	25	31.4	14.52
01/05/06	0	24.3	32	18.5
02/05/06	0	24.2	32.1	19.84
03/05/06	0	24	32.1	19
04/05/06	0	24.3	32.1	18.49
05/05/06	0	24.1	32.1	15.08
06/05/06	0	24	32.1	15.52
07/05/06	0	24.3	32.2	6.23
	35	23.2	32.1	20.52
	0	23.2	31	7.28
	0	23.4	32.1	21.08
	0	23.4	33	19.1
	0	23.3	32.1	21.02
	0	23.2	34.1	22
	0	23.2	33	19.32
	0	22.3	33	20.5
	0	23	33	20.04
	0	24	33.2	16.45



18/05/06	0	24	33.2	9.42
19/05/06	4.5	24	29.4	18.72
20/05/06	0	23.2	32	18.58
21/05/06	2	23.1	32	14.41
22/05/06	0	24	31	11.82
23/05/06	7	23.2	30.7	10.19
24/05/06	7	22.4	28.2	14.89
25/05/06	0	23.1	30.3	19.91
26/05/06	5	23	32	19.65
27/05/06	3	24.2	32.1	16.16
28/05/06	0	23.4	32.1	20.24
29/05/06	0	25.2	32.4	19.55
30/05/06	0	23	31.1	20.45
31/05/06	0	23	33	19.1
01/06/06	0	23	33.1	16.31
02/06/06	0	24	31.2	13.51
03/06/06	0	23.1	31.2	17.5
04/06/06	0	22.2	31.4	10.27
05/06/06	0	23.4	29.1	9.54
06/06/06	0	23.3	30	15.5
07/06/06	0	23	31	19.72
08/06/06	0	23.3	32.1	18.61
09/06/06	0	23.4	30.3	16.33
10/06/06	0	22.3	31	14.89
11/06/06	0	22	31.2	9.77
12/06/06	4	23.3	30	11.88
13/06/06	5	23	29.1	16.57
14/06/06	0	22.4	30.4	15.16
15/06/06	0	22.1	31	19.45
16/06/06	0	23.1	32	16.82
17/06/06	0	23.2	32.2	16.09
18/06/06	0	23.3	32	18.03
19/06/06	18	23	31	13.44
20/06/06	10	23	30.2	5
21/06/06	0	22.4	29.3	16.36
22/06/06	0	22	30.3	19.09
23/06/06	0	22.2	32	19.1
24/06/06	0	22.4	31.1	17.19
25/06/06	0	23	31.2	19.96
26/06/06	0	22.3	32.4	19.74
27/06/06	0	23.3	31.3	15.96
28/06/06	0	23	31.4	14.61
29/06/06	1	23.3	31.3	12.57
30/06/06	0	23.1	30	18.52
01/07/06	0	23	33	20.69
02/07/06	0	22.2	32	18.71
03/07/06	0	22.2	31.4	21.02
04/07/06	0	21.4	32	19.86
05/07/06	0	21.1	33	21.3
06/07/06	0	22.1	32.4	21.44
07/07/06	0	21.4	32.4	20.47
08/07/06	0	21.2	32.2	21.51
	0	21	33	20.68
	0	20.3	31.1	21.85
	0	20	31.4	19.6
	0	19.2	31.4	18.36
	0	21.2	31.2	19.91
	0	20.4	30.2	18.16
	0	22.3	30.4	17.62
	0	23	31.3	12.42
	0	22	30.3	17.58



18/07/06	0	22	32.4	20.09
19/07/06	0	22.4	31.4	20.66
20/07/06	0	21.4	31.4	21.08
21/07/06	0	21	32.2	21.64
22/07/06	0	18.4	33	20.7
23/07/06	0	20	31.3	13.17
24/07/06	0	19.3	31.4	20.35
25/07/06	0	20	32	18.12
26/07/06	0	21.4	32.1	20.95
27/07/06	0	21.3	31.2	21.52
28/07/06	0	22.4	32.1	21.7
29/07/06	0	21	34	22.67
30/07/06	0	18.3	33	23.07
31/07/06	0	19.2	31.3	22.87
01/08/06	0	20.1	32.2	21.06
02/08/06	0	20.1	33.3	22.67
03/08/06	0	19.3	32.4	22.63
04/08/06	0	19.3	33	23.57
05/08/06	0	17.2	32	22.79
06/08/06	0	17.4	32	19.75
07/08/06	0	21	32	20.95
08/08/06	0	21.3	33.1	19.13
09/08/06	0	20.3	33.2	20.23
10/08/06	0	20.2	33	20.76
11/08/06	0	18.3	33	21.97
12/08/06	0	18.2	33.2	22.44
13/08/06	0	20.1	33.4	22.49
14/08/06	0	19.4	33.2	22.03
15/08/06	0	20.2	33	23.04
16/08/06	0	20.3	33.2	22.4
17/08/06	0	22	34.1	22.81
18/08/06	0	22	33.1	23.32
19/08/06	0	21.2	33	22.71
20/08/06	0	20.1	34.2	23.42
21/08/06	0	20.3	34.2	22.34
22/08/06	0	20.4	33.1	23.8
23/08/06	0	20.4	33.2	24.18
24/08/06	0	30	35	24.7
25/08/06	0	19.2	34.1	23.36
26/08/06	0	19.3	33.3	23.1
27/08/06	0	20.2	33.4	22.67
28/08/06	0	20	34	23.13
29/08/06	0	21.4	34.1	24.83
30/08/06	0	19.7	33.2	23.96
31/08/06	0	21	33.3	25.46
01/09/06	0	16.4	34	24.51
02/09/06	0	19.1	33.2	22.2
03/09/06	0	20.4	33.1	22.86
04/09/06	0	19.3	34.1	24.37
05/09/06	0	20	34	25.49
06/09/06	0	19.1	34.2	25.04
07/09/06	0	20.4	35	24.88
	0	19.3	34.4	25.11
	0	20	35.3	24.92
	0	19.1	33.1	25.42
	0	20.4	34	24.41
	0	20.3	33.4	18.4
	0	20.1	33.2	22.86
	0	19.1	33.4	23.64
	0	18.2	34	24.62
	0	20.1	33	23.65
	0	19	33.1	25.45



18/09/06	0	19.1	33.1	22.3
19/09/06	0	19.4	32.3	23.68
20/09/06	0	19	34.1	6.68
21/09/06	0	21	34.3	22.77
22/09/06	0	22.2	35.2	21.93
23/09/06	0	20.3	35.2	22.54
24/09/06	0	19.3	33.3	24.81
25/09/06	0	19.1	34.2	25.03
26/09/06	0	19.4	35.1	25.79
27/09/06	0	19.4	34	23.95
28/09/06	0	20.4	34.1	25.83
29/09/06	0	19.1	35.4	25.88
30/09/06	0	18.4	35	25.92
01/10/06	0	19.3	33.4	24.45
02/10/06	0	20.1	34.2	25.19
03/10/06	0	18.4	36.4	25.5
04/10/06	0	18.3	34.3	25.8
05/10/06	0	18.1	34.3	25.83
06/10/06	0	17.3	31.3	23.32
07/10/06	0	18.2	33.2	22.96
08/10/06	0	19.1	35.3	22.83
09/10/06	0	19.3	34.3	17.22
10/10/06	0	19	34.4	24.35
11/10/06	0	18.4	35.2	24.56
12/10/06	0	18.2	34.2	24.31
13/10/06	0	19.2	35	22.61
14/10/06	0	19	35	20.07
15/10/06	0	20.4	35.3	19.8
16/10/06	0	20.1	35	21.72
17/10/06	0	20.1	35	23.85
18/10/06	0	19	36.3	24.35
19/10/06	0	19.2	35.4	26.34
20/10/06	0	20.2	35.1	25.52
21/10/06	0	20.1	35.2	24.38
22/10/06	0	21.1	35.2	25.61
23/10/06	0	21.1	35.2	25.71
24/10/06	0	20.3	35.3	23.09
25/10/06	0	19.2	34.2	23.31
26/10/06	0	20	36.2	25.01
27/10/06	0	19	36.2	26.84
28/10/06	0	16.2	36.4	26.45
29/10/06	0	17.1	35.4	26.02
30/10/06	0	19	35.4	24.24
31/10/06	0	19.1	35.2	22.7
01/11/06	0	25	33	20.03
02/11/06	0	22.4	33.3	23.17
03/11/06	0	21.2	34.2	25.96
04/11/06	0	20.4	36.2	24.17
05/11/06	0	19.2	33.2	25.44
06/11/06	0	19.1	33.3	25.55
07/11/06	0	20.1	35	25.56
08/11/06	0	20.1	35.2	25.96
09/11/06	0	21.3	33	25.79
10/11/06	0	21.4	35	25.65
11/11/06	0	21	35.2	24.81
12/11/06	0	21.3	34	25.45
13/11/06	0	22	35	25.83
14/11/06	0	22	35	25.14
15/11/06	2	22	36	22.36
16/11/06	4	23.1	35.2	21.03
17/11/06	0	21	35.2	23.26
18/11/06	0	21	34.1	22.91



19/11/06	0	22.2	34	23.86
20/11/06	0	21.1	35.1	23.8
21/11/06	0	22	35.3	23.27
22/11/06	1	22.2	34.3	15.58
23/11/06	10	23.4	32	24.41
24/11/06	0	22.2	34	21.94
25/11/06	8	23.2	32.1	20.57
26/11/06	2	23.1	31	25.18
27/11/06	0	22.2	34.1	24.39
28/11/06	0	23.1	33.4	22.89
29/11/06	0	22.4	32.4	23.43
30/11/06	0	22	33.1	23.95
01/12/06	0	22.2	34.2	23.34
02/12/06	0	23.4	34.2	24.5
03/12/06	4	23.4	34.1	21.27
04/12/06	0	23.2	32.4	18.34
05/12/06	36	21.4	32.4	16.91
06/12/06	3	22.4	30.1	23.18
07/12/06	0	22.4	32.1	23.31
08/12/06	0	24.2	32.1	22.12
09/12/06	0	25	32.4	19.64
10/12/06	4	24.1	31.4	21.46
11/12/06	2	23.3	33	18.49
12/12/06	3	23.3	32	23.3
13/12/06	2	22.2	32.3	19.76
14/12/06	4	24.3	33	18.05
15/12/06	0	24	31	19.63
16/12/06	2	23.1	31.4	21.38
17/12/06	0	23	32.1	18.52
18/12/06	0	24.4	32	23.06
19/12/06	0	24.2	33	21.05
20/12/06	0	24.1	33	22.04
21/12/06	10	23.1	32.4	16.53
22/12/06	5	23.3	31.3	20.02
23/12/06	37	23.2	32.2	19.36
24/12/06	13	23.3	32.1	19.65
25/12/06	14	24.2	31.3	19.53
26/12/06	8	24.1	30.4	21.62
27/12/06	0	23.1	31.4	22.69
28/12/06	3	24.4	32.1	16.36
29/12/06	5	25	31.4	6.87
30/12/06	82	23.2	28.3	2
31/12/06	94	23.2	25.4	12.56

Sumber: PU Prov. Susel dan NASAPOWER, 2023



Lampiran 4. Data iklim kabupaten Gowa tahun 2009

Waktu (dd/mm/yy)	Curah Hujan	Suhu minimum	Suhu maksimum	Radiasi Matahari
01/01/09	30	23.1	30	14.19
02/01/09	36	23.2	30.1	5.69
03/01/09	62	23	27.1	20.48
04/01/09	0	24.4	31	17.02
05/01/09	20	23.2	30.3	16.1
09/01/09	12	23.4	30.3	21.74
07/01/09	0	23.3	31.7	16.16
08/01/09	59	23.3	31.2	16.71
09/01/09	4	23.1	29.4	11.28
10/01/09	83	23.1	29.4	6.59
11/01/09	96	22.1	25.4	11.97
12/01/09	16	23	29	13.6
13/01/09	30	22.3	29.2	7.18
14/01/09	175	22.1	29	15.77
15/01/09	35	23	29.2	11.29
16/01/09	42	23.2	30.2	6.27
17/01/09	48	23	28	7.91
18/01/09	80	22.2	27.4	18.45
19/01/09	25	23.3	30	19.35
20/01/09	17	22.3	29	16.44
21/01/09	15	23.3	29.2	22.11
22/01/09	0	23.1	31	18.76
23/01/09	0	24.1	31	16.57
24/01/09	1	23.3	31	17.69
25/01/09	5	24	31	18.02
26/01/09	5	23.3	30.4	16.19
27/01/09	0	23.1	29.4	22.55
28/01/09	11	22.1	31	11.68
29/01/09	7	23.1	29.4	16.81
30/01/09	161	23.2	30	6.7
31/01/09	47	23.3	25.4	10.46
01/02/09	0	23	28	8.39
02/02/09	166	22.4	29.3	10.23
03/02/09	69	23	28.2	7.36
04/02/09	74	23	28	7.83
05/02/09	67	22.4	25.4	14.31
09/02/09	35	23.3	28.4	20.27
07/02/09	7	24	29.3	20.43
08/02/09	1.5	23.2	30	19.37
09/02/09	0.5	23	30.2	17.76
10/02/09	0	23.2	30	20.04
11/02/09	0	24.2	31.3	6.21
12/02/09	60	23.1	29	5.9
13/02/09	110	23.3	30.4	17.65
14/02/09	8	23.1	30.1	16.47
15/02/09	0	23	30.1	19.81
16/02/09	0	23	30	7.2
17/02/09	5	23	32	19.66
18/02/09	13	23.2	31.2	21.8
19/02/09	0	23.3	31.2	21.5
20/02/09	0	23.2	31.3	20.31
21/02/09	0	23.2	32	18.69
22/02/09	15	23.2	31.2	12.5
23/02/09	3.5	23.3	29.2	20.16
24/02/09	0	23.4	31	13.17
25/02/09	23	23.3	28.4	12.32
26/02/09	29	23.1	19.3	11.09
27/02/09	30	23.2	28.1	18.92
28/02/09	42	23	30.2	17.27



01/03/09	3.5	23.3	30.1	11.85
02/03/09	7	23	31	18.52
03/03/09	0	22	31.4	8.57
04/03/09	10	24	29	18.18
05/03/09	15	25.4	31.3	14.22
09/03/09	0	24	29.2	22.42
07/03/09	0	23.2	32.3	23.42
08/03/09	3	24.1	32	19.13
09/03/09	3	23.2	32	7.24
10/03/09	4	23	31	20.1
11/03/09	3	24.1	31	8.49
12/03/09	0	23	30.3	21.24
13/03/09	0	23	31.2	20.25
14/03/09	0	22.4	32.1	20.87
15/03/09	0	23.3	32	23.71
16/03/09	0	23.4	32.1	17.7
17/03/09	0	23.3	32	21.25
18/03/09	0	23.4	32.4	20.14
19/03/09	0	23.2	32.4	21.11
20/03/09	0	23.1	33	22.67
21/03/09	0	22.4	32.3	24.54
22/03/09	0	23.1	33	26.17
23/03/09	0	22.4	33	24.93
24/03/09	0	22.3	33.2	24.61
25/03/09	0	22.4	33.1	25.2
26/03/09	0	21.2	33.2	20.96
27/03/09	0	21.3	33.1	22.01
28/03/09	0	23.4	33.3	20.72
29/03/09	0	23.3	33.4	20.6
30/03/09	4	24	33.2	16.69
31/03/09	0	24.1	33	20.96
01/04/09	4	23.1	32.4	22.66
02/04/09	0	23.2	33.2	22.43
03/04/09	15	23.2	34.2	15.79
04/04/09	0	23.3	32.1	21.47
05/04/09	0	23.2	33.2	19.99
09/04/09	0	23.3	33	22.08
07/04/09	0	23.4	32.2	20.89
08/04/09	0	23.3	34	22.07
09/04/09	0	24.2	33.4	20.72
10/04/09	0	23.3	33.1	23.33
11/04/09	0	23.4	33.3	22.99
12/04/09	0	24.1	34.1	19.92
13/04/09	0	25.1	32.3	19.94
14/04/09	8	24.4	33.1	18.08
15/04/09	5	24.1	32.1	16.21
16/04/09	15	24	32.1	21.3
17/04/09	0	23.4	33	16.92
18/04/09	14	24.4	31.2	14.81
19/04/09	0	24.2	32	17.13
20/04/09	10	24	31.4	17.93
21/04/09	4	23.4	31.2	20.51
22/04/09	0	23.2	32.2	18.9
23/04/09	0	24	32.2	17.96
24/04/09	6	23.3	31	22.59
25/04/09	0	23.3	33.1	22.79
26/04/09	0	24.1	33.1	21.37
27/04/09	0	24	33.2	22.55
28/04/09	0	23.4	33	21.27
29/04/09	0	23.4	33.3	23.19
30/04/09	0	23.2	33	22.57
01/05/09	6	23	33.4	20.02





02/05/09	0	24	33	19.36
03/05/09	0	23.4	34	22.32
04/05/09	0	24	34	21.24
05/05/09	0	24.2	33	17.88
09/05/09	0	24.2	33.2	12.82
07/05/09	0	23.4	33.2	18.94
08/05/09	0	23.4	33.2	18.54
09/05/09	5	23.2	33.2	20.59
10/05/09	0	23.2	33.2	18.85
11/05/09	0	23	33	18.16
12/05/09	0	24.4	32.3	16.59
13/05/09	2	24.3	32.4	20.12
14/05/09	0	24.1	32.3	21.09
15/05/09	0	24	33	17.3
16/05/09	0	24.3	33	20.28
17/05/09	0	25	33	19.9
18/05/09	0	24.3	33.2	19.21
19/05/09	2	24.1	33	16.39
20/05/09	0	24	32.1	15.25
21/05/09	0	23.4	32.3	18.93
22/05/09	0	24	33.1	17.35
23/05/09	0	24.1	33	19.22
24/05/09	0	24.3	33.4	20.09
25/05/09	0	24.2	34	20.41
26/05/09	0	24.3	34	18.33
27/05/09	0	25.2	34.1	10.45
28/05/09	0	24.3	30.4	18.94
29/05/09	0	24	33.2	17.49
30/05/09	0	25	34	18.03
31/05/09	0	24.3	34	20.42
01/06/09	0	23.3	33.2	19.64
02/06/09	0	24.1	34.1	20.51
03/06/09	0	24	33.4	19.14
04/06/09	0	24	33.3	15.51
05/06/09	0	23.4	33.2	14.03
09/06/09	40	24.1	32	18.31
07/06/09	0	24.4	33.1	18.96
08/06/09	0	25	33.3	17.89
09/06/09	0	24.2	33	18.81
10/09/09	0	22.3	32.2	20.36
11/06/09	0	22.2	33.2	19.89
12/06/09	0	22.1	32.2	20.96
13/06/09	0	22.1	34	21.14
14/06/09	0	21.2	33.2	21.85
15/06/09	0	20.3	33.2	21.82
16/06/09	0	21.2	32	21.68
17/06/09	0	23.3	31.3	20.09
18/06/09	0	23.2	32.1	18.64
19/06/09	0	23.4	33	16.87
20/06/09	0	23.1	32.2	17.15
21/06/09	0	23	32.3	20.64
22/06/09	0	22.3	33.2	20.3
23/06/09	0	22	33.3	21.03
24/06/09	0	23.1	32.2	20.97
25/06/09	0	24	33.3	18.57
26/06/09	0	24.1	33.2	16.34
27/06/09	0	23.2	33	19.01
28/06/09	0	23.4	32.3	21.13
29/06/09	0	23.1	33.2	21.48
30/06/09	0	24	33.4	14.27
01/07/09	0	24	31.3	11.71
02/07/09	5	23.3	31.2	17.09



03/07/09	0	23	31.3	20.72
04/07/09	0	21.1	32.2	21.53
05/07/09	0	22.3	31.3	18.19
09/07/09	0	22.3	31.3	21.01
07/07/09	0	22.3	33.3	20.64
08/07/09	0	24	33	21.75
09/07/09	0	20.4	33.2	20.27
10/07/09	0	21	33	21.12
11/07/09	0	21	33.3	20.02
12/07/09	0	23.3	32.3	14.24
13/07/09	0	23	31.4	13.31
14/07/09	10	23.4	32.3	6.6
15/07/09	0	21.2	24.2	17.11
16/07/09	0	21.3	32.2	20.64
17/07/09	0	21.1	33.4	19.52
18/07/09	0	21.1	32.3	20.17
19/07/09	0	23.4	33.3	12.8
20/07/09	0	24	31.4	17.71
21/07/09	0	23.4	33.3	20.32
22/07/09	0	23.3	33.3	21.39
23/7/09	0	23	32.3	14.89
24/07/09	14	23	31.3	13.34
25/07/09	8	22.2	31.2	20.09
26/07/09	0	20	33	21.6
27/07/09	0	20.3	32.4	22.46
28/07/09	0	20	33	19.9
29/07/09	0	19.1	32.2	18.17
30/07/09	0	19	31.1	17.38
31/07/09	0	21.4	31.3	19.55
01/08/09	22	21.1	32.4	21.25
02/08/09	0	21	33.2	6.68
03/08/09	0	21.3	33.4	22.04
04/08/09	0	22	33.3	21.25
05/08/09	0	21.2	34.3	21.29
09/08/09	0	22.2	33.1	22.36
07/08/09	0	22.1	34.1	22.59
08/08/09	0	21.2	34.4	22.63
09/08/09	0	22.4	34.1	21.29
10/08/09	0	23	35.3	19.01
11/08/09	0	22.4	35.2	19.8
12/08/09	0	22.4	34.1	22.79
13/08/09	0	21.4	33.3	23.12
14/08/09	0	22.3	34.3	22.04
15/08/09	0	22	38	22.91
16/08/09	0	22.3	35	23.08
17/08/09	0	21.3	34.2	23.66
18/08/09	0	20	35	21.74
19/08/09	0	19.3	35	23.75
20/08/09	0	19.1	33.2	23.02
21/08/09	0	22	34.4	22.23
22/08/09	0	22	34.4	23.45
23/08/09	0	24.1	34.2	24.2
24/08/09	0	17	34.2	22.12
25/08/09	0	20	34.2	23.58
26/08/09	0	21.3	34.3	21.7
27/08/09	0	21.2	35	22.55
28/08/09	0	22.4	35.2	23.07
29/08/09	0	23	35	23.1
30/08/09	0	21.2	35	23.69
31/08/09	0	20.1	34	20.83
01/09/09	0	20	34.2	24.53
02/09/09	0	22.1	34.3	20.48



03/09/09	0	23.1	33.4	19.26
04/09/09	0	19	34.1	25.31
05/09/09	0	20.2	35	25.02
09/09/09	0	19	34	24.46
07/09/09	0	23	35	19.59
08/09/09	0	21.4	35	24.59
09/09/09	0	21.1	35	23.01
10/09/09	0	21.4	34.2	22.33
11/09/09	0	21.2	36.3	24.46
12/09/09	0	20	34	24.84
13/09/09	0	20.1	34.4	25.55
14/09/09	0	21.4	34.2	22.97
15/09/09	0	23	35	21.92
16/09/09	0	23	35	24.48
17/09/09	0	21.3	35.1	24.68
18/09/09	0	21.1	35.4	24.36
19/09/09	0	19.3	35.3	24.21
20/09/09	0	20.1	35	22.1
21/09/09	0	23.1	35.1	20.32
22/09/09	0	22.4	34.4	20.27
23/09/09	0	22.3	34.1	22.08
24/09/09	0	22.3	35.3	24.17
25/09/09	0	22.3	35.2	23.46
26/09/09	0	22	34.4	22.99
27/09/09	0	22.3	35.4	24.54
28/09/09	0	21.1	36.4	24.57
29/09/09	0	22	35.4	24.53
30/09/09	0	21	37	22.01
01/10/09	0	23.3	35	19.7
02/10/09	0	22.3	35.1	19.55
03/10/09	0	23.3	36.1	20.07
04/10/09	0	23	36.2	21.75
05/10/09	0	24.4	36	23.1
09/10/09	0	25.2	35	18.97
07/10/09	0	23.2	35	19.93
08/10/09	0	22.1	35	21.37
09/10/09	0	22.1	34.4	21.27
10/10/09	0	21	35.2	22.25
11/10/09	0	22.4	35	24.11
12/10/09	0	23.3	35.2	21.47
13/10/09	0	22.3	35.2	21.09
14/10/09	0	22.1	35.3	22.66
15/10/09	0	21	35.4	25.35
16/10/09	0	20.1	35.4	24.91
17/10/09	0	20	35.3	24.77
18/10/09	0	20.3	36	26.24
19/10/09	0	20.2	34.3	26.92
20/10/09	0	18	36	22.88
21/10/09	0	19	35.1	20.56
22/10/09	0	24	34.4	16.56
23/10/09	34	23.1	33.3	21.86
24/10/09	0	22.4	33.2	24.74
	0	20.4	34	26.24
	0	21	34.2	26.4
	0	20.2	34	26.85
	0	21.3	34	26.46
	0	20.4	34.7	26.75
	0	23	34	24.61
	0	19.3	34	25.88
	0	20.1	36	26.35
	0	20.4	34.3	25.42
	0	19.2	35.3	25.27



04/11/09	0	23.1	35	26.07
05/11/09	0	22	36	25.13
09/11/09	0	24.2	35	24.54
07/11/09	0	22.3	37	21.59
08/11/09	0	25.4	36	22.77
09/11/09	0	23	36	24.45
10/11/09	0	23.2	36	20.68
11/11/09	0	24.3	35.3	21.32
12/11/09	0	24.3	36.4	20.86
13/11/09	0	25	34	22.59
14/11/09	0	23.4	34	24.51
15/11/09	0	23.2	35.2	22.39
16/11/09	0	23.1	35	19.38
17/11/09	0	23.3	33.2	22.37
18/11/09	0	23	33.3	20.42
19/11/09	0	23.3	33.2	20.25
20/11/09	0	23.1	33.3	22.18
21/11/09	0	24	34	19.94
22/11/09	0	24.1	33	21.53
23/11/09	0	24.3	34.1	19.74
24/11/09	0	23.4	34.2	23.11
25/11/09	25	24	34	19.38
26/11/09	0	22.4	34	14.86
27/11/09	0	22.1	34	18.64
28/11/09	0	24.1	32	19.3
29/11/09	0	24	33	21.33
30/11/09	11	24	33	19.2
01/12/09	0	23.3	32.3	19.77
02/12/09	2	22.3	32.3	19.02
03/12/09	0	24	31.2	19.96
04/12/09	0	23.4	32	17.15
05/12/09	0	22.3	32.1	24.9
09/12/09	8.5	23.1	33.3	24.13
07/12/09	0	24	33.1	20.54
08/12/09	40	23	33.2	21.16
09/12/09	0	23.2	32.1	21.18
10/12/09	23	23.2	32	22.43
11/12/09	0	25.2	31.4	21.42
12/12/09	7	25	32	19.63
13/12/09	0	25	32.4	12.74
14/12/09	16	24.1	28.4	17.05
15/12/09	1	25	33	16.58
16/12/09	78	23.3	32	11.28
17/12/09	37	23	30	18.71
18/12/09	34	23.3	31.1	9
19/12/09	3	23	27.3	9.65
20/12/09	43	22.3	27.4	11.99
21/12/09	18	23.1	30	16.58
22/12/09	3	23	29.4	21.31
23/12/09	0	25	32	21.47
24/12/09	0	24.3	33.4	19.19
25/12/09	6	24.3	32	19.76
	19	24.3	32	19.39
	56	24.3	32.3	19.53
	11	24	30.3	17.33
	4	23.2	30.2	18.31
	0	23	32	16.42
	3.5	24.2	32	19.64



Lampiran 6. Perhitungan validasi perbandingan antara data observasi dan simulasi variabel MDAP

$$\begin{aligned} \text{RMSE}_n &= 100 * \frac{\sqrt{\frac{\sum_{i=1}^n (s_i - o_i)^2}{n}}}{ob} \\ &= 100 * \frac{\sqrt{\frac{\sum_{i=1}^n (4927 - 5280)^2}{1}}}{96} = 7,2 \% \end{aligned}$$

$$\begin{aligned} \text{PBIAS} &= \frac{\sum_{i=1}^n (o_i - s_i)}{\sum_{i=1}^n (o_i)} \times 100 \\ &= \frac{(4927 - 5280)}{(4927)} \times 100 = -6.68\% \end{aligned}$$

$$\begin{aligned} \text{MAPE} &= \frac{1}{n} \sum_{i=1}^n \left| \frac{o_i - s_i}{o_i} \right| \times 100\% \\ &= \frac{1}{1} \left( \left| \frac{4927 - 5280}{4927} \right| \right) \times 100\% \\ &= 6.68 \end{aligned}$$

Lampiran 7. Perhitungan validasi perbandingan antara data observasi dan simulasi variabel HWAM

$$\begin{aligned} \text{RMSE}_n &= 100 * \frac{\sqrt{\frac{\sum_{i=1}^n (s_i - o_i)^2}{n}}}{ob} \\ &= 100 * \frac{\sqrt{\frac{\sum_{i=1}^n (96 - 94)^2}{1}}}{96} = 2.08\% \end{aligned}$$

$$\begin{aligned} \text{PBIAS} &= \frac{\sum_{i=1}^n (o_i - s_i)}{\sum_{i=1}^n (o_i)} \times 100 \\ &= \frac{(94 - 96)}{94} \times 100 = -2.12\% \end{aligned}$$

$$\begin{aligned} \text{MAPE} &= \frac{1}{n} \sum_{i=1}^n \left| \frac{o_i - s_i}{o_i} \right| \times 100\% \\ &= \frac{1}{1} \left( \left| \frac{94 - 96}{94} \right| \right) \times 100\% \\ &= 2.12 \% \end{aligned}$$



## Lampiran 8. Dokumentasi selama observasi



## RIWAYAT HIDUP



Zul Magfira lahir di *butta panrita lopi* atau yang dikenal sebagai kota Bulukumba pada tanggal 07 Desember 2001. Penulis merupakan anak bungsu (4 bersaudara) dari Bapak Sirajuddin dan Ibu Hameriah. Penulis menempuh pendidikan tingkat menengah pada tahun 2017-2019 di SMA Negeri 1 Bulukumba dan kemudian melanjutkan pendidikan S1 pada tahun 2019-2024 di Universitas Hasanuddin program studi Agroteknolgi, departemen agronomi.

Sebagai seorang mahasiswi penulis aktif mengikuti berbagai kegiatan baik di bidang akademik maupun non akademik. Pada tahun 2020 penulis menerima dana hibah penelitian dari Tanoto Fondation dan pada tahun 2021 menerima dana hibah PKM. Selain itu, untuk mengasah kemampuan berelasi dan kepemimpinan penulis aktif di beberapa organisasi yakni FMA Faperta Unhas sebagai sekertaris umum, UKM KPI UNHAS sebagai anggota Divisi Kajian, HIMAGRO Faperta Unhas Sebagai Sekertaris Bidang, KOHATI Pertanian Unhas Sebagai Ketua dan BEM Fakultas Pertanian Universitas Hasanuddin sebagai koordinator Pengembangan Sumber Daya Anggota.

