BAB V
KESIMPULAN DAN SARAN

5.1. Kesimpulan

Dari hasil analisis dan pembahasan dapat disimpulkan sebagai berikut:

1. Dari hasil perhitungan ketersediaan air menggunakan Metode Nreca diperoleh inflow rerata tahunan sebesar 0,102 m^3/dt (3,208 juta m^3), dengan keandalan 80% (Q_{80}) sebesar 0,031 m^3/dt (0,973 juta m^3), dan keandalan 50% (Q_{50}) sebesar 0,040 m^3/dt (1,243 juta m^3).
2. Berdasarkan hasil perhitungan kebutuhan air didapatkan pola tanam terpilih adalah padi – padi + palawija – bero, awal tanam November 1, kebutuhan air bersih di sawah (NFR) sebesar 2,12 lt/dt/ha sedangkan kebutuhan air di intake (DR) sebesar 3,27 lt/dt/ha, besarnya kebutuhan debit pengambilan 0,648 m^3/dt.
3. Dari hasil optimasi dapat diketahui bahwa kemampuan maksimum tampungan Embung Ai Mual adalah dapat mengairi areal irigasi seluas 100 ha dengan pola tanam padi (100%) – padi (10%) + palawyja (90%) – bero, intensitas tanam total 200% dengan tingkat keandalan statistik 75%. Awal tanam dimulai pada November I, jenis tanaman palawija adalah jagung. Dari hasil analisa dapat diketahui bahwa adanya peningkatan yang terjadi dari sebelum adanya embung dengan setelah adanya embung (setelah di lakukan optimasi). Pola tanam eksisting adalah palawija – bero – bero dapat ditingkatkan menjadi padi – padi + palawija – bero. Intensitas tanam eksisting sebesar 100% dapat ditingkatkan menjadi 200% setelah adanya embung.

5.2. Saran

Dari analisis yang telah dilakukan dalam penelitian ini, penulis memberikan saran :

1. Dalam melakukan penelitian data-data yang dibutuhkan sebaiknya didapatkan terlebih dahulu agar tidak menghambat dan penelitian dapat terselesaikan dengan waktu singkat.
2. Pola tanam yang disarankan untuk diterapkan pada Daerah Irigasi Ai Mual adalah padi – padi + palawija – bero dengan awal tanam November 1. Dengan menerapkan pola tanam ini memberikan hasil yang optimal sesuai dengan hasil analisis.
3. Pelaksanaan pemberian air ke daerah irigasi harus diawasi secara baik dan benar. Sehingga keberadaan embung yang ada dapat bermanfaat secara maksimal untuk meningkatkan kesejahteraan penduduk disekitar embung.

LAMPIRAN 1

DATA HUJAN STASIUN JEREWEH

BADAN METEOROLOGI KLIMATOLOGI DAN GEOFISIKA
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Tabel 2. Curah Hujan 15 Harian Wilayah Jereweh Tahun 2011 - 2020

CURAH HUJAN 15 HARIAN POS HUJAN JEREWEH (mm)												
2011	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Des
I	20	22	23	46	0	0	8	0	0	0	35	12
II	133	50	66	14	2	3	0	0	13	22	47	57
2012	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Des
I	57	31	81	0	12	4	0	0	0	22	19	20
II	108	15	108	76	28	14	0	0	0	15	85	81
2013	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Des
I	273	54	55	80	0	27	24	0	0	33	21	448
II	232	138	35	74	73	51	0	0	0	301	53	272
2014	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Des
I	39	85	19	22	0	0	0	0	0	0	6	106
II	107	21	25	5	4	4	0	0	0	0	20	76
2015	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Des
I	21	114	41	16	6	0	0	0	0	0	2	20
II	40	0	46	44	2	0	0	0	0	0	18	30
2016	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Des
I	9	89	30	62	0	45	64	4	0	26	19	51
II	39	41	9	0	4	34	244	0	3	50	42	20
2017	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Des
I	14	58	20	4	15	9	4	0	0	45	12	6
II	100	0	63	8	18	7	0	0	26	0	48	77
2018	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Des
I	188	49	48	0	0	0	0	0	0	0	18	15
II	170	18	0	8	0	0	0	0	0	0	3	10
2019	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Des
I	29	64	36	10	0	0	0	0	0	0	2	20
II	57	34	0	0	0	0	0	0	0	0	0	48
2020	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Des
I	3	51	76	35	1	10	0	2	0	20	73	114
II	2	16	144	2	20	0	0	2	6	120	30	27

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- **Curah Hujan Maksimum**

Tabel 3. Curah Hujan Maksimum Harian Wilayah Jereweh Tahun 2011 - 2020

Tahun	Jan		Feb		Mar		Apr		Mei		Jun		Jul		Ags		Sep		Okt		Nov		Des	
	Max	Tgl Max	Max	Tgl Max	Max	Tgl Max	Max	Tgl Max	Max	Tgl Max	Max	Tgl Max	Max	Tgl Max	Max	Tgl Max	Max	Tgl Max	Max	Tgl Max	Max	Tgl Max	Max	Tgl Max
2011	46	30	21	13	17	29	21	11	2	31	2	27	8	13	0	8	12	28	12	25	21	29	12	27
2012	40	25	17	13	40	25	20	24	12	27	11	28	0	8	0	8	0	8	17	12	17	25	15	31
2013	95	31	63	20	19	12	35	22	18	17	19	29	17	10	-	-	-	-	55	26	40	28	100	17
2014	22	23	35	3	13	18	12	4	2	30	2	26	-	-	0	10	-	-	0	30	5	24	22	15
2015	19	30	21	3	14	22	13	26	4	3	-	-	-	-	-	-	-	-	0	3	7	17	12	20
2016	9	27	16	11	7	9	9	10	2	31	13	14	28	20	2	4	3	21	9	25	11	21	12	6
2017	13	31	23	3	17	16	6	22	8	28	9	15	4	6	-	-	22	27	20	8	12	21	14	20
2018	34	31	23	11	24	13	6	17	0	17	-	-	-	-	-	-	0	20	-	-	4	15	8	29
2019	22	22	14	1	12	15	8	14	0	10	0	13	-	-	-	-	0	30	0	31	2	5	10	23
2020	2	31	22	9	26	22	16	5	16	29	8	4	0	20	2	29	4	18	30	24	31	6	32	1

Berdasarkan Tabel 3 di atas, curah hujan harian maksimum di wilayah Kecamatan Jereweh sebesar 100 mm/hari. Curah hujan maksimum harian tersebut terjadi pada tanggal 17 Desember 2013.

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Data Hujan Setengah Bulanan Stasiun Jereweh

mm

No	Tahun	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec		Jumlah Tahunan	Max Harian	Tgl
		I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II			
1	2011	20	133	22	50	23	66	46	14	0	2	0	3	8	0	0	0	0	13	0	22	35	47	12	57	573	46	30 Jan
2	2012	57	108	31	15	81	108	0	76	12	28	4	14	0	0	0	0	0	0	22	15	19	85	20	81	776	40	25 Mar
3	2013	273	232	54	138	55	35	80	74	0	73	27	51	24	0	0	0	0	0	33	301	21	53	448	272	2,244	100	17 Des
4	2014	39	107	85	21	19	25	22	5	0	4	0	4	0	0	0	0	0	0	0	0	6	20	106	76	539	35	3 Feb
5	2015	21	40	114	0	41	46	16	44	6	2	0	0	0	0	0	0	0	0	0	0	2	18	20	30	400	21	3 Feb
6	2016	9	39	89	41	30	9	62	0	0	4	45	34	64	244	4	0	0	3	26	50	19	42	51	20	885	28	20 Jul
7	2017	14	100	58	0	20	63	4	8	15	18	9	7	4	0	0	0	0	26	45	0	12	48	6	77	534	23	3 Feb
8	2018	188	170	49	18	48	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	18	3	15	10	527	34	31 Jan
9	2019	29	57	64	34	36	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	20	48	300	22	22 Jan
10	2020	3	2	51	16	76	144	35	2	1	20	10	0	0	0	2	2	0	6	20	120	73	30	114	27	754	32	1 Des
Rerata		65	99	62	33	43	50	28	23	3	15	10	11	10	24	1	0	-	5	15	51	21	35	81	70	753		
		82		48		46		25		9		10		17		0		2		33		28		76				

Sumber : BMKG Stasiun Klimatologi Kelas I Lombok Barat

LAMPIRAN 2

DATA STASIUN KLIMATOLOGI

BADAN METEOROLOGI KLIMATOLOGI DAN GEOFISIKA
STASIUN KLIMATOLOGI KELAS I LOMBOK BARAT
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Tahun 2016	JAN I	JAN II	FEB I	FEB II	MAR I	MAR II	APR I	APR II	MEI I	MEI II	JUN I	JUN II	JUL I	JUL II	AGT I	AGT II	SEP I	SEP II
Temperatur (^{0}C)	28.01	27.12	26.37	27.06	27.31	27.62	27.65	28.02	28.31	28.09	27.61	27.01	27.00	26.83	27.18	26.81	27.69	27.87
Kelembaban (%)	80.29	86.69	90.91	86.31	86.79	84.00	84.60	78.80	80.87	78.33	79.57	80.83	81.75	76.62	74.92	72.87	71.93	79.08
Penyinaran Matahari (jam)	9.55	5.96	3.27	8.21	7.17	7.19	8.14	8.87	8.65	8.66	9.24	7.09	8.40	8.37	9.43	9.74	10.10	9.21
Kecepatan Angin (m/dt)	2.13	1.88	1.54	1.93	1.60	1.81	1.93	2.07	1.93	2.06	2.00	2.63	2.00	2.63	2.40	2.44	2.33	2.20
Tahun 2017	**JAN I**	**JAN II**	**FEB I**	**FEB II**	**MAR I**	**MAR II**	**APR I**	**APR II**	**MEI I**	**MEI II**	**JUN I**	**JUN II**	**JUL I**	**JUL II**	**AGT I**	**AGT II**	**SEP I**	**SEP II**
Temperatur (^{0}C)	26.75	26.46	26.04	26.98	27.04	26.54	26.40	27.62	27.51	27.26	27.03	26.21	26.45	25.99	26.60	26.91	27.54	28.18
Kelembaban (%)	85.00	87.81	89.53	82.08	82.73	87.38	87.27	79.67	76.13	76.69	77.07	76.93	76.93	73.31	72.27	67.13	69.00	69.27
Penyinaran Matahari (jam)	6.97	4.99	3.26	8.77	8.03	3.94	5.57	9.51	9.20	8.34	7.77	8.63	7.59	8.73	9.40	9.96	9.93	9.74
Kecepatan Angin (m/dt)	1.87	1.81	2.73	2.00	1.93	1.88	1.73	2.20	2.93	2.75	3.33	3.06	3.33	3.06	3.40	3.13	2.73	2.93
Tahun 2018	**JAN I**	**JAN II**	**FEB I**	**FEB II**	**MAR I**	**MAR II**	**APR I**	**APR II**	**MEI I**	**MEI II**	**JUN I**	**JUN II**	**JUL I**	**JUL II**	**AGT I**	**AGT II**	**SEP I**	**SEP II**
Temperatur (^{0}C)	27.01	26.28	26.08	26.56	26.61	26.44	27.85	27.96	27.69	27.70	27.21	26.76	26.23	26.74	26.35	26.55	27.49	28.02
Kelembaban (%)	84.60	89.88	88.13	86.85	84.93	84.88	79.87	74.87	71.13	73.44	74.00	73.73	70.40	72.19	71.47	73.94	69.87	69.80
Penyinaran Matahari (jam)	5.86	2.84	6.15	7.74	7.64	7.65	9.49	9.44	10.25	9.66	10.05	8.41	10.09	9.53	9.31	8.94	9.45	9.95
Kecepatan Angin (m/dt)	1.60	2.13	1.73	2.00	1.93	1.94	2.00	2.47	2.93	3.06	3.47	2.63	3.47	2.63	3.53	2.75	3.13	2.73
Tahun 2019	**JAN I**	**JAN II**	**FEB I**	**FEB II**	**MAR I**	**MAR II**	**APR I**	**APR II**	**MEI I**	**MEI II**	**JUN I**	**JUN II**	**JUL I**	**JUL II**	**AGT I**	**AGT II**	**SEP I**	**SEP II**
Temperatur (^{0}C)	26.57	26.49	26.31	27.33	27.07	26.97	27.02	27.83	27.21	27.33	27.55	25.37	25.69	25.83	25.80	26.46	26.33	27.14
Kelembaban (%)	86.80	87.25	88.20	82.85	83.73	86.44	83.80	78.47	78.53	71.00	72.27	70.73	69.87	68.75	68.20	66.25	67.60	71.47
Penyinaran Matahari (jam)	7.36	3.84	5.63	8.85	6.59	5.21	6.92	8.50	8.50	10.43	8.85	10.13	9.22	10.09	10.00	10.08	9.91	10.22
Kecepatan Angin (m/dt)	1.73	2.56	2.00	2.00	2.00	2.38	2.00	2.53	2.73	3.31	3.00	3.13	3.00	3.13	3.07	3.13	3.07	3.00

BADAN METEOROLOGI, KLIMATOLOGI, DAN GEOFISIKA
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DATA KLIMATOLOGI

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Pengelola : **BMKG Provinsi NTB**

Lintang : **-8.44845**
Bujur : **117.41336**
Elevasi : **10**

Parameter		JAN I	JAN II	FEB I	FEB II	MAR I	MAR II	APR I	APR II	MEI I	MEI II	JUN I	JUN II	JUL I	JUL II	AGT I	AGT II	SEP I	SEP II	OKT I	OKT II	NOV I	NOV II	DES I	DES II
Kelembaban Relatif (%)	2016	80.29	86.69	90.91	86.31	86.79	84.00	84.60	78.80	80.87	78.33	79.57	80.83	81.75	76.62	74.92	72.87	71.93	79.08	75.60	77.31	79.13	81.07	86.64	86.00
	2017	85.00	87.81	89.53	82.08	82.73	87.38	87.27	79.67	76.13	76.69	77.07	76.93	76.93	73.31	72.27	67.13	69.00	69.27	72.27	75.06	80.67	85.47	83.47	87.19
	2018	84.60	89.88	88.13	86.85	84.93	84.88	79.87	74.87	71.13	73.44	74.00	73.73	70.40	72.19	71.47	73.94	69.87	69.80	68.27	68.88	77.73	79.13	82.20	79.94
	2019	86.80	87.25	88.20	82.85	83.73	86.44	83.80	78.47	78.53	71.00	72.27	70.73	69.87	68.75	68.20	66.25	67.60	71.47	67.60	67.56	72.27	73.20	75.07	81.19
	Rerata	**84.17**	**87.91**	**89.19**	**84.52**	**84.55**	**85.67**	**83.88**	**77.95**	**76.67**	**74.86**	**75.73**	**75.56**	**74.74**	**72.72**	**71.71**	**70.04**	**69.60**	**72.40**	**70.93**	**72.20**	**77.45**	**79.72**	**81.84**	**83.58**
Temperatur (°C)	2016	28.01	27.12	26.37	27.06	27.31	27.62	27.65	28.02	28.31	28.09	27.61	27.01	27.00	26.83	27.18	26.81	27.69	27.87	28.18	27.98	28.41	28.23	26.95	27.22
	2017	26.75	26.46	26.04	26.98	27.04	26.54	26.40	27.62	27.51	27.26	27.03	26.21	26.45	25.99	26.60	26.91	27.54	28.18	29.25	28.24	27.87	27.33	27.61	26.66
	2018	27.01	26.28	26.08	26.56	26.61	26.44	27.85	27.96	27.69	27.70	27.21	26.76	26.23	26.74	26.35	26.55	27.49	28.02	28.81	29.36	29.09	28.13	27.96	27.51
	2019	26.57	26.49	26.31	27.33	27.07	26.97	27.02	27.83	27.21	27.33	27.55	25.37	25.69	25.83	25.80	26.46	26.33	27.14	27.83	28.52	28.99	29.07	28.90	27.91
	Rerata	**27.09**	**26.59**	**26.20**	**26.98**	**27.01**	**26.89**	**27.23**	**27.86**	**27.68**	**27.59**	**27.35**	**26.34**	**26.34**	**26.35**	**26.48**	**26.68**	**27.26**	**27.80**	**28.52**	**28.53**	**28.59**	**28.19**	**27.85**	**27.32**
Kecepatan Angin (m/dt)	2016	2.13	1.88	1.54	1.93	1.60	1.81	1.93	2.07	1.93	2.06	2.00	2.63	2.00	2.63	2.40	2.44	2.33	2.20	2.00	2.06	2.20	1.80	1.60	2.31
	2017	1.87	1.81	2.73	2.00	1.93	1.88	1.73	2.20	2.93	2.75	3.33	3.06	3.33	3.06	3.40	3.13	2.73	2.93	2.80	2.63	2.13	1.67	1.80	1.94
	2018	1.60	2.13	1.73	2.00	1.93	1.94	2.00	2.47	2.93	3.06	3.47	2.63	3.47	2.63	3.53	2.75	3.13	2.73	2.80	3.38	2.53	2.20	2.07	2.13
	2019	1.73	2.56	2.00	2.00	2.00	2.38	2.00	2.53	2.73	3.31	3.00	3.13	3.00	3.13	3.07	3.13	3.07	3.00	2.80	2.94	2.73	2.60	2.20	2.06
	Rerata (m/d)	**1.83**	**2.09**	**2.00**	**1.98**	**1.87**	**2.00**	**1.92**	**2.32**	**2.63**	**2.80**	**2.95**	**2.86**	**2.95**	**2.86**	**3.10**	**2.86**	**2.82**	**2.72**	**2.60**	**2.75**	**2.40**	**2.07**	**1.92**	**2.11**
	Rerata (km/hr)	**158.40**	**180.90**	**172.91**	**171.26**	**161.28**	**172.80**	**165.60**	**200.16**	**227.52**	**241.65**	**254.88**	**247.05**	**254.88**	**247.05**	**267.84**	**247.05**	**243.36**	**234.72**	**224.64**	**237.60**	**207.36**	**178.56**	**165.60**	**182.25**
Penyinaran Matahari (%)	2016	9.55	5.96	3.27	8.21	7.17	7.19	8.14	8.87	8.65	8.66	9.24	7.09	8.40	8.37	9.43	9.74	10.10	9.21	8.40	8.06	8.56	7.34	3.95	3.98
	2017	6.97	4.99	3.26	8.77	8.03	3.94	5.57	9.51	9.20	8.34	7.77	8.63	7.59	8.73	9.40	9.96	9.93	9.74	9.43	9.84	6.71	5.32	6.93	3.88
	2018	5.86	2.84	6.15	7.74	7.64	7.65	9.49	9.44	10.25	9.66	10.05	8.41	10.09	9.53	9.31	8.94	9.45	9.95	10.79	10.39	8.88	8.19	7.87	5.66
	2019	7.36	3.84	5.63	8.85	6.59	5.21	6.92	8.50	8.50	10.43	8.85	10.13	9.22	10.09	10.00	10.08	9.91	10.22	10.61	10.76	9.99	9.67	9.51	8.16
	Rerata	**7.44**	**4.41**	**4.58**	**8.39**	**7.36**	**6.00**	**7.53**	**9.08**	**9.15**	**9.27**	**8.98**	**8.57**	**8.83**	**9.18**	**9.53**	**9.68**	**9.85**	**9.78**	**9.81**	**9.76**	**8.54**	**7.63**	**7.06**	**5.42**

Sumber : BMKG Stasiun Klimatologi Kelas I Lombok Barat

LAMPIRAN 3
ANALISIS EVAPOTRANSPIRASI

Perhitungan Evapotranspirasi Potensial dengan Metode Penman untuk Catchment Area Embung Ai Mual

Pos Iklim : **Sta. Sultan Muhammad Kaharudin**
Altitude EL .(m) : 10.00 m Elevasi : 269 (average)
Latitude (deg-S) : 8.25 m Albedo : 0.25 (r)

No.	Uraian	Januari		Pebruari		Maret		April		Mei		Juni		Juli		Agustus		September		Oktober		Nopember		Desember	
		I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
	Jumlah Hari	15	16	14	14	15	16	15	15	15	16	15	15	15	16	15	16	15	15	15	16	15	15	15	16
1	**Temperatur, t(a) (C)**	**27.09**	**26.59**	**26.20**	**26.98**	**27.01**	**26.89**	**27.23**	**27.86**	**27.68**	**27.59**	**27.35**	**26.34**	**26.34**	**26.35**	**26.48**	**26.68**	**27.26**	**27.80**	**28.52**	**28.53**	**28.59**	**28.19**	**27.85**	**27.32**
2	**Kecepatan Angin, U (km/hr)**	**183.33**	**209.38**	**200.13**	**198.21**	**186.67**	**200.00**	**191.67**	**231.67**	**263.33**	**279.69**	**295.00**	**285.94**	**295.00**	**285.94**	**310.00**	**285.94**	**281.67**	**271.67**	**260.00**	**275.00**	**240.00**	**206.67**	**191.67**	**210.94**
3	Temperatur terkoreksi, t(c) (C)	25.53	25.03	24.65	25.43	25.45	25.34	25.68	26.30	26.13	26.04	25.80	24.78	24.79	24.80	24.93	25.13	25.71	26.25	26.96	26.97	27.04	26.64	26.30	25.77
4	**Kelembaban relatif, RH**	**0.84**	**0.88**	**0.89**	**0.85**	**0.85**	**0.86**	**0.84**	**0.78**	**0.77**	**0.75**	**0.76**	**0.76**	**0.75**	**0.73**	**0.72**	**0.70**	**0.70**	**0.72**	**0.71**	**0.72**	**0.77**	**0.80**	**0.82**	**0.84**
5	**Lama penyinaran, n/N**	**0.07**	**0.04**	**0.05**	**0.08**	**0.07**	**0.06**	**0.08**	**0.09**	**0.09**	**0.09**	**0.09**	**0.09**	**0.09**	**0.09**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**	**0.09**	**0.08**	**0.07**	**0.05**
6	Kecepatan angin terkoreksi, Uc (km/hr)	285.84	326.44	312.02	309.04	291.04	311.83	298.83	361.20	410.57	436.07	459.94	445.81	459.94	445.81	483.33	445.81	439.15	423.56	405.37	428.76	374.19	322.22	298.83	328.88
7	Tekanan uap jenuh,es(mbar)	35.75	34.70	33.90	35.53	35.58	35.34	36.07	37.45	37.05	36.86	36.33	34.18	34.19	34.20	34.48	34.89	36.14	37.33	38.96	38.99	39.14	38.21	37.45	36.27
8	Tekanan uap jenuh aktual, ea(mbar)	30.09	30.50	30.24	30.03	30.08	30.28	30.25	29.19	28.41	27.60	27.51	25.83	25.55	24.87	24.72	24.44	25.15	27.03	27.64	28.15	30.32	30.46	30.65	30.31
9	Beda tekanan uap,es-ea(mbar)	5.66	4.20	3.66	5.50	5.50	5.06	5.81	8.26	8.65	9.27	8.82	8.35	8.64	9.33	9.75	10.45	10.99	10.30	11.33	10.84	8.83	7.75	6.80	5.96
10	Fungsi kecepatan angin, f(U)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
11	Konstanta kemiringan tekanan uap, del	2.07	2.04	1.78	2.07	2.07	2.06	2.08	2.13	2.11	2.11	2.09	1.88	1.88	1.89	1.98	2.05	2.09	2.12	2.17	2.17	2.18	2.15	2.13	2.09
12	Angka perpindahan angin (Aerodynamic term)	0.12	0.06	0.04	0.11	0.11	0.09	0.12	0.25	0.28	0.32	0.28	0.23	0.25	0.29	0.33	0.39	0.44	0.39	0.49	0.45	0.30	0.23	0.17	0.13
13	Radiasi extra terrestial, Ra (mm/hari)	922.00	922.00	922.00	922.00	891.00	891.00	847.50	847.50	751.00	751.00	708.63	708.63	724.75	724.75	784.50	784.50	768.00	768.00	902.63	902.63	915.63	915.63	924.50	924.50
14	Radiasi matahari, Rs (mm/hari)	264.78	250.81	251.60	269.19	255.52	249.47	243.78	250.35	222.10	222.56	208.96	207.50	213.17	214.44	233.52	234.10	229.80	229.55	269.92	269.72	267.99	263.82	263.77	256.17
15	Radiasi Gelombang panjang																								
	a. f (t) pada T	15.67	15.42	15.72	15.62	15.63	15.57	15.74	16.02	15.95	15.92	15.80	15.79	15.80	15.80	15.86	15.46	15.76	16.00	16.29	16.29	15.92	16.16	16.02	15.79
	b. f (ea) pada ea	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.09	0.08	0.07	0.07	0.06	0.05	0.05	0.04	0.05
	c. f (n/N) pada n/N	0.29	0.27	0.27	0.29	0.29	0.28	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.30	0.29	0.29	0.28	0.28
16	del / (del + c)	0.81	0.81	0.79	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.79	0.80	0.80	0.80	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.81	0.81
17	c / (del + c)	0.19	0.19	0.21	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.21	0.20	0.20	0.20	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.19	0.19
18	Angka Radiasi	2.77	2.62	2.56	2.82	2.68	2.61	2.56	2.64	2.34	2.34	2.19	2.13	2.19	2.21	2.43	2.45	2.41	2.42	2.85	2.85	2.83	2.78	2.78	2.69
19	Radiasi gelombang panjang netto	0.17	0.15	0.16	0.18	0.17	0.16	0.17	0.21	0.23	0.25	0.25	0.29	0.30	0.32	0.33	0.33	0.32	0.27	0.26	0.24	0.17	0.17	0.16	0.16
20	Angka perpindahan angin netto	0.02	0.01	0.01	0.02	0.02	0.02	0.02	0.05	0.05	0.06	0.05	0.05	0.05	0.06	0.06	0.07	0.08	0.07	0.09	0.08	0.05	0.04	0.03	0.02
21	**Evapotranspirasi potensial, ETo(mm/hari)**	**2.62**	**2.48**	**2.41**	**2.66**	**2.53**	**2.47**	**2.41**	**2.48**	**2.16**	**2.15**	**2.00**	**1.89**	**1.95**	**1.95**	**2.16**	**2.19**	**2.18**	**2.22**	**2.68**	**2.69**	**2.71**	**2.65**	**2.65**	**2.55**
22	**Evapotranspirasi potensial, ETo(mm/15 hari)**	39.36	39.70	33.73	37.29	37.88	39.46	36.16	37.14	32.41	34.39	29.98	28.38	29.19	31.15	32.44	35.06	32.63	33.30	40.26	43.03	40.70	39.82	39.71	40.80

Sumber : Hasil Perhitungan

Perhitungan Evapotranspirasi Potensial dengan Metode Penman untuk Daerah Irigasi Embung Ai Mual

Pos Iklim : **Sta. Sultan Muhammad Kaharudin**
Altitude EL .(m) : 10.00 m Elevasi : 43 (average)
Latitude (deg-S) : 8.25 m Albedo : 0.25 (r)

No.	Uraian	Januari		Pebruari		Maret		April		Mei		Juni		Juli		Agustus		September		Oktober		Nopember		Desember	
		I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
	Jumlah Hari	15	16	14	14	15	16	15	15	15	16	15	15	15	16	15	16	15	15	15	16	15	15	15	16
1	**Temperatur, t(a) (C)**	**27.09**	**26.59**	**26.20**	**26.98**	**27.01**	**26.89**	**27.23**	**27.86**	**27.68**	**27.59**	**27.35**	**26.34**	**26.34**	**26.35**	**26.48**	**26.68**	**27.26**	**27.80**	**28.52**	**28.53**	**28.59**	**28.19**	**27.85**	**27.32**
2	**Kecepatan Angin, U (km/hr)**	**183.33**	**209.38**	**200.13**	**198.21**	**186.67**	**200.00**	**191.67**	**231.67**	**263.33**	**279.69**	**295.00**	**285.94**	**295.00**	**285.94**	**310.00**	**285.94**	**281.67**	**271.67**	**260.00**	**275.00**	**240.00**	**206.67**	**191.67**	**210.94**
3	Temperatur terkoreksi, t(c) (C)	26.89	26.39	26.01	26.79	26.81	26.70	27.04	27.66	27.49	27.40	27.16	26.14	26.15	26.15	26.29	26.49	27.07	27.61	28.32	28.33	28.40	28.00	27.66	27.13
4	**Kelembaban relatif, RH**	**0.84**	**0.88**	**0.89**	**0.85**	**0.85**	**0.86**	**0.84**	**0.78**	**0.77**	**0.75**	**0.76**	**0.76**	**0.75**	**0.73**	**0.72**	**0.70**	**0.70**	**0.72**	**0.71**	**0.72**	**0.77**	**0.80**	**0.82**	**0.84**
5	**Lama penyinaran, n/N**	**0.07**	**0.04**	**0.05**	**0.08**	**0.07**	**0.06**	**0.08**	**0.09**	**0.09**	**0.09**	**0.09**	**0.09**	**0.09**	**0.09**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**	**0.09**	**0.08**	**0.07**	**0.05**
6	Kecepatan angin terkoreksi, Uc (km/hr)	219.63	250.83	239.75	237.46	223.63	239.60	229.62	277.54	315.47	335.07	353.41	342.55	353.41	342.55	371.38	342.55	337.44	325.46	311.48	329.45	287.52	247.59	229.62	252.70
7	Tekanan uap jenuh,es(mbar)	35.75	34.70	33.90	35.53	35.58	35.34	36.07	37.45	37.05	36.86	36.33	34.18	34.19	34.20	34.48	34.89	36.14	37.33	38.96	38.99	39.14	38.21	37.45	36.27
8	Tekanan uap jenuh aktual, ed(mbar)	30.09	30.50	30.24	30.03	30.08	30.28	30.25	29.19	28.41	27.60	27.51	25.83	25.55	24.87	24.72	24.44	25.15	27.03	27.64	28.15	30.32	30.46	30.65	30.31
9	Beda tekanan uap,es-ed(mbar)	5.66	4.20	3.66	5.50	5.50	5.06	5.81	8.26	8.65	9.27	8.82	8.35	8.64	9.33	9.75	10.45	10.99	10.30	11.33	10.84	8.83	7.75	6.80	5.96
10	Fungsi kecepatan angin, f(U)	0.77	0.84	0.81	0.81	0.77	0.81	0.79	0.90	0.98	1.03	1.07	1.04	1.07	1.04	1.11	1.04	1.03	1.00	0.97	1.01	0.92	0.83	0.79	0.84
11	Konstanta kemiringan tekanan uap, del	2.17	2.13	2.11	2.16	2.16	2.15	2.18	2.22	2.21	2.20	2.18	2.11	2.11	2.12	2.12	2.14	2.18	2.21	2.26	2.26	2.27	2.24	2.22	2.18
12	Angka perpindahan angin (Aerodynamic term)	9.37	7.47	6.25	9.56	9.19	8.83	9.96	16.40	18.71	20.90	20.54	18.41	19.48	20.57	22.93	23.29	24.65	22.89	24.91	24.83	18.37	14.38	11.87	10.91
13	Radiasi extra terrestial, Ra (mm/hari)	922.00	922.00	922.00	922.00	891.00	891.00	847.50	847.50	751.00	751.00	708.63	708.63	724.75	724.75	784.50	784.50	768.00	768.00	902.63	902.63	915.63	915.63	924.50	924.50
14	Radiasi matahari, Rs (mm/hari)	249.70	241.88	242.32	252.17	241.10	237.71	229.74	233.42	206.99	207.24	194.97	194.15	199.10	199.81	217.07	217.39	213.17	213.03	250.45	250.33	250.79	248.46	249.41	245.15
15	Radiasi Gelombang panjang																								
	a. f (t) pada T	16.26	16.06	15.90	16.22	16.22	16.18	15.91	16.16	16.09	16.06	15.96	15.96	15.96	15.96	16.01	16.09	15.93	16.14	16.43	16.43	16.46	16.30	16.16	15.95
	b. f (ed) pada ed	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.10	0.10	0.10	0.10
	c. f (n/N) pada n/N	0.29	0.27	0.27	0.29	0.29	0.28	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.30	0.29	0.29	0.28	0.28
16	del / (del + c)	0.82	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
17	c / (del + c)	0.71	0.71	0.72	0.71	0.71	0.71	0.71	0.70	0.70	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.70	0.70	0.70	0.70	0.70	0.70	0.71
18	Angka Radiasi	2.64	2.55	2.55	2.66	2.55	2.51	2.43	2.48	2.19	2.20	2.06	2.04	2.09	2.10	2.29	2.29	2.25	2.26	2.67	2.67	2.67	2.64	2.65	2.59
19	Radiasi gelombang panjang netto	0.37	0.34	0.34	0.38	0.37	0.36	0.36	0.40	0.41	0.42	0.42	0.44	0.45	0.46	0.47	0.48	0.46	0.44	0.44	0.43	0.39	0.37	0.36	0.35
20	Angka perpindahan angin netto	6.65	5.32	4.47	6.78	6.52	6.27	7.05	11.54	13.19	14.74	14.52	13.15	13.92	14.69	16.36	16.58	17.45	16.11	17.42	17.37	12.84	10.08	8.35	7.72
21	**Evapotranspirasi potensial, ETo(mm/hari)**	**8.91**	**7.53**	**6.67**	**9.07**	**8.70**	**8.42**	**9.11**	**13.62**	**14.97**	**16.52**	**16.17**	**14.75**	**15.57**	**16.33**	**18.18**	**18.39**	**19.24**	**17.94**	**19.65**	**19.60**	**15.13**	**12.35**	**10.64**	**9.96**
22	**Evapotranspirasi potensial, ETo(mm/15 hari)**	133.65	120.43	93.42	126.94	130.43	134.70	136.70	204.29	224.59	264.24	242.50	221.28	233.48	261.34	272.64	294.26	288.58	269.05	294.72	313.65	226.92	185.29	159.57	159.32

Sumber : Hasil Perhitungan

LAMPIRAN 4
ANALISIS KETERSEDIAAN AIR

POTENSI INFLOW EMBUNG AI MUAL MENGGUNAKAN MODEL NRECA

CA : Embung Ai Mual
DAS : Jereweh
WS : Sumbawa

Luas DTA (A) : 17.110 km^2
Hujan Tahunan : 753.20 mm
NOM : 250.64 mm

Parameter Model :	
PSUB (P1)	0.30
GWF (P2)	0.30
SMS	200
GWS	500

Kontrol :	
Q CIA	6.44 juta m3
Q avg	3.20 juta m3

Kontrol Kelengasan awal - akhir < 200

200.00 - 90.43 = 109.57 < 200.00 OK

Tahun 2011

Bulan		Σhari	Hujan mm	PET mm	SMS mm	Sr	P/PET	AET/PET	AET mm	P - AET mm	excm mm	$\Delta_{Storage}$ mm	Rech mm	GWS_{awal} mm	GWS_{akhir} mm	GF mm	DF mm	$\Sigma aliran_{model}$ mm	Q_{model} m^3/detik
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20
Jan	I	15	20.00	76.42	200.00	0.80	0.26	0.56	42.51	-22.51	0.00	-22.51	0.00	500.00	500.00	150.00	0.00	150.00	2.030
	II	16	133.00	79.84	177.49	0.71	1.67	1.00	79.84	53.16	12.62	40.54	3.78	350.00	353.78	106.14	8.83	114.97	1.473
Peb	I	14	22.00	52.79	218.03	0.87	0.42	0.67	35.39	-13.39	0.00	-13.39	0.00	247.65	247.65	74.29	0.00	74.29	1.101
	II	14	50.00	65.44	204.64	0.82	0.76	0.86	56.30	-6.30	0.00	-6.30	0.00	173.35	173.35	52.01	0.00	52.01	0.786
Mar	I	15	23.00	70.64	198.33	0.79	0.33	0.59	41.85	-18.85	0.00	-18.85	0.00	121.35	121.35	36.40	0.00	36.40	0.531
	II	16	66.00	79.99	179.49	0.72	0.83	0.89	71.01	-5.01	0.00	-5.01	0.00	84.94	84.94	25.48	0.00	25.48	0.365
Apr	I	15	46.00	77.67	174.48	0.70	0.59	0.73	57.02	-11.02	0.00	-11.02	0.00	59.46	59.46	17.84	0.00	17.84	0.246
	II	15	14.00	80.55	163.46	0.65	0.17	0.44	35.70	-21.70	0.00	-21.70	0.00	41.62	41.62	12.49	0.00	12.49	0.175
Mei	I	15	0.00	66.73	141.75	0.57	0.00	0.28	18.87	-18.87	0.00	-18.87	0.00	29.14	29.14	8.74	0.00	8.74	0.125
	II	16	2.00	70.19	122.88	0.49	0.03	0.27	18.72	-16.72	0.00	-16.72	0.00	20.39	20.39	6.12	0.00	6.12	0.086
Jun	I	15	0.00	60.59	106.17	0.42	0.00	0.21	12.83	-12.83	0.00	-12.83	0.00	14.28	14.28	4.28	0.00	4.28	0.067
	II	15	3.00	61.07	93.34	0.37	0.05	0.23	13.81	-10.81	0.00	-10.81	0.00	9.99	9.99	3.00	0.00	3.00	0.050
Jul	I	15	8.00	55.40	82.52	0.33	0.14	0.29	15.80	-7.80	0.00	-7.80	0.00	7.00	7.00	2.10	0.00	2.10	0.038
	II	16	0.00	61.03	74.72	0.30	0.00	0.15	9.10	-9.10	0.00	-9.10	0.00	4.90	4.90	1.47	0.00	1.47	0.028
Ags	I	15	0.00	61.66	65.63	0.26	0.00	0.13	8.07	-8.07	0.00	-8.07	0.00	3.43	3.43	1.03	0.00	1.03	0.024
	II	16	0.00	69.07	57.55	0.23	0.00	0.11	7.93	-7.93	0.00	-7.93	0.00	2.40	2.40	0.72	0.00	0.72	0.019
Sep	I	15	0.00	69.26	49.62	0.20	0.00	0.10	6.86	-6.86	0.00	-6.86	0.00	1.68	1.68	0.50	0.00	0.50	0.017
	II	15	13.00	69.51	42.77	0.17	0.19	0.26	17.82	-4.82	0.00	-4.82	0.00	1.18	1.18	0.35	0.00	0.35	0.015
Okt	I	15	0.00	86.69	37.94	0.15	0.00	0.08	6.56	-6.56	0.00	-6.56	0.00	0.82	0.82	0.25	0.00	0.25	0.053
	II	16	22.00	92.61	31.38	0.13	0.24	0.29	26.42	-4.42	0.00	-4.42	0.00	0.58	0.58	0.17	0.00	0.17	0.052
Nop	I	15	35.00	88.20	26.96	0.11	0.40	0.43	37.86	-2.86	0.00	-2.86	0.00	0.40	0.40	0.12	0.00	0.12	0.052
	II	15	47.00	68.75	24.10	0.10	0.68	0.70	48.05	-1.05	0.00	-1.05	0.00	0.28	0.28	0.08	0.00	0.08	0.051
Des	I	15	12.00	77.19	23.05	0.09	0.16	0.19	15.00	-3.00	0.00	-3.00	0.00	0.20	0.20	0.06	0.00	0.06	0.051
	II	16	57.00	80.18	20.06	0.08	0.71	0.72	57.93	-0.93	0.00	-0.93	0.00	0.14	0.14	0.04	0.00	0.04	0.051

Tahun 2012

Bulan		Σhari	Hujan mm	PET mm	SMS mm	Sr	P/PET	AET/PET	AET mm	P - AET mm	excm mm	$\Delta_{Storage}$ mm	Rech mm	GWS_{awal} mm	GWS_{akhir} mm	GF mm	DF mm	$\Sigma aliran_{model}$ mm	Q_{model} m^3/detik
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20
Jan	I	15	57.00	76.42	200.00	0.80	0.75	0.85	64.75	-7.75	0.00	-7.75	0.00	0.10	0.10	0.03	0.00	0.03	0.050
	II	16	108.00	79.84	192.25	0.77	1.35	1.00	79.84	28.16	7.96	20.20	2.39	0.07	2.45	0.74	5.57	6.31	0.128
Peb	I	14	31.00	52.79	212.45	0.85	0.59	0.76	40.24	-9.24	0.00	-9.24	0.00	1.72	1.72	0.52	0.00	0.52	0.057
	II	14	15.00	65.44	203.21	0.81	0.23	0.54	35.45	-20.45	0.00	-20.45	0.00	1.20	1.20	0.36	0.00	0.36	0.055
Mar	I	15	81.00	70.64	182.77	0.73	1.15	1.00	70.64	10.36	2.62	7.74	0.79	0.84	1.63	0.49	1.83	2.32	0.081
	II	16	108.00	79.99	190.51	0.76	1.35	1.00	79.99	28.01	7.76	20.26	2.33	1.14	3.47	1.04	5.43	6.47	0.130
Apr	I	15	0.00	77.67	210.76	0.84	0.00	0.42	32.66	-32.66	0.00	-32.66	0.00	2.43	2.43	0.73	0.00	0.73	0.020
	II	15	76.00	80.55	178.11	0.71	0.94	0.96	77.62	-1.62	0.00	-1.62	0.00	1.70	1.70	0.51	0.00	0.51	0.017
Mei	I	15	12.00	66.73	176.49	0.70	0.18	0.47	31.27	-19.27	0.00	-19.27	0.00	1.19	1.19	0.36	0.00	0.36	0.015
	II	16	28.00	70.19	157.22	0.63	0.40	0.59	41.23	-13.23	0.00	-13.23	0.00	0.83	0.83	0.25	0.00	0.25	0.013
Jun	I	15	4.00	60.59	143.99	0.57	0.07	0.33	20.26	-16.26	0.00	-16.26	0.00	0.58	0.58	0.17	0.00	0.17	0.012
	II	15	14.00	61.07	127.74	0.51	0.23	0.43	25.99	-11.99	0.00	-11.99	0.00	0.41	0.41	0.12	0.00	0.12	0.012
Jul	I	15	0.00	55.40	115.74	0.46	0.00	0.23	12.79	-12.79	0.00	-12.79	0.00	0.29	0.29	0.09	0.00	0.09	0.011
	II	16	0.00	61.03	102.95	0.41	0.00	0.21	12.53	-12.53	0.00	-12.53	0.00	0.20	0.20	0.06	0.00	0.06	0.011
Ags	I	15	0.00	61.66	90.42	0.36	0.00	0.18	11.12	-11.12	0.00	-11.12	0.00	0.14	0.14	0.04	0.00	0.04	0.011
	II	16	0.00	69.07	79.30	0.32	0.00	0.16	10.93	-10.93	0.00	-10.93	0.00	0.10	0.10	0.03	0.00	0.03	0.010
Sep	I	15	0.00	69.26	68.37	0.27	0.00	0.14	9.45	-9.45	0.00	-9.45	0.00	0.07	0.07	0.02	0.00	0.02	0.010
	II	15	0.00	69.51	58.92	0.24	0.00	0.12	8.17	-8.17	0.00	-8.17	0.00	0.05	0.05	0.01	0.00	0.01	0.010
Okt	I	15	22.00	86.69	50.75	0.20	0.25	0.33	28.55	-6.55	0.00	-6.55	0.00	0.03	0.03	0.01	0.00	0.01	0.050
	II	16	15.00	92.61	44.20	0.18	0.16	0.24	21.84	-6.84	0.00	-6.84	0.00	0.02	0.02	0.01	0.00	0.01	0.050
Nop	I	15	19.00	88.20	37.36	0.15	0.22	0.27	24.16	-5.16	0.00	-5.16	0.00	0.02	0.02	0.00	0.00	0.00	0.050
	II	15	85.00	68.75	32.20	0.13	1.24	1.00	68.75	16.25	0.48	15.76	0.14	0.01	0.16	0.05	0.34	0.38	0.055
Des	I	15	20.00	77.19	47.97	0.19	0.26	0.33	25.47	-5.47	0.00	-5.47	0.00	0.11	0.11	0.03	0.00	0.03	0.050
	II	16	81.00	80.18	42.49	0.17	1.01	1.00	80.18	0.82	0.03	0.79	0.01	0.08	0.09	0.03	0.02	0.05	0.051

Tahun 2013

Bulan		Σhari	Hujan mm	PET mm	SMS mm	Sr	P/PET	AET/PET	AET mm	P - AET mm	excm mm	$\Delta_{Storage}$ mm	Rech mm	GWS_{awal} mm	GWS_{akhir} mm	GF mm	DF mm	$\Sigma aliran_{model}$ mm	Q_{model} m^3/detik
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20
Jan	I	15	273.00	76.42	200.00	0.80	3.57	1.00	76.42	196.58	60.60	135.98	18.18	0.06	18.24	5.47	42.42	47.89	0.682
	II	16	232.00	79.84	335.98	1.34	2.91	1.00	79.84	152.16	121.13	31.03	36.34	12.77	49.11	14.73	84.79	99.52	1.282
Peb	I	14	54.00	52.79	367.01	1.46	1.02	1.00	52.79	1.21	1.04	0.16	0.31	34.37	34.69	10.41	0.73	11.14	0.208
	II	14	138.00	65.44	367.17	1.46	2.11	1.00	65.44	72.56	62.78	9.78	18.84	24.28	43.12	12.93	43.95	56.88	0.855
Mar	I	15	55.00	70.64	376.94	1.50	0.78	0.95	66.76	-11.76	0.00	-11.76	0.00	30.18	30.18	9.05	0.00	9.05	0.170
	II	16	35.00	79.99	365.19	1.46	0.44	0.85	67.77	-32.77	0.00	-32.77	0.00	21.13	21.13	6.34	0.00	6.34	0.128
Apr	I	15	80.00	77.67	332.41	1.33	1.03	1.00	77.67	2.33	1.84	0.50	0.55	14.79	15.34	4.60	1.28	5.89	0.088
	II	15	74.00	80.55	332.91	1.33	0.92	0.97	78.35	-4.35	0.00	-4.35	0.00	10.74	10.74	3.22	0.00	3.22	0.053
Mei	I	15	0.00	66.73	328.56	1.31	0.00	0.66	43.74	-43.74	0.00	-43.74	0.00	7.52	7.52	2.25	0.00	2.25	0.040
	II	16	73.00	70.19	284.82	1.14	1.04	1.00	70.19	2.81	1.78	1.03	0.53	5.26	5.80	1.74	1.25	2.99	0.047
Jun	I	15	27.00	60.59	285.86	1.14	0.45	0.76	46.15	-19.15	0.00	-19.15	0.00	4.06	4.06	1.22	0.00	1.22	0.026
	II	15	51.00	61.07	266.70	1.06	0.84	0.92	56.36	-5.36	0.00	-5.36	0.00	2.84	2.84	0.85	0.00	0.85	0.021
Jul	I	15	24.00	55.40	261.34	1.04	0.43	0.73	40.37	-16.37	0.00	-16.37	0.00	1.99	1.99	0.60	0.00	0.60	0.018
	II	16	0.00	61.03	244.98	0.98	0.00	0.49	29.82	-29.82	0.00	-29.82	0.00	1.39	1.39	0.42	0.00	0.42	0.015
Ags	I	15	0.00	61.66	215.15	0.86	0.00	0.43	26.46	-26.46	0.00	-26.46	0.00	0.97	0.97	0.29	0.00	0.29	0.014
	II	16	0.00	69.07	188.69	0.75	0.00	0.38	26.00	-26.00	0.00	-26.00	0.00	0.68	0.68	0.20	0.00	0.20	0.013
Sep	I	15	0.00	69.26	162.69	0.65	0.00	0.32	22.48	-22.48	0.00	-22.48	0.00	0.48	0.48	0.14	0.00	0.14	0.012
	II	15	0.00	69.51	140.21	0.56	0.00	0.28	19.44	-19.44	0.00	-19.44	0.00	0.33	0.33	0.10	0.00	0.10	0.011
Okt	I	15	33.00	86.69	120.77	0.48	0.38	0.53	45.93	-12.93	0.00	-12.93	0.00	0.23	0.23	0.07	0.00	0.07	0.051
	II	16	301.00	92.61	107.83	0.43	3.25	1.00	92.61	208.39	19.35	189.04	5.81	0.16	5.97	1.79	13.55	15.34	0.240
Nop	I	15	21.00	88.20	296.87	1.18	0.24	0.69	60.80	-39.80	0.00	-39.80	0.00	4.18	4.18	1.25	0.00	1.25	0.067
	II	15	53.00	68.75	257.07	1.03	0.77	0.89	61.08	-8.08	0.00	-8.08	0.00	2.93	2.93	0.88	0.00	0.88	0.062
Des	I	15	448.00	77.19	248.99	0.99	5.80	1.00	77.19	370.81	182.97	187.84	54.89	2.05	56.94	17.08	128.08	145.16	1.966
	II	16	272.00	80.18	436.84	1.74	3.39	1.00	80.18	191.82	182.47	9.35	54.74	39.86	94.60	28.38	127.73	156.11	1.982

Tahun 2014

Bulan		Σhari	Hujan mm	PET mm	SMS mm	Sr	P/PET	AET/PET	AET mm	P - AET mm	excm mm	$\Delta_{Storage}$ mm	Rech mm	GWS_{awal} mm	GWS_{akhir} mm	GF mm	DF mm	$\Sigma aliran_{model}$ mm	Q_{model} m^3/detik
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20
Jan	I	15	39.00	76.42	200.00	0.80	0.51	0.71	53.93	-14.93	0.00	-14.93	0.00	66.22	66.22	19.87	0.00	19.87	0.312
	II	16	107.00	79.84	185.07	0.74	1.34	1.00	79.84	27.16	7.06	20.10	2.12	46.35	48.47	14.54	4.94	19.48	0.291
Peb	I	14	85.00	52.79	205.17	0.82	1.61	1.00	52.79	32.21	10.50	21.70	3.15	33.93	37.08	11.12	7.35	18.48	0.311
	II	14	21.00	65.44	226.87	0.91	0.32	0.63	41.11	-20.11	0.00	-20.11	0.00	25.96	25.96	7.79	0.00	7.79	0.160
Mar	I	15	19.00	70.64	206.76	0.82	0.27	0.57	40.30	-21.30	0.00	-21.30	0.00	18.17	18.17	5.45	0.00	5.45	0.122
	II	16	25.00	79.99	185.46	0.74	0.31	0.57	45.34	-20.34	0.00	-20.34	0.00	12.72	12.72	3.82	0.00	3.82	0.097
Apr	I	15	22.00	77.67	165.12	0.66	0.28	0.52	40.34	-18.34	0.00	-18.34	0.00	8.90	8.90	2.67	0.00	2.67	0.045
	II	15	5.00	80.55	146.78	0.59	0.06	0.34	27.12	-22.12	0.00	-22.12	0.00	6.23	6.23	1.87	0.00	1.87	0.035
Mei	I	15	0.00	66.73	124.66	0.50	0.00	0.25	16.59	-16.59	0.00	-16.59	0.00	4.36	4.36	1.31	0.00	1.31	0.027
	II	16	4.00	70.19	108.06	0.43	0.06	0.26	18.27	-14.27	0.00	-14.27	0.00	3.05	3.05	0.92	0.00	0.92	0.021
Jun	I	15	0.00	60.59	93.80	0.37	0.00	0.19	11.34	-11.34	0.00	-11.34	0.00	2.14	2.14	0.64	0.00	0.64	0.018
	II	15	4.00	61.07	82.46	0.33	0.07	0.22	13.39	-9.39	0.00	-9.39	0.00	1.50	1.50	0.45	0.00	0.45	0.016
Jul	I	15	0.00	55.40	73.07	0.29	0.00	0.15	8.08	-8.08	0.00	-8.08	0.00	1.05	1.05	0.31	0.00	0.31	0.014
	II	16	0.00	61.03	65.00	0.26	0.00	0.13	7.91	-7.91	0.00	-7.91	0.00	0.73	0.73	0.22	0.00	0.22	0.013
Ags	I	15	0.00	61.66	57.08	0.23	0.00	0.11	7.02	-7.02	0.00	-7.02	0.00	0.51	0.51	0.15	0.00	0.15	0.012
	II	16	0.00	69.07	50.06	0.20	0.00	0.10	6.90	-6.90	0.00	-6.90	0.00	0.36	0.36	0.11	0.00	0.11	0.011
Sep	I	15	0.00	69.26	43.16	0.17	0.00	0.09	5.96	-5.96	0.00	-5.96	0.00	0.25	0.25	0.08	0.00	0.08	0.011
	II	15	0.00	69.51	37.20	0.15	0.00	0.07	5.16	-5.16	0.00	-5.16	0.00	0.18	0.18	0.05	0.00	0.05	0.011
Okt	I	15	0.00	86.69	32.04	0.13	0.00	0.06	5.54	-5.54	0.00	-5.54	0.00	0.12	0.12	0.04	0.00	0.04	0.050
	II	16	0.00	92.61	26.50	0.11	0.00	0.05	4.90	-4.90	0.00	-4.90	0.00	0.09	0.09	0.03	0.00	0.03	0.050
Nop	I	15	6.00	88.20	21.60	0.09	0.07	0.11	9.54	-3.54	0.00	-3.54	0.00	0.06	0.06	0.02	0.00	0.02	0.050
	II	15	20.00	68.75	18.06	0.07	0.29	0.32	21.76	-1.76	0.00	-1.76	0.00	0.04	0.04	0.01	0.00	0.01	0.050
Des	I	15	106.00	77.19	16.30	0.07	1.37	1.00	77.19	28.81	0.67	28.15	0.20	0.03	0.23	0.07	0.47	0.54	0.057
	II	16	76.00	80.18	44.45	0.18	0.95	0.95	76.37	-0.37	0.00	-0.37	0.00	0.16	0.16	0.05	0.00	0.05	0.051

Tahun 2015

Bulan		Σhari	Hujan mm	PET mm	SMS mm	Sr	P/PET	AET/PET	AET mm	P - AET mm	excm mm	$\Delta_{Storage}$ mm	Rech mm	GWS_{awal} mm	GWS_{akhir} mm	GF mm	DF mm	$\Sigma aliran_{model}$ mm	Q_{model} m^3/detik
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20
Jan	I	15	21.00	76.42	200.00	0.80	0.27	0.56	43.11	-22.11	0.00	-22.11	0.00	0.11	0.11	0.03	0.00	0.03	0.050
	II	16	40.00	79.84	177.89	0.71	0.50	0.68	54.14	-14.14	0.00	-14.14	0.00	0.08	0.08	0.02	0.00	0.02	0.050
Peb	I	14	114.00	52.79	163.75	0.65	2.16	1.00	52.79	61.21	12.24	48.97	3.67	0.06	3.73	1.12	8.57	9.68	0.187
	II	14	0.00	65.44	212.72	0.85	0.00	0.42	27.77	-27.77	0.00	-27.77	0.00	2.61	2.61	0.78	0.00	0.78	0.061
Mar	I	15	41.00	70.64	184.95	0.74	0.58	0.74	51.93	-10.93	0.00	-10.93	0.00	1.83	1.83	0.55	0.00	0.55	0.057
	II	16	46.00	79.99	174.01	0.69	0.58	0.72	57.80	-11.80	0.00	-11.80	0.00	1.28	1.28	0.38	0.00	0.38	0.055
Apr	I	15	16.00	77.67	162.22	0.65	0.21	0.46	35.96	-19.96	0.00	-19.96	0.00	0.89	0.89	0.27	0.00	0.27	0.014
	II	15	44.00	80.55	142.26	0.57	0.55	0.68	54.37	-10.37	0.00	-10.37	0.00	0.63	0.63	0.19	0.00	0.19	0.012
Mei	I	15	6.00	66.73	131.89	0.53	0.09	0.33	21.98	-15.98	0.00	-15.98	0.00	0.44	0.44	0.13	0.00	0.13	0.012
	II	16	2.00	70.19	115.91	0.46	0.03	0.25	17.77	-15.77	0.00	-15.77	0.00	0.31	0.31	0.09	0.00	0.09	0.011
Jun	I	15	0.00	60.59	100.14	0.40	0.00	0.20	12.10	-12.10	0.00	-12.10	0.00	0.21	0.21	0.06	0.00	0.06	0.011
	II	15	0.00	61.07	88.04	0.35	0.00	0.18	10.73	-10.73	0.00	-10.73	0.00	0.15	0.15	0.05	0.00	0.05	0.011
Jul	I	15	0.00	55.40	77.31	0.31	0.00	0.15	8.54	-8.54	0.00	-8.54	0.00	0.11	0.11	0.03	0.00	0.03	0.010
	II	16	0.00	61.03	68.77	0.27	0.00	0.14	8.37	-8.37	0.00	-8.37	0.00	0.07	0.07	0.02	0.00	0.02	0.010
Ags	I	15	0.00	61.66	60.40	0.24	0.00	0.12	7.43	-7.43	0.00	-7.43	0.00	0.05	0.05	0.02	0.00	0.02	0.010
	II	16	0.00	69.07	52.97	0.21	0.00	0.11	7.30	-7.30	0.00	-7.30	0.00	0.04	0.04	0.01	0.00	0.01	0.010
Sep	I	15	0.00	69.26	45.67	0.18	0.00	0.09	6.31	-6.31	0.00	-6.31	0.00	0.03	0.03	0.01	0.00	0.01	0.010
	II	15	0.00	69.51	39.36	0.16	0.00	0.08	5.46	-5.46	0.00	-5.46	0.00	0.02	0.02	0.01	0.00	0.01	0.010
Okt	I	15	0.00	86.69	33.90	0.14	0.00	0.07	5.86	-5.86	0.00	-5.86	0.00	0.01	0.01	0.00	0.00	0.00	0.050
	II	16	0.00	92.61	28.04	0.11	0.00	0.06	5.18	-5.18	0.00	-5.18	0.00	0.01	0.01	0.00	0.00	0.00	0.050
Nop	I	15	2.00	88.20	22.86	0.09	0.02	0.07	5.93	-3.93	0.00	-3.93	0.00	0.01	0.01	0.00	0.00	0.00	0.050
	II	15	18.00	68.75	18.93	0.08	0.26	0.29	19.92	-1.92	0.00	-1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.050
Des	I	15	20.00	77.19	17.01	0.07	0.26	0.28	21.94	-1.94	0.00	-1.94	0.00	0.00	0.00	0.00	0.00	0.00	0.050
	II	16	30.00	80.18	15.07	0.06	0.37	0.39	31.51	-1.51	0.00	-1.51	0.00	0.00	0.00	0.00	0.00	0.00	0.050

Tahun 2016

Bulan		Σhari	Hujan mm	PET mm	SMS mm	Sr	P/PET	AET/PET	AET mm	P - AET mm	excm mm	$\Delta_{Storage}$ mm	Rech mm	GWS_{awal} mm	GWS_{akhir} mm	GF mm	DF mm	$\Sigma aliran_{model}$ mm	Q_{model} m^3/detik
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20
Jan	I	15	9.00	76.42	200.00	0.80	0.12	0.47	35.90	-26.90	0.00	-26.90	0.00	0.00	0.00	0.00	0.00	0.00	0.050
	II	16	39.00	79.84	173.10	0.69	0.49	0.67	53.10	-14.10	0.00	-14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.050
Peb	I	14	89.00	52.79	159.00	0.63	1.69	1.00	52.79	36.21	6.81	29.40	2.04	0.00	2.04	0.61	4.77	5.38	0.126
	II	14	41.00	65.44	188.39	0.75	0.63	0.77	50.18	-9.18	0.00	-9.18	0.00	1.43	1.43	0.43	0.00	0.43	0.056
Mar	I	15	30.00	70.64	179.21	0.71	0.42	0.63	44.53	-14.53	0.00	-14.53	0.00	1.00	1.00	0.30	0.00	0.30	0.054
	II	16	9.00	79.99	164.68	0.66	0.11	0.40	32.32	-23.32	0.00	-23.32	0.00	0.70	0.70	0.21	0.00	0.21	0.053
Apr	I	15	62.00	77.67	141.36	0.56	0.80	0.86	66.42	-4.42	0.00	-4.42	0.00	0.49	0.49	0.15	0.00	0.15	0.012
	II	15	0.00	80.55	136.94	0.55	0.00	0.27	22.01	-22.01	0.00	-22.01	0.00	0.34	0.34	0.10	0.00	0.10	0.011
Mei	I	15	0.00	66.73	114.94	0.46	0.00	0.23	15.30	-15.30	0.00	-15.30	0.00	0.24	0.24	0.07	0.00	0.07	0.011
	II	16	4.00	70.19	99.64	0.40	0.06	0.24	17.16	-13.16	0.00	-13.16	0.00	0.17	0.17	0.05	0.00	0.05	0.011
Jun	I	15	45.00	60.59	86.48	0.35	0.74	0.79	47.69	-2.69	0.00	-2.69	0.00	0.12	0.12	0.04	0.00	0.04	0.010
	II	15	34.00	61.07	83.79	0.33	0.56	0.63	38.52	-4.52	0.00	-4.52	0.00	0.08	0.08	0.02	0.00	0.02	0.010
Jul	I	15	64.00	55.40	79.27	0.32	1.16	1.00	55.40	8.60	0.52	8.08	0.16	0.06	0.22	0.06	0.37	0.43	0.016
	II	16	244.00	61.03	87.35	0.35	4.00	1.00	61.03	182.97	12.58	170.39	3.77	0.15	3.92	1.18	8.81	9.98	0.134
Ags	I	15	4.00	61.66	257.74	1.03	0.06	0.55	33.65	-29.65	0.00	-29.65	0.00	2.75	2.75	0.82	0.00	0.82	0.021
	II	16	0.00	69.07	228.09	0.91	0.00	0.46	31.43	-31.43	0.00	-31.43	0.00	1.92	1.92	0.58	0.00	0.58	0.017
Sep	I	15	0.00	69.26	196.66	0.78	0.00	0.39	27.17	-27.17	0.00	-27.17	0.00	1.35	1.35	0.40	0.00	0.40	0.015
	II	15	3.00	69.51	169.49	0.68	0.04	0.37	25.49	-22.49	0.00	-22.49	0.00	0.94	0.94	0.28	0.00	0.28	0.014
Okt	I	15	26.00	86.69	147.00	0.59	0.30	0.51	43.80	-17.80	0.00	-17.80	0.00	0.66	0.66	0.20	0.00	0.20	0.053
	II	16	50.00	92.61	129.20	0.52	0.54	0.66	60.98	-10.98	0.00	-10.98	0.00	0.46	0.46	0.14	0.00	0.14	0.052
Nop	I	15	19.00	88.20	118.22	0.47	0.22	0.40	35.32	-16.32	0.00	-16.32	0.00	0.32	0.32	0.10	0.00	0.10	0.051
	II	15	42.00	68.75	101.90	0.41	0.61	0.69	47.44	-5.44	0.00	-5.44	0.00	0.23	0.23	0.07	0.00	0.07	0.051
Des	I	15	51.00	77.19	96.46	0.38	0.66	0.73	56.04	-5.04	0.00	-5.04	0.00	0.16	0.16	0.05	0.00	0.05	0.051
	II	16	20.00	80.18	91.42	0.36	0.25	0.39	30.98	-10.98	0.00	-10.98	0.00	0.11	0.11	0.03	0.00	0.03	0.050

Tahun 2017

Bulan		Σhari	Hujan mm	PET mm	SMS mm	Sr	P/PET	AET/PET	AET mm	P - AET mm	excm mm	$\Delta_{Storage}$ mm	Rech mm	GWS_{awal} mm	GWS_{akhir} mm	GF mm	DF mm	$\Sigma aliran_{model}$ mm	Q_{model} m^3/detik
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20
Jan	I	15	14.00	76.42	200.00	0.80	0.18	0.51	38.91	-24.91	0.00	-24.91	0.00	0.08	0.08	0.02	0.00	0.02	0.050
	II	16	100.00	79.84	175.09	0.70	1.25	1.00	79.84	20.16	4.65	15.51	1.39	0.05	1.45	0.43	3.25	3.69	0.096
Peb	I	14	58.00	52.79	190.61	0.76	1.10	1.00	52.79	5.21	1.44	3.76	0.43	1.01	1.45	0.43	1.01	1.44	0.070
	II	14	0.00	65.44	194.37	0.78	0.00	0.39	25.37	-25.37	0.00	-25.37	0.00	1.01	1.01	0.30	0.00	0.30	0.054
Mar	I	15	20.00	70.64	168.99	0.67	0.28	0.52	37.07	-17.07	0.00	-17.07	0.00	0.71	0.71	0.21	0.00	0.21	0.053
	II	16	63.00	79.99	151.92	0.61	0.79	0.85	68.15	-5.15	0.00	-5.15	0.00	0.50	0.50	0.15	0.00	0.15	0.052
Apr	I	15	4.00	77.67	146.78	0.59	0.05	0.33	25.57	-21.57	0.00	-21.57	0.00	0.35	0.35	0.10	0.00	0.10	0.011
	II	15	8.00	80.55	125.21	0.50	0.10	0.32	26.12	-18.12	0.00	-18.12	0.00	0.24	0.24	0.07	0.00	0.07	0.011
Mei	I	15	15.00	66.73	107.08	0.43	0.22	0.39	26.05	-11.05	0.00	-11.05	0.00	0.17	0.17	0.05	0.00	0.05	0.011
	II	16	18.00	70.19	96.03	0.38	0.26	0.40	28.00	-10.00	0.00	-10.00	0.00	0.12	0.12	0.04	0.00	0.04	0.010
Jun	I	15	9.00	60.59	86.04	0.34	0.15	0.29	17.85	-8.85	0.00	-8.85	0.00	0.08	0.08	0.03	0.00	0.03	0.010
	II	15	7.00	61.07	77.18	0.31	0.11	0.25	15.32	-8.32	0.00	-8.32	0.00	0.06	0.06	0.02	0.00	0.02	0.010
Jul	I	15	4.00	55.40	68.86	0.27	0.07	0.20	11.06	-7.06	0.00	-7.06	0.00	0.04	0.04	0.01	0.00	0.01	0.010
	II	16	0.00	61.03	61.80	0.25	0.00	0.12	7.52	-7.52	0.00	-7.52	0.00	0.03	0.03	0.01	0.00	0.01	0.010
Ags	I	15	0.00	61.66	54.27	0.22	0.00	0.11	6.68	-6.68	0.00	-6.68	0.00	0.02	0.02	0.01	0.00	0.01	0.010
	II	16	0.00	69.07	47.60	0.19	0.00	0.09	6.56	-6.56	0.00	-6.56	0.00	0.01	0.01	0.00	0.00	0.00	0.010
Sep	I	15	0.00	69.26	41.04	0.16	0.00	0.08	5.67	-5.67	0.00	-5.67	0.00	0.01	0.01	0.00	0.00	0.00	0.010
	II	15	26.00	69.51	35.37	0.14	0.37	0.42	29.07	-3.07	0.00	-3.07	0.00	0.01	0.01	0.00	0.00	0.00	0.010
Okt	I	15	45.00	86.69	32.30	0.13	0.52	0.55	47.69	-2.69	0.00	-2.69	0.00	0.00	0.00	0.00	0.00	0.00	0.050
	II	16	0.00	92.61	29.61	0.12	0.00	0.06	5.47	-5.47	0.00	-5.47	0.00	0.00	0.00	0.00	0.00	0.00	0.050
Nop	I	15	12.00	88.20	24.14	0.10	0.14	0.18	15.67	-3.67	0.00	-3.67	0.00	0.00	0.00	0.00	0.00	0.00	0.050
	II	15	48.00	68.75	20.47	0.08	0.70	0.71	48.85	-0.85	0.00	-0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.050
Des	I	15	6.00	77.19	19.62	0.08	0.08	0.11	8.79	-2.79	0.00	-2.79	0.00	0.00	0.00	0.00	0.00	0.00	0.050
	II	16	77.00	80.18	16.84	0.07	0.96	0.96	77.11	-0.11	0.00	-0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.050

Tahun 2018

Bulan		Σhari	Hujan mm	PET mm	SMS mm	Sr	P/PET	AET/PET	AET mm	P - AET mm	excm mm	$\Delta_{Storage}$ mm	Rech mm	GWS_{awal} mm	GWS_{akhir} mm	GF mm	DF mm	$\Sigma aliran_{model}$ mm	Q_{model} m^3/detik
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20
Jan	I	15	188.00	76.42	200.00	0.80	2.46	1.00	76.42	111.58	34.40	77.18	10.32	0.00	10.32	3.10	24.08	27.17	0.409
	II	16	170.00	79.84	277.18	1.11	2.13	1.00	79.84	90.16	54.48	35.67	16.35	7.22	23.57	7.07	38.14	45.21	0.610
Peb	I	14	49.00	52.79	312.85	1.25	0.93	0.97	51.37	-2.37	0.00	-2.37	0.00	16.50	16.50	4.95	0.00	4.95	0.120
	II	14	18.00	65.44	310.48	1.24	0.28	0.72	47.38	-29.38	0.00	-29.38	0.00	11.55	11.55	3.46	0.00	3.46	0.099
Mar	I	15	48.00	70.64	281.10	1.12	0.68	0.86	60.69	-12.69	0.00	-12.69	0.00	8.08	8.08	2.43	0.00	2.43	0.082
	II	16	0.00	79.99	268.41	1.07	0.00	0.54	42.83	-42.83	0.00	-42.83	0.00	5.66	5.66	1.70	0.00	1.70	0.071
Apr	I	15	0.00	77.67	225.58	0.90	0.00	0.45	34.95	-34.95	0.00	-34.95	0.00	3.96	3.96	1.19	0.00	1.19	0.026
	II	15	8.00	80.55	190.63	0.76	0.10	0.44	35.59	-27.59	0.00	-27.59	0.00	2.77	2.77	0.83	0.00	0.83	0.021
Mei	I	15	0.00	66.73	163.04	0.65	0.00	0.33	21.70	-21.70	0.00	-21.70	0.00	1.94	1.94	0.58	0.00	0.58	0.018
	II	16	0.00	70.19	141.33	0.56	0.00	0.28	19.79	-19.79	0.00	-19.79	0.00	1.36	1.36	0.41	0.00	0.41	0.015
Jun	I	15	0.00	60.59	121.55	0.48	0.00	0.24	14.69	-14.69	0.00	-14.69	0.00	0.95	0.95	0.29	0.00	0.29	0.014
	II	15	0.00	61.07	106.85	0.43	0.00	0.21	13.02	-13.02	0.00	-13.02	0.00	0.67	0.67	0.20	0.00	0.20	0.013
Jul	I	15	0.00	55.40	93.84	0.37	0.00	0.19	10.37	-10.37	0.00	-10.37	0.00	0.47	0.47	0.14	0.00	0.14	0.012
	II	16	0.00	61.03	83.47	0.33	0.00	0.17	10.16	-10.16	0.00	-10.16	0.00	0.33	0.33	0.10	0.00	0.10	0.011
Ags	I	15	0.00	61.66	73.31	0.29	0.00	0.15	9.02	-9.02	0.00	-9.02	0.00	0.23	0.23	0.07	0.00	0.07	0.011
	II	16	0.00	69.07	64.29	0.26	0.00	0.13	8.86	-8.86	0.00	-8.86	0.00	0.16	0.16	0.05	0.00	0.05	0.011
Sep	I	15	0.00	69.26	55.43	0.22	0.00	0.11	7.66	-7.66	0.00	-7.66	0.00	0.11	0.11	0.03	0.00	0.03	0.010
	II	15	0.00	69.51	47.77	0.19	0.00	0.10	6.62	-6.62	0.00	-6.62	0.00	0.08	0.08	0.02	0.00	0.02	0.010
Okt	I	15	0.00	86.69	41.15	0.16	0.00	0.08	7.12	-7.12	0.00	-7.12	0.00	0.05	0.05	0.02	0.00	0.02	0.050
	II	16	0.00	92.61	34.03	0.14	0.00	0.07	6.29	-6.29	0.00	-6.29	0.00	0.04	0.04	0.01	0.00	0.01	0.050
Nop	I	15	18.00	88.20	27.74	0.11	0.20	0.25	21.89	-3.89	0.00	-3.89	0.00	0.03	0.03	0.01	0.00	0.01	0.050
	II	15	3.00	68.75	23.86	0.10	0.04	0.09	6.13	-3.13	0.00	-3.13	0.00	0.02	0.02	0.01	0.00	0.01	0.050
Des	I	15	15.00	77.19	20.73	0.08	0.19	0.23	17.57	-2.57	0.00	-2.57	0.00	0.01	0.01	0.00	0.00	0.00	0.050
	II	16	10.00	80.18	18.16	0.07	0.12	0.16	12.54	-2.54	0.00	-2.54	0.00	0.01	0.01	0.00	0.00	0.00	0.050

Tahun 2019

Bulan		Σhari	Hujan mm	PET mm	SMS mm	Sr	P/PET	AET/PET	AET mm	P - AET mm	excm mm	$\Delta_{Storage}$ mm	Rech mm	GWS_{awal} mm	GWS_{akhir} mm	GF mm	DF mm	$\Sigma aliran_{model}$ mm	Q_{model} m^3/detik
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20
Jan	I	15	29.00	76.42	200.00	0.80	0.38	0.63	47.92	-18.92	0.00	-18.92	0.00	0.01	0.01	0.00	0.00	0.00	0.050
	II	16	57.00	79.84	181.08	0.72	0.71	0.82	65.25	-8.25	0.00	-8.25	0.00	0.00	0.00	0.00	0.00	0.00	0.050
Peb	I	14	64.00	52.79	172.83	0.69	1.21	1.00	52.79	11.21	2.51	8.69	0.75	0.00	0.76	0.23	1.76	1.98	0.078
	II	14	34.00	65.44	181.52	0.72	0.52	0.69	45.38	-11.38	0.00	-11.38	0.00	0.53	0.53	0.16	0.00	0.16	0.052
Mar	I	15	36.00	70.64	170.14	0.68	0.51	0.68	47.76	-11.76	0.00	-11.76	0.00	0.37	0.37	0.11	0.00	0.11	0.051
	II	16	0.00	79.99	158.38	0.63	0.00	0.32	25.27	-25.27	0.00	-25.27	0.00	0.26	0.26	0.08	0.00	0.08	0.051
Apr	I	15	10.00	77.67	133.11	0.53	0.13	0.36	27.97	-17.97	0.00	-17.97	0.00	0.18	0.18	0.05	0.00	0.05	0.011
	II	15	0.00	80.55	115.14	0.46	0.00	0.23	18.50	-18.50	0.00	-18.50	0.00	0.13	0.13	0.04	0.00	0.04	0.011
Mei	I	15	0.00	66.73	96.64	0.39	0.00	0.19	12.86	-12.86	0.00	-12.86	0.00	0.09	0.09	0.03	0.00	0.03	0.010
	II	16	0.00	70.19	83.77	0.33	0.00	0.17	11.73	-11.73	0.00	-11.73	0.00	0.06	0.06	0.02	0.00	0.02	0.010
Jun	I	15	0.00	60.59	72.04	0.29	0.00	0.14	8.71	-8.71	0.00	-8.71	0.00	0.04	0.04	0.01	0.00	0.01	0.010
	II	15	0.00	61.07	63.34	0.25	0.00	0.13	7.72	-7.72	0.00	-7.72	0.00	0.03	0.03	0.01	0.00	0.01	0.010
Jul	I	15	0.00	55.40	55.62	0.22	0.00	0.11	6.15	-6.15	0.00	-6.15	0.00	0.02	0.02	0.01	0.00	0.01	0.010
	II	16	0.00	61.03	49.47	0.20	0.00	0.10	6.02	-6.02	0.00	-6.02	0.00	0.01	0.01	0.00	0.00	0.00	0.010
Ags	I	15	0.00	61.66	43.45	0.17	0.00	0.09	5.34	-5.34	0.00	-5.34	0.00	0.01	0.01	0.00	0.00	0.00	0.010
	II	16	0.00	69.07	38.11	0.15	0.00	0.08	5.25	-5.25	0.00	-5.25	0.00	0.01	0.01	0.00	0.00	0.00	0.010
Sep	I	15	0.00	69.26	32.86	0.13	0.00	0.07	4.54	-4.54	0.00	-4.54	0.00	0.01	0.01	0.00	0.00	0.00	0.010
	II	15	0.00	69.51	28.32	0.11	0.00	0.06	3.93	-3.93	0.00	-3.93	0.00	0.00	0.00	0.00	0.00	0.00	0.010
Okt	I	15	0.00	86.69	24.39	0.10	0.00	0.05	4.22	-4.22	0.00	-4.22	0.00	0.00	0.00	0.00	0.00	0.00	0.050
	II	16	0.00	92.61	20.17	0.08	0.00	0.04	3.73	-3.73	0.00	-3.73	0.00	0.00	0.00	0.00	0.00	0.00	0.050
Nop	I	15	2.00	88.20	16.45	0.07	0.02	0.05	4.83	-2.83	0.00	-2.83	0.00	0.00	0.00	0.00	0.00	0.00	0.050
	II	15	0.00	68.75	13.62	0.05	0.00	0.03	1.87	-1.87	0.00	-1.87	0.00	0.00	0.00	0.00	0.00	0.00	0.050
Des	I	15	20.00	77.19	11.75	0.05	0.26	0.28	21.34	-1.34	0.00	-1.34	0.00	0.00	0.00	0.00	0.00	0.00	0.050
	II	16	48.00	80.18	10.41	0.04	0.60	0.61	48.67	-0.67	0.00	-0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.050

Tahun 2020

Bulan		Σhari	Hujan mm	PET mm	SMS mm	Sr	P/PET	AET/PET	AET mm	P - AET mm	excm mm	$\Delta_{Storage}$ mm	Rech mm	GWS_{awal} mm	GWS_{akhir} mm	GF mm	DF mm	$\Sigma aliran_{model}$ mm	Q_{model} m^3/detik
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20
Jan	I	15	3.00	76.42	200.00	0.80	0.04	0.42	32.29	-29.29	0.00	-29.29	0.00	0.00	0.00	0.00	0.00	0.00	0.050
	II	16	2.00	79.84	170.71	0.68	0.03	0.36	28.51	-26.51	0.00	-26.51	0.00	0.00	0.00	0.00	0.00	0.00	0.050
Peb	I	14	51.00	52.79	144.20	0.58	0.97	0.98	51.52	-0.52	0.00	-0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.050
	II	14	16.00	65.44	143.68	0.57	0.24	0.46	30.17	-14.17	0.00	-14.17	0.00	0.00	0.00	0.00	0.00	0.00	0.050
Mar	I	15	76.00	70.64	129.51	0.52	1.08	1.00	70.64	5.36	0.68	4.68	0.20	0.00	0.20	0.06	0.47	0.54	0.057
	II	16	144.00	79.99	134.19	0.54	1.80	1.00	79.99	64.01	8.64	55.38	2.59	0.14	2.73	0.82	6.04	6.86	0.135
Apr	I	15	35.00	77.67	189.57	0.76	0.45	0.66	51.14	-16.14	0.00	-16.14	0.00	1.91	1.91	0.57	0.00	0.57	0.018
	II	15	2.00	80.55	173.44	0.69	0.02	0.36	29.18	-27.18	0.00	-27.18	0.00	1.34	1.34	0.40	0.00	0.40	0.015
Mei	I	15	1.00	66.73	146.26	0.58	0.01	0.30	20.18	-19.18	0.00	-19.18	0.00	0.94	0.94	0.28	0.00	0.28	0.014
	II	16	20.00	70.19	127.08	0.51	0.28	0.47	32.72	-12.72	0.00	-12.72	0.00	0.66	0.66	0.20	0.00	0.20	0.012
Jun	I	15	10.00	60.59	114.36	0.46	0.17	0.36	21.54	-11.54	0.00	-11.54	0.00	0.46	0.46	0.14	0.00	0.14	0.012
	II	15	0.00	61.07	102.82	0.41	0.00	0.21	12.53	-12.53	0.00	-12.53	0.00	0.32	0.32	0.10	0.00	0.10	0.011
Jul	I	15	0.00	55.40	90.29	0.36	0.00	0.18	9.98	-9.98	0.00	-9.98	0.00	0.23	0.23	0.07	0.00	0.07	0.011
	II	16	0.00	61.03	80.31	0.32	0.00	0.16	9.78	-9.78	0.00	-9.78	0.00	0.16	0.16	0.05	0.00	0.05	0.011
Ags	I	15	2.00	61.66	70.54	0.28	0.03	0.17	10.39	-8.39	0.00	-8.39	0.00	0.11	0.11	0.03	0.00	0.03	0.010
	II	16	2.00	69.07	62.14	0.25	0.03	0.15	10.31	-8.31	0.00	-8.31	0.00	0.08	0.08	0.02	0.00	0.02	0.010
Sep	I	15	0.00	69.26	53.83	0.21	0.00	0.11	7.44	-7.44	0.00	-7.44	0.00	0.05	0.05	0.02	0.00	0.02	0.010
	II	15	6.00	69.51	46.39	0.19	0.09	0.17	11.88	-5.88	0.00	-5.88	0.00	0.04	0.04	0.01	0.00	0.01	0.010
Okt	I	15	20.00	86.69	40.51	0.16	0.23	0.29	25.39	-5.39	0.00	-5.39	0.00	0.03	0.03	0.01	0.00	0.01	0.050
	II	16	120.00	92.61	35.12	0.14	1.30	1.00	92.61	27.39	0.85	26.54	0.26	0.02	0.27	0.08	0.60	0.68	0.058
Nop	I	15	73.00	88.20	61.66	0.25	0.83	0.85	74.87	-1.87	0.00	-1.87	0.00	0.19	0.19	0.06	0.00	0.06	0.051
	II	15	30.00	68.75	59.79	0.24	0.44	0.50	34.62	-4.62	0.00	-4.62	0.00	0.13	0.13	0.04	0.00	0.04	0.051
Des	I	15	114.00	77.19	55.17	0.22	1.48	1.00	77.19	36.81	1.56	35.26	0.47	0.09	0.56	0.17	1.09	1.26	0.067
	II	16	27.00	80.18	90.43	0.36	0.34	0.46	36.59	-9.59	0.00	-9.59	0.00	0.39	0.39	0.12	0.00	0.12	0.051

POTENSI INFLOW EMBUNG AI MUAL

Nama Bangunan : Embung Al Mual
Catchment Area : 17.11 km^2
Hujan Tahunan : 753.20 mm/thn
Potensi Inflow : 3.201 juta m^3

m3/dt

No	Tahun	Jan		Feb		Mar		Apr		Mei		Jun		Jul		Agust		Sep		Okt		Nop		Des	
		I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
1	2011	2.030	1.473	1.101	0.786	0.531	0.365	0.246	0.175	0.125	0.086	0.067	0.050	0.038	0.028	0.024	0.019	0.017	0.015	0.053	0.052	0.052	0.051	0.051	0.051
2	2012	0.050	0.128	0.057	0.055	0.081	0.130	0.020	0.017	0.015	0.013	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.050	0.050	0.050	0.055	0.050	0.051
3	2013	0.682	1.282	0.208	0.855	0.170	0.128	0.088	0.053	0.040	0.047	0.026	0.021	0.018	0.015	0.014	0.013	0.012	0.011	0.051	0.240	0.067	0.062	1.966	1.982
4	2014	0.312	0.291	0.311	0.160	0.122	0.097	0.045	0.035	0.027	0.021	0.018	0.016	0.014	0.013	0.012	0.011	0.011	0.011	0.050	0.050	0.050	0.050	0.057	0.051
5	2015	0.050	0.050	0.187	0.061	0.057	0.055	0.014	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.010	0.010	0.010	0.050	0.050	0.050	0.050	0.050	0.050
6	2016	0.050	0.050	0.126	0.056	0.054	0.053	0.012	0.011	0.011	0.011	0.010	0.010	0.016	0.134	0.021	0.017	0.015	0.014	0.053	0.052	0.051	0.051	0.051	0.050
7	2017	0.050	0.096	0.070	0.054	0.053	0.052	0.011	0.011	0.011	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.050	0.050	0.050	0.050	0.050	0.050
8	2018	0.409	0.610	0.120	0.099	0.082	0.071	0.026	0.021	0.018	0.015	0.014	0.013	0.012	0.011	0.011	0.011	0.010	0.010	0.050	0.050	0.050	0.050	0.050	0.050
9	2019	0.050	0.050	0.078	0.052	0.051	0.051	0.011	0.011	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.050	0.050	0.050	0.050	0.050	0.050
10	2020	0.050	0.050	0.050	0.050	0.057	0.135	0.018	0.015	0.014	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.010	0.050	0.058	0.051	0.051	0.067	0.051
Rerata		0.373	0.408	0.231	0.223	0.126	0.114	0.049	0.036	0.028	0.024	0.019	0.016	0.015	0.025	0.013	0.012	0.012	0.011	0.051	0.070	0.052	0.052	0.244	0.244

Sumber : Hasil Perhitungan

juta m3

No	Tahun	Jan		Feb		Mar		Apr		Mei		Jun		Jul		Agust		Sep		Okt		Nop		Des		Jml.
		I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	
1	2011	2.63	2.04	1.33	0.95	0.69	0.47	0.32	0.23	0.16	0.12	0.09	0.06	0.05	0.04	0.03	0.03	0.02	0.02	0.07	0.07	0.07	0.07	0.07	0.07	9.682
2	2012	0.07	0.18	0.07	0.07	0.10	0.17	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.07	0.06	0.07	0.07	0.07	1.256
3	2013	0.88	1.77	0.25	1.03	0.22	0.17	0.11	0.07	0.05	0.06	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.07	0.33	0.09	0.08	2.55	2.74	10.648
4	2014	0.40	0.40	0.38	0.19	0.16	0.13	0.06	0.04	0.04	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.07	0.07	0.07	0.07	0.07	0.07	2.379
5	2015	0.07	0.07	0.23	0.07	0.07	0.07	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.07	0.06	0.06	0.06	0.07	1.151
6	2016	0.06	0.07	0.15	0.07	0.07	0.07	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.18	0.03	0.02	0.02	0.02	0.07	0.07	0.07	0.07	0.07	0.07	1.279
7	2017	0.07	0.13	0.09	0.07	0.07	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.07	0.06	0.06	0.06	0.07	1.045
8	2018	0.53	0.84	0.15	0.12	0.11	0.09	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.07	0.07	0.06	0.06	0.06	0.07	2.459
9	2019	0.06	0.07	0.09	0.06	0.07	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.07	0.06	0.06	0.06	0.07	0.983
10	2020	0.06	0.07	0.06	0.06	0.07	0.17	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.08	0.07	0.07	0.09	0.07	1.129
Rerata		0.484	0.564	0.279	0.270	0.163	0.147	0.063	0.047	0.037	0.033	0.025	0.021	0.019	0.035	0.017	0.017	0.015	0.014	0.066	0.097	0.067	0.067	0.316	0.337	3.201

Sumber : Hasil Perhitungan

POTENSI INFLOW ANDALAN EMBUNG AI MUAL (BASIC MONTH)

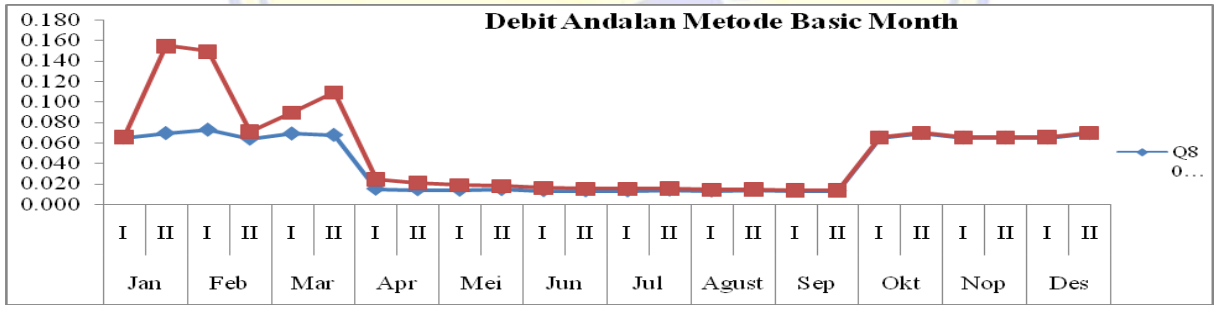
m3/dt

No	Prob.	Jan		Feb		Mar		Apr		Mei		Jun		Jul		Agust		Sep		Okt		Nop		Des	
		I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
1	9%	2.030	1.473	1.101	0.855	0.531	0.365	0.246	0.175	0.125	0.086	0.067	0.050	0.038	0.134	0.024	0.019	0.017	0.015	0.053	0.240	0.067	0.062	1.966	1.982
2	18%	0.682	1.282	0.311	0.786	0.170	0.135	0.088	0.053	0.040	0.047	0.026	0.021	0.018	0.028	0.021	0.017	0.015	0.014	0.053	0.058	0.052	0.055	0.067	0.051
3	27%	0.409	0.610	0.208	0.160	0.122	0.130	0.045	0.035	0.027	0.021	0.018	0.016	0.016	0.015	0.014	0.013	0.012	0.011	0.051	0.052	0.051	0.051	0.057	0.051
4	36%	0.312	0.291	0.187	0.099	0.082	0.128	0.026	0.021	0.018	0.015	0.014	0.013	0.014	0.013	0.012	0.011	0.011	0.011	0.050	0.052	0.051	0.051	0.051	0.051
5	45%	0.050	0.128	0.126	0.061	0.081	0.097	0.020	0.017	0.015	0.013	0.012	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.050	0.050	0.050	0.051	0.051	0.051
6	55%	0.050	0.096	0.120	0.056	0.057	0.071	0.018	0.015	0.014	0.012	0.012	0.011	0.011	0.011	0.011	0.010	0.010	0.010	0.050	0.050	0.050	0.050	0.050	0.050
7	64%	0.050	0.050	0.078	0.055	0.057	0.055	0.014	0.012	0.012	0.011	0.011	0.011	0.011	0.011	0.010	0.010	0.010	0.010	0.050	0.050	0.050	0.050	0.050	0.050
8	73%	0.050	0.050	0.070	0.054	0.054	0.053	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.050	0.050	0.050	0.050	0.050	0.050
9	82%	0.050	0.050	0.057	0.052	0.053	0.052	0.011	0.011	0.011	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.050	0.050	0.050	0.050	0.050	0.050
10	91%	0.050	0.050	0.050	0.050	0.051	0.051	0.011	0.011	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.050	0.050	0.050	0.050	0.050	0.050
Q80%		0.050	0.050	0.060	0.053	0.053	0.052	0.011	0.011	0.011	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.050	0.050	0.050	0.050	0.050	0.050
Q50%		0.050	0.112	0.123	0.059	0.069	0.084	0.019	0.016	0.014	0.013	0.012	0.011	0.011	0.011	0.011	0.010	0.010	0.010	0.050	0.050	0.050	0.050	0.051	0.050
Q20%		0.628	1.147	0.291	0.661	0.160	0.134	0.079	0.049	0.037	0.042	0.025	0.020	0.017	0.026	0.019	0.016	0.015	0.013	0.052	0.057	0.052	0.054	0.065	0.051

Sumber : Hasil Perhitungan

juta m3

No	Prob.	Jan		Feb		Mar		Apr		Mei		Jun		Jul		Agust		Sep		Okt		Nop		Des		Jml.
		I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	
Q80%		0.065	0.069	0.072	0.064	0.069	0.067	0.015	0.014	0.014	0.014	0.013	0.013	0.013	0.014	0.013	0.014	0.013	0.013	0.065	0.069	0.065	0.065	0.065	0.069	0.968
Q50%		0.065	0.155	0.149	0.071	0.089	0.109	0.024	0.021	0.018	0.018	0.016	0.015	0.015	0.015	0.014	0.014	0.013	0.013	0.065	0.069	0.065	0.065	0.065	0.070	1.235
Q20%		0.813	1.586	0.351	0.799	0.207	0.174	0.103	0.063	0.048	0.058	0.032	0.026	0.023	0.035	0.025	0.022	0.019	0.017	0.068	0.079	0.067	0.070	0.084	0.071	4.842



LAMPIRAN 5
ANALISIS KEBUTUHAN AIR

Perhitungan Kebutuhan Air Irigasi untuk DI. Ai Mual

Pola Tanam : Padi - Padi+Palawija - Bero
Awal Pengolahan Lahan (Land Preparation) : Nop 1
Efisiensi Total : 0.65

No.	Deskripsi	Satuan	Nop		Des		Jan		Feb		Mar		Apr		Mei		Jun		Jul		Agust		Sep		Okt		Nop
			I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I
1	Pola Tata Tanam		Padi 100%										Palawija 90%		Padi 10%						Palawija 0%						
2	Jumlah Hari	hari	15	15	15	16	15	16	14	14	15	16	15	15	15	16	15	15	15	16	15	16	15	15	15	16	15
3	Evapotranspirasi (ETo)	mm/hari	15.13	12.35	10.64	9.96	8.91	7.53	6.67	9.07	8.70	8.42	9.11	13.62	14.97	16.52	16.17	14.75	15.57	16.33	18.18	18.39	19.24	17.94	19.65	19.60	
4	Evaporasi selama LP (Eo)	mm/hari	16.64	13.59	11.70							9.26	10.02	14.98													
5	ET crop = kc x Eto	mm/hari			5.85	10.95	9.58	7.90	6.67	4.31	0.00				16.47	17.75	16.97	14.75	7.39	0.00							
6	Perkolasi (P)	mm/hari	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00							
7	Kebutuhan Air Tambahan (M)	mm/hari	18.64	15.59	13.70							11.26	12.02	16.98													
8	k = M*T/S		2.24	1.87	1.64							1.35	1.44	2.04													
9	Pengolahan Lahan (Land Preparation) (LP)	mm/hari	20.87	18.43	16.98							15.19	15.74	19.53													
	Faktor Luas untuk LP		0.50	1.00	0.50							0.50	1.00	0.50													
10	CH Andalan 80% (R80)	mm	2.0	3.0	12.0	20.0	9.0	39.0	31.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11	CH Efektif untuk Padi	mm/hari	0.09	0.14	0.56	0.88	0.42	1.71	1.55	0.00	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
12	CH Andalan 50% (R50)	mm	18.0	30.0	20.0	48.0	21.0	100.0	54.0	18.0	36.0	35.0	16.0	8.0	0.0	4.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13	CH Efektif untuk Palawija	mm/hari	0.84	1.40	0.93	2.10	0.98	4.38	2.70	0.90	1.68	1.53	0.75	0.37	0.00	0.18	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
14	Penggantian Air (WLR) :	mm/hari				1.67	1.67	1.67	1.67					1.67	1.67	1.67	1.67	1.67									
15	Koefisien Tanaman Padi :																										
-	c1	-	LP	LP	1.10	1.10	1.05	1.05	0.95	0.00		LP	LP	1.10	1.10	1.05	1.05	0.95	0.00								
-	c2	-		LP	LP	1.10	1.10	1.05	1.05	0.95	0.00		LP	LP	1.10	1.10	1.05	1.05	0.95	0.00							
	Rerata Koef. Tanaman Padi	-	LP	LP	0.55	1.10	1.08	1.05	1.00	0.48	0.00	LP	LP	LP	1.10	1.08	1.05	1.00	0.48	0.00							
16	Koefisien Tanaman Palawija :																										
-	c1	-										0.50	0.75	1.00	1.00	0.82	0.45			0.50	0.75	1.00	1.00	0.82	0.45		
-	c2	-											0.50	0.75	1.00	1.00	0.82	0.45			0.50	0.75	1.00	1.00	0.82	0.45	
17	Rerata Koef. Tanaman Palawija	-										0.25	0.63	0.88	1.00	0.91	0.64	0.23		0.25	0.63	0.88	1.00	0.91	0.64	0.23	
18	Penggunaan Komsumsi untuk Padi	mm/hari	0.00	0.00	5.85	10.95	9.58	7.90	6.67	4.31	0.00	0.00	0.00	0.00	16.47	17.75	16.97	14.75	7.39	0.00							
19	Penggunaan Komsumsi untuk Palawija	mm/hari										2.10	5.70	11.92	14.97	15.03	10.27	3.32		4.08	11.36	16.09	19.24	16.32	12.48	4.41	
20	NFR untuk Padi	mm/hari	10.39	18.29	15.08	13.74	12.82	9.86	8.79	6.31	0.53	0.76	1.57	1.08	2.01	2.14	2.06	1.84	0.94	0.10							
21	NFR untuk Palawija	mm/hari										0.52	4.45	10.39	13.48	13.37	9.24	2.86		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
22	Net Field Requirement (NFR) untuk Padi	lt/dt/Ha	1.20	2.12	1.75	1.59	1.48	1.14	1.02	0.73	0.06	0.09	0.18	0.12	0.23	0.25	0.24	0.21	0.11	0.01							
	Net Field Requirement (NFR) untuk Palawija	lt/dt/Ha										0.06	0.52	1.20	1.56	1.55	1.07	0.33		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total N F R	lt/dt/Ha	**1.20**	**2.12**	**1.75**	**1.59**	**1.48**	**1.14**	**1.02**	**0.73**	**0.06**	**0.15**	**0.70**	**1.33**	**1.79**	**1.80**	**1.31**	**0.54**	**0.11**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	
23	Diversion Requirement (DR) untuk Padi	lt/dt/Ha	1.86	3.27	2.69	2.45	2.29	1.76	1.57	1.13	0.10	0.14	0.28	0.19	0.36	0.38	0.37	0.33	0.17	0.02							
	Diversion Requirement (DR) untuk Palawija	lt/dt/Ha										0.09	0.80	1.86	2.41	2.39	1.65	0.51		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total D R	lt/dt/Ha	**1.86**	**3.27**	**2.69**	**2.45**	**2.29**	**1.76**	**1.57**	**1.13**	**0.10**	**0.23**	**1.08**	**2.05**	**2.77**	**2.77**	**2.02**	**0.84**	**0.17**	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	

Sumber : Hasil Perhitungan

Perhitungan Kebutuhan Air Irigasi untuk DI. Ai Mual

Pola Tanam : Padi - Padi+Palawija - Bero
Awal Pengolahan Lahan (Land Preparation) : Nop II
Efisiensi Total : 0.65

No.	Deskripsi	Satuan	Nop		Des		Jan		Feb		Mar		Apr		Mei		Jun		Jul		Agt		Sep		Okt		Nop	
			II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
1	Pola Tata Tanam		Padi 100%											Palawija		Padi 10% Palawija 90%							Palawija 0%						
2	Jumlah Hari	hari	15	15	16	15	16	14	14	15	16	15	15	15	16	15	15	15	16	15	16	15	15	15	16	15	15	
3	Evapotranspirasi (ETo)	mm/hari	12.35	10.64	9.96	8.91	7.53	6.67	9.07	8.70	8.42	9.11	13.62	14.97	16.52	16.17	14.75	15.57	16.33	18.18	18.39	19.24	17.94	19.65	19.60	15.13		
4	Evaporasi selama LP (Eo)	mm/hari	13.59	11.70	10.95							10.02	14.98	16.47														
5	ET crop = kc x Eto	mm/hari			5.48	9.80	8.09	7.01	9.07	4.13	0.00				18.17	17.38	15.49	15.57	7.76	0.00								
6	Perkolasi (P)	mm/hari	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00								
7	Kebutuhan Air Tambahan (M)	mm/hari	18.59	16.70	15.95							15.02	19.98	21.47														
8	k = M*T/S		2.23	2.00	1.91							1.80	2.40	2.58														
9	Pengolahan Lahan (Land Preparation) (LP)	mm/hari	20.83	19.30	18.71							17.99	21.98	23.24														
	Faktor Luas untuk LP		0.50	1.00	0.50							0.50	1.00	0.50														
10	CH Andalan 80% (R80)	mm	3.0	12.0	20.0	9.0	39.0	31.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0		
11	CH Efektif untuk Padi	mm/hari	0.14	0.56	0.88	0.42	1.71	1.55	0.00	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09		
12	CH Andalan 50% (R50)	mm	30.0	20.0	48.0	21.0	100.0	54.0	18.0	36.0	35.0	16.0	8.0	0.0	4.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0		
13	CH Efektif untuk Palawija	mm/hari	1.40	0.93	2.10	0.98	4.38	2.70	0.90	1.68	1.53	0.75	0.37	0.00	0.18	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84		
14	Penggantian Air (WLR) :	mm/hari				1.67	1.67	1.67	1.67					1.67	1.67	1.67	1.67	1.67										
15	Koefisien Tanaman Padi :																											
-	c1	-	LP	LP	1.10	1.10	1.05	1.05	0.95	0.00		LP	LP	1.10	1.10	1.05	1.05	0.95	0.00									
-	c2	-		LP	LP	1.10	1.10	1.05	1.05	0.95	0.00		LP	LP	1.10	1.10	1.05	1.05	0.95	0.00								
	Rerata Koef. Tanaman Padi	-	LP	LP	0.55	1.10	1.08	1.05	1.00	0.48	0.00	LP	LP	LP	1.10	1.08	1.05	1.00	0.48	0.00								
16	Koefisien Tanaman Palawija :																											
-	c1	-										0.50	0.75	1.00	1.00	0.82	0.45			0.50	0.75	1.00	1.00	0.82	0.45			
-	c2	-											0.50	0.75	1.00	1.00	0.82	0.45			0.50	0.75	1.00	1.00	0.82	0.45		
17	Rerata Koef. Tanaman Palawija	-										0.25	0.63	0.88	1.00	0.91	0.64	0.23		0.25	0.63	0.88	1.00	0.91	0.64	0.23		
18	Penggunaan Komsumsi untuk Padi	mm/hari	0.00	0.00	5.48	9.80	8.09	7.01	9.07	4.13	0.00	0.00	0.00	0.00	18.17	17.38	15.49	15.57	7.76	0.00								
19	Penggunaan Komsumsi untuk Palawija	mm/hari										2.28	8.51	13.10	16.52	14.71	9.37	3.50		4.54	11.49	16.83	17.94	17.88	12.45	3.40		
20	NFR untuk Padi	mm/hari	10.34	18.74	16.94	16.05	13.05	12.12	15.73	8.20	2.50	0.90	2.20	1.29	2.48	2.40	2.22	2.22	1.28	0.25								
21	NFR untuk Palawija	mm/hari										1.38	7.32	11.79	14.71	13.24	8.30	3.15		0.00	0.00	0.00	0.00	0.00	0.00	0.00		
22	Net Field Requirement (NFR) untuk Padi	lt/dt/Ha	1.20	2.17	1.96	1.86	1.51	1.40	1.82	0.95	0.29	0.10	0.25	0.15	0.29	0.28	0.26	0.26	0.15	0.03								
	Net Field Requirement (NFR) untuk Palawija	lt/dt/Ha										0.16	0.85	1.36	1.70	1.53	0.96	0.36		0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	Total N F R	lt/dt/Ha	**1.20**	**2.17**	**1.96**	**1.86**	**1.51**	**1.40**	**1.82**	**0.95**	**0.29**	**0.26**	**1.10**	**1.51**	**1.99**	**1.81**	**1.22**	**0.62**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**		
23	Diversion Requirement (DR) untuk Padi	lt/dt/Ha	1.85	3.35	3.03	2.87	2.33	2.17	2.81	1.46	0.45	0.16	0.39	0.23	0.44	0.43	0.40	0.40	0.23	0.04								
	Diversion Requirement (DR) untuk Palawija	lt/dt/Ha										0.25	1.31	2.11	2.63	2.36	1.48	0.56		0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	Total D R	lt/dt/Ha	**1.85**	**3.35**	**3.03**	**2.87**	**2.33**	**2.17**	**2.81**	**1.46**	**0.45**	**0.41**	**1.70**	**2.34**	**3.07**	**2.79**	**1.88**	**0.96**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**		

Sumber : Hasil Perhitungan

Perhitungan Kebutuhan Air Irigasi untuk DI. Ai Mual

Pola Tanam : Padi - Padi+Palawija - Bero
Awal Pengolahan Lahan (Land Preparation) : Des I
Efisiensi Total : 0.65

No.	Deskripsi	Satuan	Des		Jan		Peb		Mar		Apr		Mei		Jun		Jul		Agt		Sep		Okt		Nop		Des
			I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I
1	Pola Tata Tanam						Padi 100%						Palawija		Padi 10% Palawija 90%						Palawija		0%				
2	Jumlah Hari	hari	15	16	15	16	14	14	15	16	15	15	15	16	15	15	15	16	15	16	15	15	15	16	15	15	15
3	Evapotranspirasi (ETo)	mm/hari	10.64	9.96	8.91	7.53	6.67	9.07	8.70	8.42	9.11	13.62	14.97	16.52	16.17	14.75	15.57	16.33	18.18	18.39	19.24	17.94	19.65	19.60	15.13	12.35	
4	Evaporasi selama LP (Eo)	mm/hari	11.70	10.95	9.80							14.98	16.47	18.17													
5	ET crop = kc x Eto	mm/hari			4.90	8.28	7.17	9.52	8.70	4.00	0.00				17.78	15.86	16.34	16.33	8.63	0.00							
6	Perkolasi (P)	mm/hari	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00							
7	Kebutuhan Air Tambahan (M)	mm/hari	16.70	15.95	14.80							19.98	21.47	23.17													
8	k = M*T/S		2.00	1.91	1.78							2.40	2.58	2.78													
9	Pengolahan Lahan (Land Preparation) (LP)	mm/hari	19.30	18.71	17.82							21.98	23.24	24.70													
	Faktor Luas untuk LP		0.50	1.00	0.50							0.50	1.00	0.50													
10	CH Andalan 80% (R80)	mm	12.0	20.0	9.0	39.0	31.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	
11	CH Efektif untuk Padi	mm/hari	0.56	0.88	0.42	1.71	1.55	0.00	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.14	
12	CH Andalan 50% (R50)	mm	20.0	48.0	21.0	100.0	54.0	18.0	36.0	35.0	16.0	8.0	0.0	4.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	30.0	
13	CH Efektif untuk Palawija	mm/hari	0.93	2.10	0.98	4.38	2.70	0.90	1.68	1.53	0.75	0.37	0.00	0.18	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	1.40	
14	Penggantian Air (WLR) :	mm/hari				1.67	1.67	1.67	1.67					1.67	1.67	1.67	1.67	1.67									
15	Koefisien Tanaman Padi :																										
-	c1	-	LP	LP	1.10	1.10	1.05	1.05	0.95	0.00		LP	LP	1.10	1.10	1.05	1.05	0.95	0.00								
-	c2	-		LP	LP	1.10	1.10	1.05	1.05	0.95	0.00		LP	LP	1.10	1.10	1.05	1.05	0.95	0.00							
	Rerata Koef. Tanaman Padi	-	LP	LP	0.55	1.10	1.08	1.05	1.00	0.48	0.00	LP	LP	LP	1.10	1.08	1.05	1.00	0.48	0.00							
16	Koefisien Tanaman Palawija :																										
-	c1	-										0.50	0.75	1.00	1.00	0.82	0.45			0.50	0.75	1.00	1.00	0.82	0.45		
-	c2	-											0.50	0.75	1.00	1.00	0.82	0.45			0.50	0.75	1.00	1.00	0.82	0.45	
17	Rerata Koef. Tanaman Palawija	-										0.25	0.63	0.88	1.00	0.91	0.64	0.23		0.25	0.63	0.88	1.00	0.91	0.64	0.23	
18	Penggunaan Komsumsi untuk Padi	mm/hari	0.00	0.00	4.90	8.28	7.17	9.52	8.70	4.00	0.00	0.00	0.00	0.00	17.78	15.86	16.34	16.33	8.63	0.00							
19	Penggunaan Komsumsi untuk Palawija	mm/hari										3.40	9.36	14.45	16.17	13.42	9.88	3.68		4.60	12.02	15.69	19.65	17.84	9.61	2.78	
20	NFR untuk Padi	mm/hari	9.37	17.84	15.32	13.24	12.29	16.19	14.43	9.00	2.50	1.10	2.32	1.36	2.44	2.25	2.30	2.30	1.36	0.25							
21	NFR untuk Palawija	mm/hari										2.73	8.42	12.85	14.55	11.96	8.90	3.31		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
22	Net Field Requirement (NFR) untuk Padi	lt/dt/Ha	1.08	2.06	1.77	1.53	1.42	1.87	1.67	1.04	0.29	0.13	0.27	0.16	0.28	0.26	0.27	0.27	0.16	0.03							
	Net Field Requirement (NFR) untuk Palawija	lt/dt/Ha										0.32	0.97	1.49	1.68	1.38	1.03	0.38		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total N F R	lt/dt/Ha	**1.08**	**2.06**	**1.77**	**1.53**	**1.42**	**1.87**	**1.67**	**1.04**	**0.29**	**0.44**	**1.24**	**1.64**	**1.97**	**1.64**	**1.30**	**0.65**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	
23	Diversion Requirement (DR) untuk Padi	lt/dt/Ha	1.67	3.19	2.74	2.36	2.20	2.89	2.58	1.61	0.45	0.20	0.42	0.24	0.44	0.40	0.41	0.41	0.24	0.04							
	Diversion Requirement (DR) untuk Palawija	lt/dt/Ha										0.49	1.50	2.29	2.60	2.14	1.59	0.59		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total D R	lt/dt/Ha	**1.67**	**3.19**	**2.74**	**2.36**	**2.20**	**2.89**	**2.58**	**1.61**	**0.45**	**0.68**	**1.92**	**2.54**	**3.04**	**2.54**	**2.00**	**1.00**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	

Sumber : Hasil Perhitungan

Perhitungan Kebutuhan Air Irigasi untuk DI. Ai Mual

Pola Tanam : Padi - Padi+Palawija - Bero
Awal Pengolahan Lahan (Land Preparation) : Des II
Efisiensi Total : 0.65

No.	Deskripsi	Satuan	Des		Jan		Feb		Mar		Apr		Mei		Juni		Juli		Agustus		Sept		Okt		Nov		Des	
			II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
1	Pola Tata Tanam						Padi 100%							Palawija		Padi 10% Palawija 90%						Palawija 0%						
2	Jumlah Hari	hari	16	15	16	14	14	15	15	15	15	15	16	15	15	15	16	15	16	15	15	15	16	15	15	15	16	
3	Evapotranspirasi (ETo)	mm/hari	9.96	8.91	7.53	6.67	9.07	8.70	8.42	9.11	13.62	14.97	16.52	16.17	14.75	15.57	16.33	18.18	18.39	19.24	17.94	19.65	19.60	15.13	12.35	10.64		
4	Evaporasi selama LP (Eo)	mm/hari	10.95	9.80	8.28							16.47	18.17	17.78														
5	ET crop = kc x Eto	mm/hari			4.14	7.34	9.75	9.13	8.42	4.33	0.00				16.23	16.73	17.15	18.18	8.74	0.00								
6	Perkolasi (P)	mm/hari	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00								
7	Kebutuhan Air Tambahan (M)	mm/hari	15.95	14.80	13.28							21.47	23.17	22.78														
8	k = M*T/S		1.91	1.78	1.59							2.58	2.78	2.73														
9	Pengolahan Lahan (Land Preparation) (LP)	mm/hari	18.71	17.82	16.67							23.24	24.70	24.37														
	Faktor Luas untuk LP		0.50	1.00	0.50							0.50	1.00	0.50														
10	CH Andalan 80% (R80)	mm	20.0	9.0	39.0	31.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	12.0		
11	CH Efektif untuk Padi	mm/hari	0.88	0.42	1.71	1.55	0.00	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.14	0.56		
12	CH Andalan 50% (R50)	mm	48.0	21.0	100.0	54.0	18.0	36.0	35.0	16.0	8.0	0.0	4.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	30.0	20.0		
13	CH Efektif untuk Palawija	mm/hari	2.10	0.98	4.38	2.70	0.90	1.68	1.63	0.75	0.37	0.00	0.18	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	1.40	0.93		
14	Penggantian Air (WLR) :	mm/hari				1.67	1.67	1.67	1.67					1.67	1.67	1.67	1.67	1.67										
15	Koefisien Tanaman Padi :																											
-	c1	-	LP	LP	1.10	1.10	1.05	1.05	0.95	0.00		LP	LP	1.10	1.10	1.05	1.05	0.95	0.00									
-	c2	-		LP	LP	1.10	1.10	1.05	1.05	0.95	0.00		LP	LP	1.10	1.10	1.05	1.05	0.95	0.00								
	Rerata Koef. Tanaman Padi	-	LP	LP	0.55	1.10	1.08	1.05	1.00	0.48	0.00	LP	LP	LP	1.10	1.08	1.05	1.00	0.48	0.00								
16	Koefisien Tanaman Palawija :																											
-	c1	-										0.50	0.75	1.00	1.00	0.82	0.45			0.50	0.75	1.00	1.00	0.82	0.45			
-	c2	-											0.50	0.75	1.00	1.00	0.82	0.45			0.50	0.75	1.00	1.00	0.82	0.45		
17	Rerata Koef. Tanaman Palawija	-										0.25	0.63	0.88	1.00	0.91	0.64	0.23		0.25	0.63	0.88	1.00	0.91	0.64	0.23		
18	Penggunaan Komsumsi untuk Padi	mm/hari	0.00	0.00	4.14	7.34	9.75	9.13	8.42	4.33	0.00	0.00	0.00	0.00	16.23	16.73	17.15	18.18	8.74	0.00								
19	Penggunaan Komsumsi untuk Palawija	mm/hari										3.74	10.32	14.15	14.75	14.16	10.37	4.09		4.81	11.21	17.19	19.60	13.77	7.84	2.39		
20	NFR untuk Padi	mm/hari	8.92	17.40	13.71	12.46	16.41	14.86	15.09	9.33	2.50	1.16	2.47	1.33	2.29	2.34	2.38	2.48	1.37	0.25								
21	NFR untuk Palawija	mm/hari										3.37	9.13	12.73	13.15	12.75	9.33	3.68		0.00	0.00	0.00	0.00	0.00	0.00	0.00		
22	Net Field Requirement (NFR) untuk Padi	lt/dt/Ha	1.03	2.01	1.59	1.44	1.90	1.72	1.75	1.08	0.29	0.13	0.29	0.15	0.26	0.27	0.28	0.29	0.16	0.03								
	Net Field Requirement (NFR) untuk Palawija	lt/dt/Ha										0.39	1.06	1.47	1.52	1.48	1.08	0.43		0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	Total N F R	lt/dt/Ha	**1.03**	**2.01**	**1.59**	**1.44**	**1.90**	**1.72**	**1.75**	**1.08**	**0.29**	**0.52**	**1.34**	**1.63**	**1.79**	**1.75**	**1.36**	**0.71**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**		
23	Diversion Requirement (DR) untuk Padi	lt/dt/Ha	1.59	3.11	2.45	2.22	2.93	2.65	2.69	1.67	0.45	0.21	0.44	0.24	0.41	0.42	0.43	0.44	0.25	0.04								
	Diversion Requirement (DR) untuk Palawija	lt/dt/Ha										0.60	1.63	2.27	2.35	2.28	1.67	0.66		0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	Total D R	lt/dt/Ha	**1.59**	**3.11**	**2.45**	**2.22**	**2.93**	**2.65**	**2.69**	**1.67**	**0.45**	**0.81**	**2.07**	**2.51**	**2.76**	**2.69**	**2.09**	**1.10**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**		

Sumber : Hasil Perhitungan

Perhitungan Kebutuhan Air Irigasi untuk DI. Ai Mual

Pola Tanam : Padi - Palawija - Bero
Awal Pengolahan Lahan (Land Preparation) : Nop I
Efisiensi Total : 0.65

No.	Deskripsi	Satuan	Nop		Des		Jan		Feb		Mar		Apr		Mei		Jun		Jul		Agust		Sep		Okt		Nop
			I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I
1	Pola Tata Tanam						Padi 100%						Palawija		Padi 0% Palawija 100%						Palawija 0%						
2	Jumlah Hari	hari	15	15	15	16	15	16	14	14	15	16	15	15	15	16	15	15	15	16	15	16	15	15	15	16	15
3	Evapotranspirasi (ETo)	mm/hari	15.13	12.35	10.64	9.96	8.91	7.53	6.67	9.07	8.70	8.42	9.11	13.62	14.97	16.52	16.17	14.75	15.57	16.33	18.18	18.39	19.24	17.94	19.65	19.60	
4	Evaporasi selama LP (Eo)	mm/hari	16.64	13.59	11.70							9.26	10.02	14.98													
5	ET crop = kc x Eto	mm/hari			5.85	10.95	9.58	7.90	6.67	4.31	0.00				16.47	17.75	16.97	14.75	7.39	0.00							
6	Perkolasi (P)	mm/hari	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00							
7	Kebutuhan Air Tambahan (M)	mm/hari	18.64	15.59	13.70							11.26	12.02	16.98													
8	k = M*T/S		2.24	1.87	1.64							1.35	1.44	2.04													
9	Pengolahan Lahan (Land Preparation) (LP)	mm/hari	20.87	18.43	16.98							15.19	15.74	19.53													
	Faktor Luas untuk LP		0.50	1.00	0.50							0.50	1.00	0.50													
10	CH Andalan 80% (R80)	mm	2.0	3.0	12.0	20.0	9.0	39.0	31.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11	CH Efektif untuk Padi	mm/hari	0.09	0.14	0.56	0.88	0.42	1.71	1.55	0.00	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
12	CH Andalan 50% (R50)	mm	18.0	30.0	20.0	48.0	21.0	100.0	54.0	18.0	36.0	35.0	16.0	8.0	0.0	4.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13	CH Efektif untuk Palawija	mm/hari	0.84	1.40	0.93	2.10	0.98	4.38	2.70	0.90	1.68	1.53	0.75	0.37	0.00	0.18	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
14	Penggantian Air (WLR) :	mm/hari				1.67	1.67	1.67	1.67					1.67	1.67	1.67	1.67	1.67									
15	Koefisien Tanaman Padi :																										
-	c1	-	LP	LP	1.10	1.10	1.05	1.05	0.95	0.00		LP	LP	1.10	1.10	1.05	1.05	0.95	0.00								
-	c2	-		LP	LP	1.10	1.10	1.05	1.05	0.95	0.00		LP	LP	1.10	1.10	1.05	1.05	0.95	0.00							
	Rerata Koef. Tanaman Padi	-	LP	LP	0.55	1.10	1.08	1.05	1.00	0.48	0.00	LP	LP	LP	1.10	1.08	1.05	1.00	0.48	0.00							
16	Koefisien Tanaman Palawija :																										
-	c1	-										0.50	0.75	1.00	1.00	0.82	0.45			0.50	0.75	1.00	1.00	0.82	0.45		
-	c2	-											0.50	0.75	1.00	1.00	0.82	0.45			0.50	0.75	1.00	1.00	0.82	0.45	
17	Rerata Koef. Tanaman Palawija	-										0.25	0.63	0.88	1.00	0.91	0.64	0.23		0.25	0.63	0.88	1.00	0.91	0.64	0.23	
18	Penggunaan Komsumsi untuk Padi	mm/hari	0.00	0.00	5.85	10.95	9.58	7.90	6.67	4.31	0.00	0.00	0.00	0.00	16.47	17.75	16.97	14.75	7.39	0.00							
19	Penggunaan Komsumsi untuk Palawija	mm/hari										2.10	5.70	11.92	14.97	15.03	10.27	3.32		4.08	11.36	16.09	19.24	16.32	12.48	4.41	
20	NFR untuk Padi	mm/hari	10.39	18.29	15.08	13.74	12.82	9.86	8.79	6.31	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
21	NFR untuk Palawija	mm/hari										0.57	4.95	11.54	14.97	14.85	10.27	3.18		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
22	Net Field Requirement (NFR) untuk Padi	lt/dt/Ha	1.20	2.12	1.75	1.59	1.48	1.14	1.02	0.73	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
	Net Field Requirement (NFR) untuk Palawija	lt/dt/Ha										0.07	0.57	1.34	1.73	1.72	1.19	0.37		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total N F R	lt/dt/Ha	**1.20**	**2.12**	**1.75**	**1.59**	**1.48**	**1.14**	**1.02**	**0.73**	**0.06**	**0.07**	**0.57**	**1.34**	**1.73**	**1.72**	**1.19**	**0.37**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	
23	Diversion Requirement (DR) untuk Padi	lt/dt/Ha	1.86	3.27	2.69	2.45	2.29	1.76	1.57	1.13	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
	Diversion Requirement (DR) untuk Palawija	lt/dt/Ha										0.10	0.88	2.06	2.67	2.65	1.83	0.57		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total D R	lt/dt/Ha	**1.86**	**3.27**	**2.69**	**2.45**	**2.29**	**1.76**	**1.57**	**1.13**	**0.10**	**0.10**	**0.88**	**2.06**	**2.67**	**2.65**	**1.83**	**0.57**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	

Sumber : Hasil Perhitungan

Perhitungan Kebutuhan Air Irigasi untuk DI. Ai Mual

Pola Tanam : Padi - Palawija - Bero
Awal Pengolahan Lahan (Land Preparation) : Nop II
Efisiensi Total : 0.65

No.	Deskripsi	Satuan	Nop	Des		Jan		Peb		Mar		Apr		Mei		Jun		Jul		Agt		Sep		Okt		Nop	
			II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
1	Pola Tata Tanam		LP				Padi 100%						LP		Padi 0%		Palawija 100%						Palawija 0%				
2	Jumlah Hari	hari	15	15	16	15	16	14	14	15	16	15	15	15	16	15	15	15	16	15	16	15	15	15	16	15	15
3	Evapotranspirasi (ETo)	mm/hari	12.35	10.64	9.96	8.91	7.53	6.67	9.07	8.70	8.42	9.11	13.62	14.97	16.52	16.17	14.75	15.57	16.33	18.18	18.39	19.24	17.94	19.65	19.60	15.13	
4	Evaporasi selama LP (Eo)	mm/hari	13.59	11.70	10.95							10.02	14.98	16.47													
5	ET crop = kc x Eto	mm/hari			5.48	9.80	8.09	7.01	9.07	4.13	0.00				18.17	17.38	15.49	15.57	7.76	0.00							
6	Perkolasi (P)	mm/hari	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00							
7	Kebutuhan Air Tambahan (M)	mm/hari	18.59	16.70	15.95							15.02	19.98	21.47													
8	k = M*T/S		2.23	2.00	1.91							1.80	2.40	2.58													
9	Pengolahan Lahan (Land Preparation) (LP)	mm/hari	20.83	19.30	18.71							17.99	21.98	23.24													
	Faktor Luas untuk LP		0.50	1.00	0.50							0.50	1.00	0.50													
10	CH Andalan 80% (R80)	mm	3.0	12.0	20.0	9.0	39.0	31.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	
11	CH Efektif untuk Padi	mm/hari	0.14	0.56	0.88	0.42	1.71	1.55	0.00	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	
12	CH Andalan 50% (R50)	mm	30.0	20.0	48.0	21.0	100.0	54.0	18.0	36.0	35.0	16.0	8.0	0.0	4.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	
13	CH Efektif untuk Palawija	mm/hari	1.40	0.93	2.10	0.98	4.38	2.70	0.90	1.68	1.53	0.75	0.37	0.00	0.18	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	
14	Penggantian Air (WLR) :	mm/hari				1.67	1.67	1.67	1.67					1.67	1.67	1.67	1.67	1.67									
15	Koefisien Tanaman Padi :																										
-	c1	-	LP	LP	1.10	1.10	1.05	1.05	0.95	0.00		LP	LP	1.10	1.10	1.05	1.05	0.95	0.00								
-	c2	-		LP	LP	1.10	1.10	1.05	1.05	0.95	0.00		LP	LP	1.10	1.10	1.05	1.05	0.95	0.00							
	Rerata Koef. Tanaman Padi	-	LP	LP	0.55	1.10	1.08	1.05	1.00	0.48	0.00	LP	LP	LP	1.10	1.08	1.05	1.00	0.48	0.00							
16	Koefisien Tanaman Palawija :																										
-	c1	-										0.50	0.75	1.00	1.00	0.82	0.45			0.50	0.75	1.00	1.00	0.82	0.45		
-	c2	-											0.50	0.75	1.00	1.00	0.82	0.45			0.50	0.75	1.00	1.00	0.82	0.45	
17	Rerata Koef. Tanaman Palawija	-										0.25	0.63	0.88	1.00	0.91	0.64	0.23		0.25	0.63	0.88	1.00	0.91	0.64	0.23	
18	Penggunaan Komsumsi untuk Padi	mm/hari	0.00	0.00	5.48	9.80	8.09	7.01	9.07	4.13	0.00	0.00	0.00	0.00	18.17	17.38	15.49	15.57	7.76	0.00							
19	Penggunaan Komsumsi untuk Palawija	mm/hari										2.28	8.51	13.10	16.52	14.71	9.37	3.50		4.54	11.49	16.83	17.94	17.88	12.45	3.40	
20	NFR untuk Padi	mm/hari	10.34	18.74	16.94	16.05	13.05	12.12	15.73	8.20	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
21	NFR untuk Palawija	mm/hari										1.53	8.14	13.10	16.34	14.71	9.23	3.50		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
22	Net Field Requirement (NFR) untuk Padi	lt/dt/Ha	1.20	2.17	1.96	1.86	1.51	1.40	1.82	0.95	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
	Net Field Requirement (NFR) untuk Palawija	lt/dt/Ha										0.18	0.94	1.52	1.89	1.70	1.07	0.41		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total N F R	lt/dt/Ha	**1.20**	**2.17**	**1.96**	**1.86**	**1.51**	**1.40**	**1.82**	**0.95**	**0.29**	**0.18**	**0.94**	**1.52**	**1.89**	**1.70**	**1.07**	**0.41**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	
23	Diversion Requirement (DR) untuk Padi	lt/dt/Ha	1.85	3.35	3.03	2.87	2.33	2.17	2.81	1.46	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
	Diversion Requirement (DR) untuk Palawija	lt/dt/Ha										0.27	1.45	2.34	2.92	2.63	1.65	0.63		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total D R	lt/dt/Ha	**1.85**	**3.35**	**3.03**	**2.87**	**2.33**	**2.17**	**2.81**	**1.46**	**0.45**	**0.27**	**1.45**	**2.34**	**2.92**	**2.63**	**1.65**	**0.63**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	

Sumber : Hasil Perhitungan

Perhitungan Kebutuhan Air Irigasi untuk DI. Ai Mual

Pola Tanam : Padi - Palawija - Bero
Awal Pengolahan Lahan (Land Preparation) : Des I
Efisiensi Total : 0.65

No.	Deskripsi	Satuan	Des		Jan		Peb		Mar		Apr		Mei		Jun		Jul		Agt		Sep		Okt		Nop		Des
			I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I
1	Pola Tata Tanam		LP				Padi 100%				LP		Palawija 100%		Padi 0%						Palawija 0%						
2	Jumlah Hari	hari	15	16	15	16	14	14	15	16	15	15	15	16	15	15	15	16	15	16	15	15	15	16	15	15	15
3	Evapotranspirasi (ETo)	mm/hari	10.64	9.96	8.91	7.53	6.67	9.07	8.70	8.42	9.11	13.62	14.97	16.52	16.17	14.75	15.57	16.33	18.18	18.39	19.24	17.94	19.65	19.60	15.13	12.35	
4	Evaporasi selama LP (Eo)	mm/hari	11.70	10.95	9.80							14.98	16.47	18.17													
5	ET crop = kc x Eto	mm/hari			4.90	8.28	7.17	9.52	8.70	4.00	0.00				17.78	15.86	16.34	16.33	8.63	0.00							
6	Perkolasi (P)	mm/hari	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00							
7	Kebutuhan Air Tambahan (M)	mm/hari	16.70	15.95	14.80							19.98	21.47	23.17													
8	k = M*T/S		2.00	1.91	1.78							2.40	2.58	2.78													
9	Pengolahan Lahan (Land Preparation) (LP)	mm/hari	19.30	18.71	17.82							21.98	23.24	24.70													
	Faktor Luas untuk LP		0.50	1.00	0.50							0.50	1.00	0.50													
10	CH Andalan 80% (R80)	mm	12.0	20.0	9.0	39.0	31.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	
11	CH Efektif untuk Padi	mm/hari	0.56	0.88	0.42	1.71	1.55	0.00	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.14	
12	CH Andalan 50% (R50)	mm	20.0	48.0	21.0	100.0	54.0	18.0	36.0	35.0	16.0	8.0	0.0	4.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	30.0	
13	CH Efektif untuk Palawija	mm/hari	0.93	2.10	0.98	4.38	2.70	0.90	1.68	1.53	0.75	0.37	0.00	0.18	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	1.40	
14	Penggantian Air (WLR) :	mm/hari				1.67	1.67	1.67	1.67					1.67	1.67	1.67	1.67	1.67									
15	Koefisien Tanaman Padi :																										
-	c1	-	LP	LP	1.10	1.10	1.05	1.05	0.95	0.00		LP	LP	1.10	1.10	1.05	1.05	0.95	0.00								
-	c2	-		LP	LP	1.10	1.10	1.05	1.05	0.95	0.00		LP	LP	1.10	1.10	1.05	1.05	0.95	0.00							
	Rerata Koef. Tanaman Padi	-	LP	LP	0.55	1.10	1.08	1.05	1.00	0.48	0.00	LP	LP	LP	1.10	1.08	1.05	1.00	0.48	0.00							
16	Koefisien Tanaman Palawija :																										
-	c1	-										0.50	0.75	1.00	1.00	0.82	0.45			0.50	0.75	1.00	1.00	0.82	0.45		
-	c2	-											0.50	0.75	1.00	1.00	0.82	0.45			0.50	0.75	1.00	1.00	0.82	0.45	
17	Rerata Koef. Tanaman Palawija	-										0.25	0.63	0.88	1.00	0.91	0.64	0.23		0.25	0.63	0.88	1.00	0.91	0.64	0.23	
18	Penggunaan Komsumsi untuk Padi	mm/hari	0.00	0.00	4.90	8.28	7.17	9.52	8.70	4.00	0.00	0.00	0.00	0.00	17.78	15.86	16.34	16.33	8.63	0.00							
19	Penggunaan Komsumsi untuk Palawija	mm/hari										3.40	9.36	14.45	16.17	13.42	9.88	3.68		4.60	12.02	15.69	19.65	17.84	9.61	2.78	
20	NFR untuk Padi	mm/hari	9.37	17.84	15.32	13.24	12.29	16.19	14.43	9.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
21	NFR untuk Palawija	mm/hari										3.03	9.36	14.28	16.17	13.28	9.88	3.68		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
22	Net Field Requirement (NFR) untuk Padi	lt/dt/Ha	1.08	2.06	1.77	1.53	1.42	1.87	1.67	1.04	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
	Net Field Requirement (NFR) untuk Palawija	lt/dt/Ha	LP									0.35	1.08	1.65	1.87	1.54	1.14	0.43		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total N F R	lt/dt/Ha	**1.08**	**2.06**	**1.77**	**1.53**	**1.42**	**1.87**	**1.67**	**1.04**	**0.29**	**0.35**	**1.08**	**1.65**	**1.87**	**1.54**	**1.14**	**0.43**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	
23	Diversion Requirement (DR) untuk Padi	lt/dt/Ha	1.67	3.19	2.74	2.36	2.20	2.89	2.58	1.61	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
	Diversion Requirement (DR) untuk Palawija	lt/dt/Ha										0.54	1.67	2.55	2.89	2.37	1.77	0.66		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total D R	lt/dt/Ha	**1.67**	**3.19**	**2.74**	**2.36**	**2.20**	**2.89**	**2.58**	**1.61**	**0.45**	**0.54**	**1.67**	**2.55**	**2.89**	**2.37**	**1.77**	**0.66**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	

Sumber : Hasil Perhitungan

Perhitungan Kebutuhan Air Irigasi untuk DI. Ai Mual

Pola Tanam : Padi - Palawija - Bero
Awal Pengolahan Lahan (Land Preparation) : Des II
Efisiensi Total : 0.65

No.	Deskripsi	Satuan	Des		Jan		Feb		Mar		Apr		Mei		Juni		Juli		Agustus		Sept		Okt		Nov		Des	
			II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
1	Pola Tata Tanam						Padi 100%							Palawija		Padi 0% Palawija 100%							0%					
2	Jumlah Hari	hari	16	15	16	14	14	15	15	15	15	15	16	15	15	15	16	15	16	15	15	15	16	15	15	15	16	
3	Evapotranspirasi (ETo)	mm/hari	9.96	8.91	7.53	6.67	9.07	8.70	8.42	9.11	13.62	14.97	16.52	16.17	14.75	15.57	16.33	18.18	18.39	19.24	17.94	19.65	19.60	15.13	12.35	10.64		
4	Evaporasi selama LP (Eo)	mm/hari	10.95	9.80	8.28							16.47	18.17	17.78														
5	ET crop = kc x Eto	mm/hari			4.14	7.34	9.75	9.13	8.42	4.33	0.00				16.23	16.73	17.15	18.18	8.74	0.00								
6	Perkolasi (P)	mm/hari	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00								
7	Kebutuhan Air Tambahan (M)	mm/hari	15.95	14.80	13.28							21.47	23.17	22.78														
8	k = M*T/S		1.91	1.78	1.59							2.58	2.78	2.73														
9	Pengolahan Lahan (Land Preparation) (LP)	mm/hari	18.71	17.82	16.67							23.24	24.70	24.37														
	Faktor Luas untuk LP		0.50	1.00	0.50							0.50	1.00	0.50														
10	CH Andalan 80% (R80)	mm	20.0	9.0	39.0	31.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	12.0		
11	CH Efektif untuk Padi	mm/hari	0.88	0.42	1.71	1.55	0.00	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.14	0.56		
12	CH Andalan 50% (R50)	mm	48.0	21.0	100.0	54.0	18.0	36.0	35.0	16.0	8.0	0.0	4.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	30.0	20.0		
13	CH Efektif untuk Palawija	mm/hari	2.10	0.98	4.38	2.70	0.90	1.68	1.63	0.75	0.37	0.00	0.18	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	1.40	0.93		
14	Penggantian Air (WLR) :	mm/hari				1.67	1.67	1.67	1.67					1.67	1.67	1.67	1.67	1.67										
15	Koefisien Tanaman Padi :																											
-	c1	-	LP	LP	1.10	1.10	1.05	1.05	0.95	0.00		LP	LP	1.10	1.10	1.05	1.05	0.95	0.00									
-	c2	-		LP	LP	1.10	1.10	1.05	1.05	0.95	0.00		LP	LP	1.10	1.10	1.05	1.05	0.95	0.00								
	Rerata Koef. Tanaman Padi	-	LP	LP	0.55	1.10	1.08	1.05	1.00	0.48	0.00	LP	LP	LP	1.10	1.08	1.05	1.00	0.48	0.00								
16	Koefisien Tanaman Palawija :																											
-	c1	-										0.50	0.75	1.00	1.00	0.82	0.45			0.50	0.75	1.00	1.00	0.82	0.45			
-	c2	-											0.50	0.75	1.00	1.00	0.82	0.45			0.50	0.75	1.00	1.00	0.82	0.45		
17	Rerata Koef. Tanaman Palawija	-										0.25	0.63	0.88	1.00	0.91	0.64	0.23		0.25	0.63	0.88	1.00	0.91	0.64	0.23		
18	Penggunaan Komsumsi untuk Padi	mm/hari	0.00	0.00	4.14	7.34	9.75	9.13	8.42	4.33	0.00	0.00	0.00	0.00	16.23	16.73	17.15	18.18	8.74	0.00								
19	Penggunaan Komsumsi untuk Palawija	mm/hari										3.74	10.32	14.15	14.75	14.16	10.37	4.09		4.81	11.21	17.19	19.60	13.77	7.84	2.39		
20	NFR untuk Padi	mm/hari	8.92	17.40	13.71	12.46	16.41	14.86	15.09	9.33	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00								
21	NFR untuk Palawija	mm/hari										3.74	10.15	14.15	14.61	14.16	10.37	4.09		0.00	0.00	0.00	0.00	0.00	0.00	0.00		
22	Net Field Requirement (NFR) untuk Padi	lt/dt/Ha	1.03	2.01	1.59	1.44	1.90	1.72	1.75	1.08	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00								
	Net Field Requirement (NFR) untuk Palawija	lt/dt/Ha										0.43	1.17	1.64	1.69	1.64	1.20	0.47		0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	Total N F R	lt/dt/Ha	**1.03**	**2.01**	**1.59**	**1.44**	**1.90**	**1.72**	**1.75**	**1.08**	**0.29**	**0.43**	**1.17**	**1.64**	**1.69**	**1.64**	**1.20**	**0.47**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**		
23	Diversion Requirement (DR) untuk Padi	lt/dt/Ha	1.59	3.11	2.45	2.22	2.93	2.65	2.69	1.67	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00								
	Diversion Requirement (DR) untuk Palawija	lt/dt/Ha										0.67	1.81	2.53	2.61	2.53	1.85	0.73		0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	Total D R	lt/dt/Ha	**1.59**	**3.11**	**2.45**	**2.22**	**2.93**	**2.65**	**2.69**	**1.67**	**0.45**	**0.67**	**1.81**	**2.53**	**2.61**	**2.53**	**1.85**	**0.73**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**	**Bero**		

Sumber : Hasil Perhitungan

Ringkasan Hasil Perhitungan DR untuk D.I. Ai Mual

dalam (lt/det/ha)

No.	Setengah Bulanan	Nop 1		Nop 2		Des 1		Des 2	
		NFR	DR	NFR	DR	NFR	DR	NFR	DR
1	Jan-1	1.48	2.29	1.86	2.87	1.77	2.74	2.01	3.11
2	Jan-2	1.14	1.76	1.51	2.33	1.53	2.36	1.59	2.45
3	Feb-1	1.02	1.57	1.40	2.17	1.42	2.20	1.44	2.22
4	Feb-2	0.73	1.13	1.82	2.81	1.87	2.89	1.90	2.93
5	Mar-1	0.06	0.10	0.95	1.46	1.67	2.58	1.72	2.65
6	Mar-2	0.15	0.23	0.29	0.45	1.04	1.61	1.75	2.69
7	Apr-1	0.70	1.08	0.26	0.41	0.29	0.45	1.08	1.67
8	Apr-2	1.33	2.05	1.10	1.70	0.44	0.68	0.29	0.45
9	May-1	1.79	2.77	1.51	2.34	1.24	1.92	0.52	0.81
10	May-2	1.80	2.77	1.99	3.07	1.64	2.54	1.34	2.07
11	Jun-1	1.31	2.02	1.81	2.79	1.97	3.04	1.63	2.51
12	Jun-2	0.54	0.84	1.22	1.88	1.64	2.54	1.79	2.76
13	Jul-1	0.11	0.17	0.62	0.96	1.30	2.00	1.75	2.69
14	Jul-2	0.01	0.02	Bero	Bero	0.65	1.00	1.36	2.09
15	Aug-1	0.00	0.00	Bero	Bero	Bero	Bero	0.71	1.10
16	Aug-2	0.00	0.00	Bero	Bero	Bero	Bero	Bero	Bero
17	Sep-1	0.00	0.00	Bero	Bero	Bero	Bero	Bero	Bero
18	Sep-2	0.00	0.00	Bero	Bero	Bero	Bero	Bero	Bero
19	Oct-1	0.00	0.00	Bero	Bero	Bero	Bero	Bero	Bero
20	Oct-2	0.00	0.00	Bero	Bero	Bero	Bero	Bero	Bero
21	Nov-1	1.20	1.86	Bero	Bero	Bero	Bero	Bero	Bero
22	Nov-2	2.12	3.27	1.20	1.85	Bero	Bero	Bero	Bero
23	Des-1	1.75	2.69	2.17	3.35	1.08	1.67	Bero	Bero
24	Des-2	1.59	2.45	1.96	3.03	2.06	3.19	1.03	1.59
	Maximum	**2.12**	**3.27**	**2.17**	**3.35**	**2.06**	**3.19**	**2.01**	**3.11**
	Rata-rata	**0.78**	**1.21**	**1.35**	**2.09**	**1.35**	**2.09**	**1.37**	**2.11**

Sumber : Hasil Perhitungan

Ringkasan Hasil Perhitungan DR untuk D.I. Bunumbang

dalam (lt/det/ha)

No.	Setengah Bulanan	Nop 1		Nop 2		Des 1		Des 2	
		NFR	DR	NFR	DR	NFR	DR	NFR	DR
1	Jan-1	1.48	2.29	1.86	2.87	1.77	2.74	2.01	3.11
2	Jan-2	1.14	1.76	1.51	2.33	1.53	2.36	1.59	2.45
3	Feb-1	1.02	1.57	1.40	2.17	1.42	2.20	1.44	2.22
4	Feb-2	0.73	1.13	1.82	2.81	1.87	2.89	1.90	2.93
5	Mar-1	0.06	0.10	0.95	1.46	1.67	2.58	1.72	2.65
6	Mar-2	0.07	0.10	0.29	0.45	1.04	1.61	1.75	2.69
7	Apr-1	0.57	0.88	0.18	0.27	0.29	0.45	1.08	1.67
8	Apr-2	1.34	2.06	0.94	1.45	0.35	0.54	0.29	0.45
9	May-1	1.73	2.67	1.52	2.34	1.08	1.67	0.43	0.67
10	May-2	1.72	2.65	1.89	2.92	1.65	2.55	1.17	1.81
11	Jun-1	1.19	1.83	1.70	2.63	1.87	2.89	1.64	2.53
12	Jun-2	0.37	0.57	1.07	1.65	1.54	2.37	1.69	2.61
13	Jul-1	Bero	Bero	0.41	0.63	1.14	1.77	1.64	2.53
14	Jul-2	Bero	Bero	Bero	Bero	0.43	0.66	1.20	1.85
15	Aug-1	Bero	Bero	Bero	Bero	Bero	Bero	0.47	0.73
16	Aug-2	Bero	Bero	Bero	Bero	Bero	Bero	Bero	Bero
17	Sep-1	Bero	Bero	Bero	Bero	Bero	Bero	Bero	Bero
18	Sep-2	Bero	Bero	Bero	Bero	Bero	Bero	Bero	Bero
19	Oct-1	Bero	Bero	Bero	Bero	Bero	Bero	Bero	Bero
20	Oct-2	Bero	Bero	Bero	Bero	Bero	Bero	Bero	Bero
21	Nov-1	1.20	1.86	Bero	Bero	Bero	Bero	Bero	Bero
22	Nov-2	2.12	3.27	1.20	1.85	Bero	Bero	Bero	Bero
23	Des-1	1.75	2.69	2.17	3.35	1.08	1.67	Bero	Bero
24	Des-2	1.59	2.45	1.96	3.03	2.06	3.19	1.03	1.59
	Maximum	**2.12**	**3.27**	**2.17**	**3.35**	**2.06**	**3.19**	**2.01**	**3.11**
	Rata-rata	**1.13**	**1.74**	**1.30**	**2.01**	**1.30**	**2.01**	**1.32**	**2.03**

Sumber : Hasil Perhitungan

LAMPIRAN 6

ANALISIS KESEIMBANGAN AIR

Perhitungan Simulasi Operasi Embung A Mual

AWAL TANAM NOP-1

Data Embung :

Crest Spillway Level	=	+ 61.00	m
Min. Operation Level	=	+ 55.00	m
Max. Storage	=	74,476.07	m3
Dead Storage	=	10,037.93	m3
Efektif Storage	=	64,438.15	m3
Tampungan Pertama	=	64,438.15	m3

Layanan Embung :

Areal Irigasi		=	100.0
Crop Inten.	MT I	=	(100%)
	MT II-a	=	(10%)
	MT II-b	=	(90%)
	MT III	=	(0%)
Kebutuhan Air Baku		=	-

Layanan Embung :

MT I	= 100.0	Ha (Padi)
MT II-a	= 10.0	Ha (Padi)
MT II-b	= 90.0	Ha (Palawija)
MT III	= 0.0	Ha (Palawija)

Periode		Tampungan Awal		Elv. MAW	Luas Genangan	Inflow		Kehilangan			Outflow			Total Out Flow	Limpas	Tampungan Akhir		Keterangan Simulasi
						Debit Sungai (Q)	Total Inflow	Evaporasi		Rembesan	Kebutuhan Irigasi							
No	Bulan	Total (m3)	Efektif (m3)		(ha)	(m3/det)	(m3)	(mm)	m3	(m3)	DR (lt/det/Ha)	FK	Keb. Irigasi (m3)	(m3)	(m3)	Total (m3)	Efektif (m3)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
				61.00	1.74											74,476	64,438	
1	Jan 1	74,476	64,438	61.00	1.74	0.050	64,813	8.91	2,331	744.8	2.29	1.0	296,872	3,076	61,737	74,476	64,438	berhasil
2	2	74,476	64,438	61.00	1.74	0.050	69,129	7.53	2,101	744.8	1.76	1.0	243,547	2,845	66,284	74,476	64,438	berhasil
3	Feb 1	74,476	64,438	61.00	1.74	0.060	72,478	6.67	1,629	744.8	1.57	1.0	189,903	2,374	70,104	74,476	64,438	berhasil
4	2	74,476	64,438	61.00	1.74	0.053	63,694	9.07	2,214	744.8	1.13	1.0	136,259	2,959	60,736	74,476	64,438	berhasil
5	Mar 1	74,476	64,438	61.00	1.74	0.053	68,739	8.70	2,275	744.8	0.10	1.0	12,346	3,020	65,719	74,476	64,438	berhasil
6	2	74,476	64,438	61.00	1.74	0.052	71,877	8.42	2,349	744.8	0.23	1.0	31,501	34,596	37,281	74,476	64,438	berhasil
7	Apr 1	74,476	64,438	56.09	0.67	0.011	14,890	9.11	2,384	744.8	1.08	0.5	69,775	72,904	tdk melimpas	16,462	6,424	berhasil
8	2	16,462	6,424	56.30	0.71	0.011	14,311	13.62	1,359	164.6	2.05	0.5	69,775	71,299	tdk melimpas	18,067	8,029	berhasil
9	Mei 1	18,067	8,029	55.00	0.51	0.011	13,906	14.97	1,591	180.7	2.77	0.5	179,270	181,042	tdk melimpas	10,038	-	gagal
10	2	10,038	-	55.00	0.51	0.010	14,486	16.52	1,343	100.4	2.77	0.5	191,488	192,931	tdk melimpas	10,038	-	gagal
11	Jun 1	10,038	-	55.00	0.51	0.010	13,423	16.17	1,232	100.4	2.02	0.5	130,824	132,157	tdk melimpas	10,038	-	gagal
12	2	10,038	-	55.00	0.51	0.010	13,284	14.75	1,125	100.4	0.84	0.5	54,434	55,659	tdk melimpas	10,038	-	gagal
13	Jul 1	10,038	-	55.19	0.53	0.010	13,236	15.57	1,187	100.4	0.17	0.5	10,872	12,159	tdk melimpas	11,115	1,077	berhasil
14	2	11,115	1,077	56.88	0.82	0.010	14,017	16.33	1,397	111.1	0.02	0.5	1,235	2,742	tdk melimpas	22,389	12,351	berhasil
15	Agt 1	22,389	12,351	58.02	1.06	0.010	13,095	18.18	2,248	223.9	0.00	0.5	-	2,472	tdk melimpas	33,013	22,975	berhasil
16	2	33,013	22,975	58.92	1.25	0.010	13,919	18.39	3,110	330.1	0.00	0.5	-	3,440	tdk melimpas	43,491	33,453	berhasil
17	Sep 1	43,491	33,453	59.58	1.40	0.010	13,026	19.24	3,620	434.9	0.00	0.5	-	4,054	tdk melimpas	52,463	42,425	berhasil
18	2	52,463	42,425	60.18	1.54	0.010	13,006	17.94	3,769	524.6	0.00	1.0	-	4,294	tdk melimpas	61,175	51,137	berhasil
19	Okt 1	61,175	51,137	61.00	1.74	0.050	64,832	19.65	4,536	611.8	0.00	1.0	-	5,147	46,384	74,476	64,438	berhasil
20	2	74,476	64,438	61.00	1.74	0.050	69,143	19.60	5,471	744.8	0.00	1.0	-	6,215	62,927	74,476	64,438	berhasil
21	Nop 1	74,476	64,438	61.00	1.74	0.050	64,816	15.13	3,958	744.8	1.86	1.0	240,462	4,703	60,113	74,476	64,438	berhasil
22	2	74,476	64,438	61.00	1.74	0.050	64,811	12.35	3,232	744.8	3.27	1.0	423,299	3,977	60,834	74,476	64,438	berhasil
23	Des 1	74,476	64,438	61.00	1.74	0.050	64,808	10.64	2,783	744.8	2.69	1.0	349,154	3,528	61,280	74,476	64,438	berhasil
24	2	74,476	64,438	61.00	1.74	0.050	69,125	9.96	2,779	744.8	2.45	1.0	339,377	3,524	65,602	74,476	64,438	berhasil

Sumber : Hasil Perhitungan

Perhitungan Simulasi Operasi Embung Ai Mual
AWAL TANAM NOP-2

Data Embung :

Crest Spillway Level	=	+ 61.00	m
Min. Operation Level	=	+ 55.00	m
Max. Storage	=	74,476	m3
Dead Storage	=	10,038	m3
Efektif Storage	=	64,438	m3
Tampungan Pertama	=	64,438	m3

Layanan Embung :

Areal Irigasi		=	100.0
Crop Inten.	MT I	=	(100%)
	MT II-a	=	(10%)
	MT II-b	=	(90%)
	MT III	=	(0%)
Kebutuhan Air Baku		=	-

Layanan Embung :

MT I	= 100.0	Ha (Padi)
MT II-a	= 10.0	Ha (Padi)
MT II-b	= 90.0	Ha (Palawija)
MT III	= 0.0	Ha (Palawija)

Periode		Tampungan Awal		Elv. MAW	Luas Genangan	Inflow		Kehilangan			Outflow			Total Out Flow	Limpas	Tampungan Akhir		Keterangan Simulasi
						Debit Sungai (Q)	Total Inflow	Evaporasi		Rembesan	Kebutuhan Irigasi							
No	Bulan	Total (m3)	Efektif (m3)		(ha)	(m3/det)	(m3)	(mm)	m3	(m3)	DR (lt/det/Ha)	FK	Keb. Irigasi (m3)	(m3)	(m3)	Total (m3)	Efektif (m3)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
				61.00	1.74											74,476	64,438	
1	Jan 1	74,476	64,438	61.00	1.74	0.050	64,813	8.91	2,331	744.8	2.87	1.0	371,473	3,076	61,737	74,476	64,438	berhasil
2	2	74,476	64,438	61.00	1.74	0.050	69,129	7.53	2,101	744.8	2.33	1.0	322,267	2,845	66,284	74,476	64,438	berhasil
3	Feb 1	74,476	64,438	61.00	1.74	0.060	72,478	6.67	1,629	744.8	2.17	1.0	261,926	2,374	70,104	74,476	64,438	berhasil
4	2	74,476	64,438	61.00	1.74	0.053	63,694	9.07	2,214	744.8	2.81	1.0	339,925	2,959	60,736	74,476	64,438	berhasil
5	Mar 1	74,476	64,438	61.00	1.74	0.053	68,739	8.70	2,275	744.8	1.46	1.0	189,744	3,020	65,719	74,476	64,438	berhasil
6	2	74,476	64,438	61.00	1.74	0.052	71,877	8.42	2,349	744.8	0.45	1.0	61,728	3,094	68,783	74,476	64,438	berhasil
7	Apr 1	74,476	64,438	60.10	1.52	0.011	14,890	9.11	2,384	744.8	0.41	0.5	26,365	29,494	tdk melimpas	59,872	49,834	berhasil
8	2	59,872	49,834	58.97	1.27	0.011	14,311	13.62	3,103	598.7	1.70	0.5	26,365	30,067	tdk melimpas	44,116	34,078	berhasil
9	Mei 1	44,116	34,078	55.00	0.51	0.011	13,906	14.97	2,843	441.2	2.34	0.5	151,353	154,637	tdk melimpas	10,038	-	gagal
10	2	10,038	-	55.00	0.51	0.010	14,486	16.52	1,343	100.4	3.07	0.5	212,217	213,660	tdk melimpas	10,038	-	gagal
11	Jun 1	10,038	-	55.00	0.51	0.010	13,423	16.17	1,232	100.4	2.79	0.5	181,074	182,407	tdk melimpas	10,038	-	gagal
12	2	10,038	-	55.00	0.51	0.010	13,284	14.75	1,125	100.4	1.88	0.5	121,763	122,988	tdk melimpas	10,038	-	gagal
13	Jul 1	10,038	-	55.00	0.51	0.010	13,236	15.57	1,187	100.4	0.96	0.5	62,213	63,500	tdk melimpas	10,038	-	gagal
14	2	10,038	-	56.91	0.83	0.010	14,017	16.33	1,328	100.4	Bero	0.5	-	1,429	tdk melimpas	22,627	12,589	bero
15	Agt 1	22,627	12,589	58.04	1.06	0.010	13,095	18.18	2,265	226.3	Bero	0.5	-	2,492	tdk melimpas	33,230	23,192	bero
16	2	33,230	23,192	58.93	1.26	0.010	13,919	18.39	3,122	332.3	Bero	0.5	-	3,455	tdk melimpas	43,694	33,656	bero
17	Sep 1	43,694	33,656	59.59	1.40	0.010	13,026	19.24	3,631	436.9	Bero	0.5	-	4,067	tdk melimpas	52,653	42,615	bero
18	2	52,653	42,615	60.19	1.54	0.010	13,006	17.94	3,777	526.5	Bero	0.5	-	4,304	tdk melimpas	61,355	51,317	bero
19	Okt 1	61,355	51,317	61.00	1.74	0.050	64,832	19.65	4,544	613.6	Bero	1.0	-	5,157	46,554	74,476	64,438	bero
20	2	74,476	64,438	61.00	1.74	0.050	69,143	19.60	5,471	744.8	Bero	1.0	-	6,215	62,927	74,476	64,438	bero
21	Nop 1	74,476	64,438	61.00	1.74	0.050	64,816	15.13	3,958	744.8	Bero	1.0	-	4,703	60,113	74,476	64,438	bero
22	2	74,476	64,438	61.00	1.74	0.050	64,811	12.35	3,232	744.8	1.85	1.0	239,425	3,977	60,834	74,476	64,438	berhasil
23	Des 1	74,476	64,438	61.00	1.74	0.050	64,808	10.64	2,783	744.8	3.35	1.0	433,871	3,528	61,280	74,476	64,438	berhasil
24	2	74,476	64,438	61.00	1.74	0.050	69,125	9.96	2,779	744.8	3.03	1.0	418,327	3,524	65,602	74,476	64,438	berhasil

Sumber : Hasil Perhitungan

Perhitungan Simulasi Operasi Embung Ai Mual

AWAL TANAM DES-1

Data Embung :

Crest Spillway Level	=	+ 61.00	m
Min. Operation Level	=	+ 55.00	m
Max. Storage	=	74,476	m3
Dead Storage	=	10,038	m3
Efektif Storage	=	64,438	m3
Tampungan Pertama	=	64,438	m3

Layanan Embung :

Areal Irigasi		=	100.0
Crop Inten.	MT I	=	(100%)
	MT II-a	=	(10%)
	MT II-b	=	(90%)
	MT III	=	(0%)
Kebutuhan Air Baku		=	-

Layanan Embung :

MT I	= 100.0	Ha (Padi)
MT II-a	= 10.0	Ha (Padi)
MT II-b	= 90.0	Ha (Palawija)
MT III	= 0.0	Ha (Palawija)

Periode		Tampungan Awal		Elv. MAW	Luas Genangan	Inflow		Kehilangan			Outflow			Total Out Flow	Limpas	Tampungan Akhir		Keterangan Simulasi
						Debit Sungai (Q)	Total Inflow	Evaporasi		Rembesan	Kebutuhan Irigasi							
No	Bulan	Total (m3)	Efektif (m3)		(ha)	(m3/det)	(m3)	(mm)	m3	(m3)	DR (lt/det/Ha)	FK	Keb. Irigasi (m3)	(m3)	(m3)	Total (m3)	Efektif (m3)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
				61.00	1.74											74,476	64,438	
1	Jan 1	74,476	64,438	61.00	1.74	0.050	64,813	8.91	2,331	744.8	2.74	1.0	354,599	3,076	61,737	74,476	64,438	berhasil
2	2	74,476	64,438	61.00	1.74	0.050	69,129	7.53	2,101	744.8	2.36	1.0	326,914	2,845	66,284	74,476	64,438	berhasil
3	Feb 1	74,476	64,438	61.00	1.74	0.060	72,478	6.67	1,629	744.8	2.20	1.0	265,530	2,374	70,104	74,476	64,438	berhasil
4	2	74,476	64,438	61.00	1.74	0.053	63,694	9.07	2,214	744.8	2.89	1.0	349,720	2,959	60,736	74,476	64,438	berhasil
5	Mar 1	74,476	64,438	61.00	1.74	0.053	68,739	8.70	2,275	744.8	2.58	1.0	333,996	3,020	65,719	74,476	64,438	berhasil
6	2	74,476	64,438	61.00	1.74	0.052	71,877	8.42	2,349	744.8	1.61	1.0	222,194	3,094	68,783	74,476	64,438	berhasil
7	Apr 1	74,476	64,438	61.00	1.74	0.011	14,890	9.11	2,384	744.8	0.45	1.0	57,870	3,129	11,761	74,476	64,438	berhasil
8	2	74,476	64,438	58.63	1.19	0.011	14,311	13.62	3,563	744.8	0.68	0.5	44,297	48,605	tdk melimpas	40,182	30,144	berhasil
9	Mei 1	40,182	30,144	58.74	1.22	0.011	13,906	14.97	2,677	401.8	1.92	0.5	44,297	47,376	tdk melimpas	41,411	31,373	berhasil
10	2	41,411	31,373	55.00	0.51	0.010	14,486	16.52	3,211	414.1	2.54	0.5	175,376	179,001	tdk melimpas	10,038	-	gagal
11	Jun 1	10,038	-	55.00	0.51	0.010	13,423	16.17	1,232	100.4	3.04	0.5	196,698	198,031	tdk melimpas	10,038	-	gagal
12	2	10,038	-	55.00	0.51	0.010	13,284	14.75	1,125	100.4	2.54	0.5	164,448	165,673	tdk melimpas	10,038	-	gagal
13	Jul 1	10,038	-	55.00	0.51	0.010	13,236	15.57	1,187	100.4	2.00	0.5	129,591	130,878	tdk melimpas	10,038	-	gagal
14	2	10,038	-	55.00	0.51	0.010	14,017	16.33	1,328	100.4	1.00	0.5	69,229	70,658	tdk melimpas	10,038	-	gagal
15	Agt 1	10,038	-	56.78	0.80	0.010	13,095	18.18	1,386	100.4	Bero	0.5	-	1,486	tdk melimpas	21,647	11,609	bero
16	2	21,647	11,609	58.01	1.06	0.010	13,919	18.39	2,368	216.5	Bero	0.5	-	2,584	tdk melimpas	32,982	22,944	bero
17	Sep 1	32,982	22,944	58.84	1.24	0.010	13,026	19.24	3,049	329.8	Bero	0.5	-	3,378	tdk melimpas	42,630	32,592	bero
18	2	42,630	32,592	59.54	1.39	0.010	13,006	17.94	3,331	426.3	Bero	0.5	-	3,757	tdk melimpas	51,879	41,841	bero
19	Okt 1	51,879	41,841	61.00	1.74	0.050	64,832	19.65	4,101	518.8	Bero	1.0	-	4,620	37,615	74,476	64,438	bero
20	2	74,476	64,438	61.00	1.74	0.050	69,143	19.60	5,471	744.8	Bero	1.0	-	6,215	62,927	74,476	64,438	bero
21	Nop 1	74,476	64,438	61.00	1.74	0.050	64,816	15.13	3,958	744.8	Bero	1.0	-	4,703	60,113	74,476	64,438	bero
22	2	74,476	64,438	61.00	1.74	0.050	64,811	12.35	3,232	744.8	Bero	1.0	-	3,977	60,834	74,476	64,438	bero
23	Des 1	74,476	64,438	61.00	1.74	0.050	64,808	10.64	2,783	744.8	1.67	1.0	216,935	3,528	61,280	74,476	64,438	berhasil
24	2	74,476	64,438	61.00	1.74	0.050	69,125	9.96	2,779	744.8	3.19	1.0	440,417	3,524	65,602	74,476	64,438	berhasil

Sumber : Hasil Perhitungan

Perhitungan Simulasi Operasi Embung Ai Mual
AWAL TANAM DES-2

Data Embung :

Crest Spillway Level	=	+ 60.00	m
Min. Operation Level	=	+ 54.00	m
Max. Storage	=	58,283	m3
Dead Storage	=	5,592	m3
Efektif Storage	=	52,691	m3
Tampungan Pertama	=	52,691	m3

Layanan Embung :

Areal Irigasi		=	100.0
Crop Inten.	MT I	=	(100%)
	MT II-a	=	(10%)
	MT II-b	=	(90%)
	MT III	=	(0%)
Kebutuhan Air Baku		=	-

Layanan Embung :

MT I	= 100.0	Ha (Padi)
MT II-a	= 10.0	Ha (Padi)
MT II-b	= 90.0	Ha (Palawija)
MT III	= 0.0	Ha (Palawija)

Periode		Tampungan Awal		Elv. MAW	Luas Genangan	Inflow		Kehilangan			Outflow			Total Out Flow	Limpas	Tampungan Akhir		Keterangan Simulasi
						Debit Sungai (Q)	Total Inflow	Evaporasi		Rembesan	Kebutuhan Irigasi							
No	Bulan	Total (m3)	Efektif (m3)		(ha)	(m3/det)	(m3)	(mm)	m3	(m3)	DR (lt/det/Ha)	FK	Keb. Irigasi (m3)	(m3)	(m3)	Total (m3)	Efektif (m3)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
				59.60	1.40											52,691	47,099	
1	Jan 1	52,691	47,099	60.00	1.49	0.050	64,813	8.91	1,877	526.9	3.11	1.0	402,716	2,404	56,817	58,283	52,691	berhasil
2	2	58,283	52,691	60.00	1.49	0.050	69,129	7.53	1,799	582.8	2.45	1.0	338,482	2,382	66,747	58,283	52,691	berhasil
3	Feb 1	58,283	52,691	60.00	1.49	0.060	72,478	6.67	1,396	582.8	2.22	1.0	269,135	1,979	70,499	58,283	52,691	berhasil
4	2	58,283	52,691	60.00	1.49	0.053	63,694	9.07	1,897	582.8	2.93	1.0	354,617	2,479	61,215	58,283	52,691	berhasil
5	Mar 1	58,283	52,691	60.00	1.49	0.053	68,739	8.70	1,949	582.8	2.65	1.0	344,060	2,532	66,207	58,283	52,691	berhasil
6	2	58,283	52,691	60.00	1.49	0.052	71,877	8.42	2,013	582.8	2.69	1.0	372,478	2,595	69,282	58,283	52,691	berhasil
7	Apr 1	58,283	52,691	60.00	1.49	0.011	14,890	9.11	2,042	582.8	1.67	1.0	215,944	2,625	12,265	58,283	52,691	berhasil
8	2	58,283	52,691	60.00	1.49	0.011	14,311	13.62	3,052	582.8	0.45	1.0	57,870	3,635	10,676	58,283	52,691	berhasil
9	Mei 1	58,283	52,691	55.99	0.65	0.011	13,906	14.97	3,356	582.8	0.81	0.5	52,438	56,377	tdk melimpas	15,812	10,220	berhasil
10	2	15,812	10,220	53.98	0.38	0.010	14,486	16.52	1,713	158.1	2.07	0.5	143,237	145,109	tdk melimpas	5,592	-	gagal
11	Jun 1	5,592	-	53.98	0.38	0.010	13,423	16.17	922	55.9	2.51	0.5	162,775	163,753	tdk melimpas	5,592	-	gagal
12	2	5,592	-	53.98	0.38	0.010	13,284	14.75	841	55.9	2.76	0.5	178,704	179,602	tdk melimpas	5,592	-	gagal
13	Jul 1	5,592	-	53.98	0.38	0.010	13,236	15.57	888	55.9	2.69	0.5	174,630	175,574	tdk melimpas	5,592	-	gagal
14	2	5,592	-	53.98	0.38	0.010	14,017	16.33	994	55.9	2.09	0.5	144,646	145,695	tdk melimpas	5,592	-	gagal
15	Agt 1	5,592	-	53.98	0.38	0.010	13,095	18.18	1,037	55.9	1.10	0.5	71,353	72,446	tdk melimpas	5,592	-	gagal
16	2	5,592	-	56.34	0.72	0.010	13,919	18.39	1,119	55.9	Bero	0.5	-	1,175	tdk melimpas	18,336	12,744	bero
17	Sep 1	18,336	12,744	57.61	0.97	0.010	13,026	19.24	2,066	183.4	Bero	0.5	-	2,249	tdk melimpas	29,113	23,521	bero
18	2	29,113	23,521	58.55	1.17	0.010	13,006	17.94	2,620	291.1	Bero	0.5	-	2,911	tdk melimpas	39,208	33,616	bero
19	Okt 1	39,208	33,616	60.00	1.49	0.050	64,832	19.65	3,459	392.1	Bero	1.0	-	3,851	41,907	58,283	52,691	bero
20	2	58,283	52,691	60.00	1.49	0.050	69,143	19.60	4,686	582.8	Bero	1.0	-	5,269	63,874	58,283	52,691	bero
21	Nop 1	58,283	52,691	60.00	1.49	0.050	64,816	15.13	3,390	582.8	Bero	1.0	-	3,973	60,843	58,283	52,691	bero
22	2	58,283	52,691	60.00	1.49	0.050	64,811	12.35	2,769	582.8	Bero	1.0	-	3,351	61,460	58,283	52,691	bero
23	Des 1	58,283	52,691	60.00	1.49	0.050	64,808	10.64	2,384	582.8	Bero	1.0	-	2,967	61,841	58,283	52,691	bero
24	2	58,283	52,691	60.00	1.49	0.050	69,125	9.96	2,380	582.8	1.59	1.0	220,208	2,963	66,162	58,283	52,691	berhasil

Sumber : Hasil Perhitungan

Perhitungan Simulasi Operasi Embung A Mual

AWAL TANAM NOP-1

Data Embung :

Crest Spillway Level	=	+61.00 m
Min. Operation Level	=	+55.00 m
Max. Storage	=	74,476.07 m3
Dead Storage	=	10,037.93 m3
Efektif Storage	=	64,438.15 m3
Tampungan Pertama	=	64,438.15 m3

Layanan Embung :

Areal Irigasi		=	100.0
Crop Inten.	MT I	=	(100%)
	MT II-a	=	(0%)
	MT II-b	=	(100%)
	MT III	=	(0%)
Kebutuhan Air Baku		=	-

Layanan Embung :

MT I	= 100.0
MT II-a	= 0.0
MT II-b	= 100.0
MT III	= 0.0

Periode		Tampungan Awal		Elv. MAW	Luas Genangan	Inflow		Kehilangan			Outflow			Total Out Flow	Limpas
						Debit Sungai (Q)	Total Inflow	Evaporasi		Rembesan	Kebutuhan Irigasi				
No	Bulan	Total (m3)	Efektif (m3)		(ha)	(m3/det)	(m3)	(mm)	m3	(m3)	DR (lt/det/Ha)	FK	Keb. Irigasi (m3)	(m3)	(m3)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
				61.00	1.74										
1	Jan 1	74,476	64,438	61.00	1.74	0.050	64,813	8.91	2,331	744.8	2.29	1.0	296,872	3,076	61,737
2	2	74,476	64,438	61.00	1.74	0.050	69,129	7.53	2,101	744.8	1.76	1.0	243,547	2,845	66,284
3	Feb 1	74,476	64,438	61.00	1.74	0.060	72,478	6.67	1,629	744.8	1.57	1.0	189,903	2,374	70,104
4	2	74,476	64,438	61.00	1.74	0.053	63,694	9.07	2,214	744.8	1.13	1.0	136,259	2,959	60,736
5	Mar 1	74,476	64,438	61.00	1.74	0.053	68,739	8.70	2,275	744.8	0.10	1.0	12,346	3,020	65,719
6	2	74,476	64,438	61.00	1.74	0.052	71,877	8.42	2,349	744.8	0.10	1.0	14,159	17,253	54,624
7	Apr 1	74,476	64,438	57.59	0.97	0.011	14,890	9.11	2,384	744.8	0.88	0.5	57,281	60,410	tdk melimpas
8	2	28,956	18,918	55.00	0.51	0.011	14,311	13.62	1,982	289.6	2.06	0.5	133,603	135,875	tdk melimpas
9	Mei 1	10,038	-	55.00	0.51	0.011	13,906	14.97	1,141	100.4	2.67	0.5	173,293	174,535	tdk melimpas
10	2	10,038	-	55.00	0.51	0.010	14,486	16.52	1,343	100.4	2.65	0.5	183,381	184,824	tdk melimpas
11	Jun 1	10,038	-	55.00	0.51	0.010	13,423	16.17	1,232	100.4	1.83	0.5	118,815	120,148	tdk melimpas
12	2	10,038	-	55.00	0.51	0.010	13,284	14.75	1,125	100.4	0.57	0.5	36,796	38,021	tdk melimpas
13	Jul 1	10,038	-	56.82	0.81	0.010	13,236	15.57	1,187	100.4	Bero	0.5	-	1,287	tdk melimpas
14	2	21,987	11,949	58.07	1.07	0.010	14,017	16.33	2,127	219.9	Bero	0.5	-	2,346	tdk melimpas
15	Agt 1	33,658	23,620	58.92	1.25	0.010	13,095	18.18	2,915	336.6	Bero	0.5	-	3,251	tdk melimpas
16	2	43,501	33,463	59.64	1.41	0.010	13,919	18.39	3,691	435.0	Bero	0.5	-	4,126	tdk melimpas
17	Sep 1	53,294	43,256	60.21	1.55	0.010	13,026	19.24	4,081	532.9	Bero	0.5	-	4,614	tdk melimpas
18	2	61,706	51,668	60.72	1.67	0.010	13,006	17.94	4,163	617.1	Bero	1.0	-	4,780	tdk melimpas
19	Okt 1	69,932	59,894	61.00	1.74	0.050	64,832	19.65	4,934	699.3	Bero	1.0	-	5,634	54,655
20	2	74,476	64,438	61.00	1.74	0.050	69,143	19.60	5,471	744.8	Bero	1.0	-	6,215	62,927
21	Nop 1	74,476	64,438	61.00	1.74	0.050	64,816	15.13	3,958	744.8	1.86	1.0	240,462	4,703	60,113
22	2	74,476	64,438	61.00	1.74	0.050	64,811	12.35	3,232	744.8	3.27	1.0	423,299	3,977	60,834
23	Des 1	74,476	64,438	61.00	1.74	0.050	64,808	10.64	2,783	744.8	2.69	1.0	349,154	3,528	61,280
24	2	74,476	64,438	61.00	1.74	0.050	69,125	9.96	2,779	744.8	2.45	1.0	339,377	3,524	65,602

Sumber : Hasil Perhitungan

Perhitungan Simulasi Operasi Embung Ai Mual

AWAL TANAM NOP-2

Data Embung :

Crest Spillway Level	=	+ 61.00 m
Min. Operation Level	=	+ 55.00 m
Max. Storage	=	74,476 m3
Dead Storage	=	10,038 m3
Efektif Storage	=	64,438 m3
Tampungan Pertama	=	64,438 m3

Layanan Embung :

Areal Irigasi		=	100.0
Crop Inten.	MT I	=	(100%)
	MT II-a	=	(0%)
	MT II-b	=	(100%)
	MT III	=	(0%)
Kebutuhan Air Baku		=	-

Layanan Embung :

MT I	= 100.0
MT II-a	= 0.0
MT II-b	= 100.0
MT III	= 0.0

Periode			Tampungan Awal		Elv. MAW	Luas Genangan	Inflow		Kehilangan			Outflow			Total Out Flow	Limpas
							Debit Sungai (Q)	Total Inflow	Evaporasi		Rembesan	Kebutuhan Irigasi				
No	Bulan		Total (m3)	Efektif (m3)		(ha)	(m3/det)	(m3)	(mm)	m3	(m3)	DR (lt/det/Ha)	FK	Keb. Irigasi (m3)	(m3)	(m3)
(1)	(2)		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
					61.00	1.74										
1	Jan	1	74,476	64,438	61.00	1.74	0.050	64,813	8.91	2,331	744.8	2.87	1.0	371,473	3,076	61,737
2		2	74,476	64,438	61.00	1.74	0.050	69,129	7.53	2,101	744.8	2.33	1.0	322,267	2,845	66,284
3	Feb	1	74,476	64,438	61.00	1.74	0.060	72,478	6.67	1,629	744.8	2.17	1.0	261,926	2,374	70,104
4		2	74,476	64,438	61.00	1.74	0.053	63,694	9.07	2,214	744.8	2.81	1.0	339,925	2,959	60,736
5	Mar	1	74,476	64,438	61.00	1.74	0.053	68,739	8.70	2,275	744.8	1.46	1.0	189,744	3,020	65,719
6		2	74,476	64,438	61.00	1.74	0.052	71,877	8.42	2,349	744.8	0.45	1.0	61,728	3,094	68,783
7	Apr	1	74,476	64,438	60.63	1.65	0.011	14,890	9.11	2,384	744.8	0.27	0.5	17,727	20,856	tdk melimpas
8		2	68,510	58,472	55.00	0.51	0.011	14,311	13.62	3,375	685.1	1.45	0.5	94,196	98,257	tdk melimpas
9	Mei	1	10,038	-	55.00	0.51	0.011	13,906	14.97	1,141	100.4	2.34	0.5	151,631	152,873	tdk melimpas
10		2	10,038	-	55.00	0.51	0.010	14,486	16.52	1,343	100.4	2.92	0.5	201,731	203,174	tdk melimpas
11	Jun	1	10,038	-	55.00	0.51	0.010	13,423	16.17	1,232	100.4	2.63	0.5	170,271	171,603	tdk melimpas
12		2	10,038	-	55.00	0.51	0.010	13,284	14.75	1,125	100.4	1.65	0.5	106,799	108,024	tdk melimpas
13	Jul	1	10,038	-	55.00	0.51	0.010	13,236	15.57	1,187	100.4	0.63	0.5	40,535	41,822	tdk melimpas
14		2	10,038	-	56.91	0.83	0.010	14,017	16.33	1,328	100.4	Bero	0.5	-	1,429	tdk melimpas
15	Agt	1	22,627	12,589	58.04	1.06	0.010	13,095	18.18	2,265	226.3	Bero	0.5	-	2,492	tdk melimpas
16		2	33,230	23,192	58.93	1.26	0.010	13,919	18.39	3,122	332.3	Bero	0.5	-	3,455	tdk melimpas
17	Sep	1	43,694	33,656	59.59	1.40	0.010	13,026	19.24	3,631	436.9	Bero	0.5	-	4,067	tdk melimpas
18		2	52,653	42,615	60.19	1.54	0.010	13,006	17.94	3,777	526.5	Bero	0.5	-	4,304	tdk melimpas
19	Okt	1	61,355	51,317	61.00	1.74	0.050	64,832	19.65	4,544	613.6	Bero	1.0	-	5,157	46,554
20		2	74,476	64,438	61.00	1.74	0.050	69,143	19.60	5,471	744.8	Bero	1.0	-	6,215	62,927
21	Nop	1	74,476	64,438	61.00	1.74	0.050	64,816	15.13	3,958	744.8	Bero	1.0	-	4,703	60,113
22		2	74,476	64,438	61.00	1.74	0.050	64,811	12.35	3,232	744.8	1.85	1.0	239,425	3,977	60,834
23	Des	1	74,476	64,438	61.00	1.74	0.050	64,808	10.64	2,783	744.8	3.35	1.0	433,871	3,528	61,280
24		2	74,476	64,438	61.00	1.74	0.050	69,125	9.96	2,779	744.8	3.03	1.0	418,327	3,524	65,602

Sumber : Hasil Perhitungan

Perhitungan Simulasi Operasi Embung Ai Mual

AWAL TANAM DES-1

Data Embung :

Crest Spillway Level	=	+ 61.00 m
Min. Operation Level	=	+ 55.00 m
Max. Storage	=	74,476 m3
Dead Storage	=	10,038 m3
Efektif Storage	=	64,438 m3
Tampungan Pertama	=	64,438 m3

Layanan Embung :

Areal Irigasi		=	100.0
Crop Inten.	MT I	=	(100%)
	MT II-a	=	(0%)
	MT II-b	=	(100%)
	MT III	=	(0%)
Kebutuhan Air Baku		=	-

Layanan Embung :

MT I	= 100.0
MT II-a	= 0.0
MT II-b	= 100.0
MT III	= 0.0

Periode		Tampungan Awal		Elv. MAW	Luas Genangan	Inflow		Kehilangan			Outflow			Total Out Flow	Limpas
						Debit Sungai (Q)	Total Inflow	Evaporasi		Rembesan	Kebutuhan Irigasi				
No	Bulan	Total (m3)	Efektif (m3)		(ha)	(m3/det)	(m3)	(mm)	m3	(m3)	DR (lt/det/Ha)	FK	Keb. Irigasi (m3)	(m3)	(m3)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
				61.00	1.74										
1	Jan 1	74,476	64,438	61.00	1.74	0.050	64,813	8.91	2,331	744.8	2.74	1.0	354,599	3,076	61,737
2	2	74,476	64,438	61.00	1.74	0.050	69,129	7.53	2,101	744.8	2.36	1.0	326,914	2,845	66,284
3	Feb 1	74,476	64,438	61.00	1.74	0.060	72,478	6.67	1,629	744.8	2.20	1.0	265,530	2,374	70,104
4	2	74,476	64,438	61.00	1.74	0.053	63,694	9.07	2,214	744.8	2.89	1.0	349,720	2,959	60,736
5	Mar 1	74,476	64,438	61.00	1.74	0.053	68,739	8.70	2,275	744.8	2.58	1.0	333,996	3,020	65,719
6	2	74,476	64,438	61.00	1.74	0.052	71,877	8.42	2,349	744.8	1.61	1.0	222,194	3,094	68,783
7	Apr 1	74,476	64,438	61.00	1.74	0.011	14,890	9.11	2,384	744.8	0.45	1.0	57,870	3,129	11,761
8	2	74,476	64,438	59.36	1.35	0.011	14,311	13.62	3,563	744.8	0.54	0.5	35,086	39,394	tdk melimpas
9	Mei 1	49,393	39,355	55.00	0.51	0.011	13,906	14.97	3,036	493.9	1.67	0.5	108,308	111,838	tdk melimpas
10	2	10,038	-	55.00	0.51	0.010	14,486	16.52	1,343	100.4	2.55	0.5	176,245	177,688	tdk melimpas
11	Jun 1	10,038	-	55.00	0.51	0.010	13,423	16.17	1,232	100.4	2.89	0.5	187,111	188,443	tdk melimpas
12	2	10,038	-	55.00	0.51	0.010	13,284	14.75	1,125	100.4	2.37	0.5	153,752	154,977	tdk melimpas
13	Jul 1	10,038	-	55.00	0.51	0.010	13,236	15.57	1,187	100.4	1.77	0.5	114,399	115,685	tdk melimpas
14	2	10,038	-	55.00	0.51	0.010	14,017	16.33	1,328	100.4	0.66	0.5	45,371	46,799	tdk melimpas
15	Agt 1	10,038	-	56.78	0.80	0.010	13,095	18.18	1,386	100.4	Bero	0.5	-	1,486	tdk melimpas
16	2	21,647	11,609	58.01	1.06	0.010	13,919	18.39	2,368	216.5	Bero	0.5	-	2,584	tdk melimpas
17	Sep 1	32,982	22,944	58.84	1.24	0.010	13,026	19.24	3,049	329.8	Bero	0.5	-	3,378	tdk melimpas
18	2	42,630	32,592	59.54	1.39	0.010	13,006	17.94	3,331	426.3	Bero	0.5	-	3,757	tdk melimpas
19	Okt 1	51,879	41,841	61.00	1.74	0.050	64,832	19.65	4,101	518.8	Bero	1.0	-	4,620	37,615
20	2	74,476	64,438	61.00	1.74	0.050	69,143	19.60	5,471	744.8	Bero	1.0	-	6,215	62,927
21	Nop 1	74,476	64,438	61.00	1.74	0.050	64,816	15.13	3,958	744.8	Bero	1.0	-	4,703	60,113
22	2	74,476	64,438	61.00	1.74	0.050	64,811	12.35	3,232	744.8	Bero	1.0	-	3,977	60,834
23	Des 1	74,476	64,438	61.00	1.74	0.050	64,808	10.64	2,783	744.8	1.67	1.0	216,935	3,528	61,280
24	2	74,476	64,438	61.00	1.74	0.050	69,125	9.96	2,779	744.8	3.19	1.0	440,417	3,524	65,602

Sumber : Hasil Perhitungan

Perhitungan Simulasi Operasi Embung Ai Mual

AWAL TANAM DES-2

Data Embung :

Crest Spillway Level	=	+ 60.00	m
Min. Operation Level	=	+ 54.00	m
Max. Storage	=	58,283	m3
Dead Storage	=	5,592	m3
Efektif Storage	=	52,691	m3
Tampungan Pertama	=	52,691	m3

Layanan Embung :

Areal Irigasi		=	100.0
Crop Inten.	MT I	=	(100%)
	MT II-a	=	(0%)
	MT II-b	=	(100%)
	MT III	=	(0%)
Kebutuhan Air Baku		=	-

Layanan Embung :

MT I	= 100.0
MT II-a	= 0.0
MT II-b	= 100.0
MT III	= 0.0

Periode			Tampungan Awal		Elv. MAW	Luas Genangan	Inflow		Kehilangan			Outflow			Total Out Flow	Limpas
							Debit Sungai (Q)	Total Inflow	Evaporasi		Rembesan	Kebutuhan Irigasi				
No	Bulan		Total (m3)	Efektif (m3)		(ha)	(m3/det)	(m3)	(mm)	m3	(m3)	DR (lt/det/Ha)	FK	Keb. Irigasi (m3)	(m3)	(m3)
(1)	(2)		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
					59.60	1.40										
1	Jan	1	52,691	47,099	60.00	1.49	0.050	64,813	8.91	1,877	526.9	3.11	1.0	402,716	2,404	56,817
2		2	58,283	52,691	60.00	1.49	0.050	69,129	7.53	1,799	582.8	2.45	1.0	338,482	2,382	66,747
3	Feb	1	58,283	52,691	60.00	1.49	0.060	72,478	6.67	1,396	582.8	2.22	1.0	269,135	1,979	70,499
4		2	58,283	52,691	60.00	1.49	0.053	63,694	9.07	1,897	582.8	2.93	1.0	354,617	2,479	61,215
5	Mar	1	58,283	52,691	60.00	1.49	0.053	68,739	8.70	1,949	582.8	2.65	1.0	344,060	2,532	66,207
6		2	58,283	52,691	60.00	1.49	0.052	71,877	8.42	2,013	582.8	2.69	1.0	372,478	2,595	69,282
7	Apr	1	58,283	52,691	60.00	1.49	0.011	14,890	9.11	2,042	582.8	1.67	1.0	215,944	2,625	12,265
8		2	58,283	52,691	60.00	1.49	0.011	14,311	13.62	3,052	582.8	0.45	1.0	57,870	3,635	10,676
9	Mei	1	58,283	52,691	57.17	0.88	0.011	13,906	14.97	3,356	582.8	0.67	0.5	43,323	47,262	tdk melimpas
10		2	24,927	19,335	53.98	0.38	0.010	14,486	16.52	2,336	249.3	1.81	0.5	125,272	127,857	tdk melimpas
11	Jun	1	5,592	-	53.98	0.38	0.010	13,423	16.17	922	55.9	2.53	0.5	163,722	164,700	tdk melimpas
12		2	5,592	-	53.98	0.38	0.010	13,284	14.75	841	55.9	2.61	0.5	169,119	170,016	tdk melimpas
13	Jul	1	5,592	-	53.98	0.38	0.010	13,236	15.57	888	55.9	2.53	0.5	163,941	164,885	tdk melimpas
14		2	5,592	-	53.98	0.38	0.010	14,017	16.33	994	55.9	1.85	0.5	128,047	129,096	tdk melimpas
15	Agt	1	5,592	-	53.98	0.38	0.010	13,095	18.18	1,037	55.9	0.73	0.5	47,334	48,426	tdk melimpas
16		2	5,592	-	56.34	0.72	0.010	13,919	18.39	1,119	55.9	Bero	0.5	-	1,175	tdk melimpas
17	Sep	1	18,336	12,744	57.61	0.97	0.010	13,026	19.24	2,066	183.4	Bero	0.5	-	2,249	tdk melimpas
18		2	29,113	23,521	58.55	1.17	0.010	13,006	17.94	2,620	291.1	Bero	0.5	-	2,911	tdk melimpas
19	Okt	1	39,208	33,616	60.00	1.49	0.050	64,832	19.65	3,459	392.1	Bero	1.0	-	3,851	41,907
20		2	58,283	52,691	60.00	1.49	0.050	69,143	19.60	4,686	582.8	Bero	1.0	-	5,269	63,874
21	Nop	1	58,283	52,691	60.00	1.49	0.050	64,816	15.13	3,390	582.8	Bero	1.0	-	3,973	60,843
22		2	58,283	52,691	60.00	1.49	0.050	64,811	12.35	2,769	582.8	Bero	1.0	-	3,351	61,460
23	Des	1	58,283	52,691	60.00	1.49	0.050	64,808	10.64	2,384	582.8	Bero	1.0	-	2,967	61,841
24		2	58,283	52,691	60.00	1.49	0.050	69,125	9.96	2,380	582.8	1.59	1.0	220,208	2,963	66,162

Sumber : Hasil Perhitungan

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