

Daftar Pustaka

- Adillah Firstania Azis A. 2019. Optimasi Pola Operasi Waduk Bili-Bili dan Model Simulasi Untuk Memenuhi Kebutuhan PLTA. Gowa: Universitas Hasanuddin.
- Ahmad, A. 2014. *Reservoir optimization in water resources: a review*. *Water Resources Management*, 28(11), 3391–3405. <https://doi.org/10.1007/s11269-014-0700-5>
- Bagiawan A. 2013. Perhitungan Kebutuhan Kapasitas Tampung Bagi Rencana Pengembangan Areal Layanan Irigasi Dari Bendung Perjaya-Sumatera Selatan Dengan Metode Numerik dan “Sequent Peak”. Bandung: Balitbang Kementerian PUPR.
- BPS. 2020. Kecamatan Bontoramba Dalam Angka. Jenepono: Bilal Jaya Mandiri
- Br, Sri Harto. 1993. Analisis Hidrologi. Jakarta: Gramedia Pustaka Utama
- Dwie Yulianto, H. Satupa, IN. 2005. Riset Operasi Dengan Excel. Yogyakarta: Penerbit Andi
- Ginting S., Bagiawan A. 2018. Optimasi Pemanfaatan Air Embung Kasih Untuk Domestik Dan Irigasi Tetes. *Jurnal Irigasi*, 13(1), 41-54, http://jurnalirigasi_pusair.pu.go.id

Klemes V. 1987. *One hundred years of applied storage reservoir theory*.
Water Resources Management. Geneva: WMO Publ. No. 356,
World Meteorological Organization.

Muliakusuma. 1981. "Proyeksi Penduduk". Jakarta: Lembaga Demografi
FEUI.

Nurdiana Putri, S., 2016. Tinjauan Ulang Optimasi Tampungan Embung
Bisok Bokah Untuk Keperluan Air Irigasi di Kecamatan Kopang
Kabupaten Lombok Tengah. Mataram: Unram

Ripple. 1883. Operasi Waduk. Yogyakarta: Keluarga Mahasiswa Teknik
Sipil Universitas Gadjah Mada.

Soedibyo. 1998. Perencanaan Bendungan. Jakarta: Pradnya Paramita.

Subarkah, Imam. 1980. Hidrologi untuk Perencanaan Bangunan Air.
Bandung: Idea Dharma

Sugiyono. 2012. memahami penelitian kualitatif". Bandung: Alfabeta

Soemarto, CD. 1995. Hidrologi Teknik. Jakarta: Erlangga.

Triatmodjo, Bambang, 2008. Hidrologi Terapan. Yogyakarta: Beta Offset

Wulandari, Dyah A., Darsono S., Legono D. (2012). Optimasi Pemanfaatan Air
Waduk Wonogiri dengan Program Dinamik. PIT HATHI XXIX,
Bandung.

LAMPIRAN

PERHITUNGAN DEBIT BULANAN DENGAN METODE NRECA

PERHITUNGAN DEBIT BULANAN DENGAN METODE NRECA

TAHUN : 1995
 DAS : KAWARI

BULAN	PER.	jumlah hari	CH Rerata 1/2 bulanan (mm)	Evaporasi Potensial (PET) (mm)	Tamp. Kelengasan Awal (Wo) (mm)0.5 bulan	Rasio Tamp. Tanah (W)	CH Rerata/ PET	AET /PET	Evapotranspirasi aktual (AET) (mm)	Keseimbangan Air (WB) (mm)	Rasio Kelebihan Kelengasan (EMR)	Kelebihan Kelengasan (EM) (mm)	Perubahan Tumpungan (DS) (mm)	Tamp. Air Tanah (RGW) (mm)	Tamp. Air Tanah Awal (DF) (mm)	Tamp. Air Tanah Akhir (ESGW) (mm)	Aliran Air Tanah (GWF) (mm)	Larian Langsung (DRO) (mm)	Aliran Total (mm)	Aliran Total (m ³)
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Januari	I	15	441	51.58	600.00	0.71	8.54	1.00	30.95	409.67	0.38	153.84	255.83	15.38	2.00	17.38	15.65	138.45	154.10	2,274.486
	II	16	229	55.02	855.83	1.01	4.17	1.00	33.01	196.32	0.56	109.15	87.17	10.91	1.74	12.65	11.39	98.23	109.62	1,617.977
Pebruari	I	14	122	47.00	943.00	1.11	2.59	1.00	28.20	93.56	0.62	57.77	35.79	5.78	1.27	7.04	6.34	51.99	58.33	860.971
	II	14	126	47.00	978.79	1.15	2.69	1.00	28.20	98.24	0.64	63.14	35.10	6.31	0.70	7.02	6.32	56.83	63.14	931.987
Maret	I	15	256	53.46	1013.89	1.19	4.79	1.00	32.07	224.01	0.67	149.52	74.49	14.95	0.70	15.65	14.09	134.57	148.66	2,194.150
	II	16	147	57.02	1088.39	1.28	2.57	1.00	34.21	112.51	0.72	81.01	31.50	8.10	1.57	9.67	8.70	72.91	81.61	1,204.495
April	I	15	345	53.87	1119.89	1.32	6.40	1.00	32.32	312.68	0.74	232.08	80.60	23.21	0.97	24.17	21.76	208.87	230.63	3,404.123
	II	15	106	53.87	1200.49	1.41	1.96	1.00	32.32	73.28	0.80	58.56	14.72	5.86	2.42	8.27	7.45	52.70	60.15	887.752
Mei	I	15	135	55.57	1215.21	1.43	2.42	1.00	33.34	101.30	0.81	82.00	19.30	8.20	0.83	9.03	8.12	73.80	81.92	1,209.200
	II	16	60	59.28	1234.51	1.45	1.02	1.00	35.57	24.92	0.82	20.51	4.41	2.05	0.90	2.95	2.66	18.46	21.12	311.663
Juni	I	15	193	54.38	1238.92	1.46	3.54	1.00	32.63	159.94	0.83	132.14	27.80	13.21	0.30	13.51	12.16	118.92	131.08	1,934.759
	II	15	173	54.38	1266.72	1.49	3.19	1.00	32.63	140.66	0.85	118.97	21.69	11.90	1.35	13.25	11.92	107.07	118.99	1,756.317
Juli	I	15	92	55.12	1288.41	1.51	1.67	1.00	33.07	59.04	0.86	50.84	8.20	5.08	1.32	6.41	5.77	45.76	51.53	760.541
	II	16	0	58.80	1296.61	1.52	0.00	0.76	26.88	-26.88	0.00	0.00	-26.88	0.00	0.04	0.64	0.58	0.00	0.58	8.514
Agustus	I	15	4	61.88	1269.73	1.49	0.07	0.76	28.37	-24.01	0.00	0.00	-24.01	0.00	0.00	0.06	0.06	0.00	0.06	851
	II	16	0	66.01	1245.73	1.46	0.00	0.73	29.01	-28.89	0.00	0.00	-28.89	0.00	0.01	0.01	0.01	0.00	0.01	85
September	I	15	11	66.33	1216.84	1.43	0.16	0.76	30.26	-19.70	0.00	0.00	-19.70	0.00	0.00	0.00	0.00	0.00	0.00	9
	II	15	24	66.33	1197.13	1.41	0.36	0.81	32.27	-8.27	0.00	0.00	-8.27	0.00	0.00	0.00	0.00	0.00	0.00	1
Oktober	I	15	50	64.92	1188.87	1.40	0.77	0.93	36.24	13.68	0.79	10.82	2.86	1.08	0.00	1.08	0.97	9.74	10.71	158.133
	II	16	62	69.24	1191.73	1.40	0.89	0.97	40.17	21.43	0.79	16.99	4.44	1.70	0.11	1.81	1.63	15.29	16.92	249.723
Nopember	I	15	362	58.74	1196.17	1.41	6.16	1.00	35.24	326.73	0.80	260.08	66.64	26.01	0.18	26.19	23.57	234.07	257.64	3,802.834
	II	15	249	58.74	1262.81	1.48	4.24	1.00	35.24	213.92	0.84	180.34	33.58	18.03	2.62	20.65	18.59	162.31	180.90	2,670.011
Desember	I	15	447	51.95	1296.39	1.52	8.61	1.00	31.17	415.88	0.87	360.45	55.43	36.05	2.07	38.11	34.30	324.41	358.70	5,294.485
	II	16	121	55.41	1351.81	1.59	2.19	1.00	33.24	87.92	0.91	79.64	8.28	7.96	3.81	11.77	10.60	71.67	82.27	1,214.292
RATA-2			156.44	57.33	1156.58	1.38	2.88	0.95	32.36	124.08	0.60	92.41	31.67	9.24	1.06	10.31	9.28	83.17	92.44	1364473.31
JUMLAH			3,754.56	1,375.91	27,757.87	32.62	69.01	22.73	776.63	2,977.93	14.28	2,217.83	760.09	221.78	25.56	247.34	222.61	1,996.05	2,218.66	32,747,359.45

PERHITUNGAN DEBIT BULANAN DENGAN METODE NRECA

TAHUN : 1996
 DAS : KAWARI

BULAN	PER.	jumlah hari	CH Rerata 1/2 bulanan (mm)	Evaporasi Potensial (PET) (mm)	Tamp. Kelengasan Awal (Wo) (mm)0.5 bulan	Rasio Tamp. Tanah (W)	CH Rerata/ PET	AET /PET	Evapotranspirasi aktual (AET) (mm)	Keseimbangan Air (WB) (mm)	Rasio Kelebihan Kelengasan (EMR)	Kelebihan Kelengasan (EM) (mm)	Perubahan Tumpungan (DS) (mm)	Tamp. Air Tanah (RGW) (mm)	Tamp. Air Tanah Awal (DF) (mm)	Tamp. Air Tanah Akhir (ESGW) (mm)	Aliran Air Tanah (GWF) (mm)	Larian Langsung (DRO) (mm)	Aliran Total (mm)	Aliran Total (m ³)
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Januari	I	15	204	51.58	1360.09	1.65	3.95	1.00	30.95	172.90	0.94	162.82	10.07	16.28	1.18	17.46	15.71	146.54	162.26	2,394.890
	II	16	274	55.02	1370.17	1.66	4.98	1.00	33.01	240.91	0.95	228.64	12.27	22.86	1.75	24.61	22.15	205.78	227.93	3,364.202
Pebruari	I	14	215	47.00	1382.44	1.68	4.57	1.00	28.20	186.52	0.96	178.68	7.84	17.87	2.46	20.33	18.30	160.82	179.11	2,643.695
	II	15	223	47.00	1390.28	1.69	4.74	1.00	28.20	194.36	0.96	187.31	7.06	18.73	2.03	20.76	18.69	168.57	187.26	2,763.985
Maret	I	15	219	53.46	1397.33	1.69	4.10	1.00	32.07	186.85	0.97	181.02	5.83	18.10	2.08	20.18	18.16	162.92	181.08	2,672.777
	II	16	151	57.02	1403.16	1.70	2.64	1.00	34.21	116.47	0.97	113.33	3.14	11.33	2.02	13.35	12.02	102.00	114.02	1,682.881
April	I	15	131	53.87	1406.30	1.70	2.43	1.00	32.32	98.56	0.98	96.13	2.43	9.61	1.34	10.95	9.85	86.52	96.37	1,422.397
	II	15	125	53.87	1408.73	1.71	2.33	1.00	32.32	93.16	0.98	91.03	2.13	9.10	1.09	10.20	9.18	81.92	91.10	1,344.663
Mei	I	15	54	55.57	1410.86	1.71	0.97	1.00	33.19	20.58	0.98	20.14	0.44	2.01	1.02	3.03	2.73	18.12	20.85	307.800
	II	16	89	59.28	1411.30	1.71	1.51	1.00	35.57	53.72	0.98	52.59	1.13	5.26	0.30	5.56	5.01	47.33	52.34	772.467
Juni	I	15	13	54.38	1412.43	1.71	0.25	0.89	29.09	-15.65	0.00	0.00	-15.65	0.00	0.56	0.56	0.50	0.00	0.50	7.389
	II	15	153	54.38	1396.78	1.69	2.81	1.00	32.63	120.01	0.97	116.22	3.79	11.62	0.06	11.68	10.51	104.60	115.11	1,699.058
Juli	I	15	20	55.12	1400.57	1.70	0.36	0.90	29.90	-9.78	0.00	0.00	-9.78	0.00	1.17	1.17	1.05	0.00	1.05	15.513
	II	16	35	58.80	1390.79	1.69	0.59	0.94	33.01	1.71	0.96	1.65	0.06	0.16	0.12	0.28	0.25	1.48	1.74	25.659
Agustus	I	15	4	61.88	1390.85	1.69	0.06	0.85	31.66	-27.82	0.00	0.00	-27.82	0.00	0.03	0.03	0.03	0.00	0.03	374
	II	16	5	66.01	1363.03	1.65	0.08	0.84	33.25	-28.09	0.00	0.00	-28.09	0.00	0.00	0.00	0.00	0.00	0.00	37
September	I	15	7	66.33	1334.94	1.62	0.10	0.83	32.97	-26.25	0.00	0.00	-26.25	0.00	0.00	0.00	0.00	0.00	0.00	4
	II	15	39	66.33	1308.69	1.59	0.59	0.92	36.45	2.91	0.90	2.63	0.28	0.26	0.00	0.26	0.24	2.37	2.61	38.455
Oktober	I	15	17	64.92	1308.97	1.59	0.27	0.85	33.04	-15.76	0.00	0.00	-15.76	0.00	0.03	0.03	0.02	0.00	0.02	350
	II	16	191	69.24	1293.21	1.57	2.76	1.00	41.55	149.50	0.89	133.51	15.99	13.35	0.00	13.35	12.02	120.16	132.18	1,950.986
Nopember	I	15	130	58.74	1309.19	1.59	2.21	1.00	35.24	94.64	0.90	85.62	9.02	8.56	1.34	9.90	8.91	77.06	85.96	1,268.831
	II	15	485	58.74	1318.21	1.60	8.26	1.00	35.24	449.76	0.91	409.85	39.91	40.99	0.99	41.98	37.78	368.87	406.65	6,002.088
Desember	I	15	231	51.95	1358.12	1.65	4.45	1.00	31.17	200.20	0.94	188.25	11.95	18.82	4.20	23.02	20.72	169.42	190.14	2,806.499
	II	16	611	55.41	1370.07	1.66	11.02	1.00	33.24	577.33	0.95	547.88	29.45	54.79	2.30	57.09	51.38	493.10	544.48	8,036.481
RATA-2			151.05																	

PERHITUNGAN DEBIT BULANAN DENGAN METODE NRECA

TAHUN : 1997
 DAS : KAWARI

BULAN	PER.	jumlah hari	CH Rerata 1/2 bulanan (mm)	Evaporasi Potensial (PET) (mm)	Tamp. Kelengasan Awal (Wo) (mm)0.5 bulan	Rasio Tamp. Tanah (W)	CH Rerata/ PET	AET /PET	Evapotranspirasi aktual (AET) (mm)	Keseimbangan Air (WB) (mm)	Rasio Kelebihan Kelengasan (EMR)	Kelengkapan Kelengasan (EM) (mm)	Perubahan Tumpungan (DS) (mm)	Tamp. Air Tanah (RGW) (mm)	Tamp. Air Tanah Awal (DF) (mm)	Tamp. Air Tanah Akhir (ESGW) (mm)	Aliran Air Tanah (GWF) (mm)	Larian Langsung (DRO) (mm)	Aliran Total (mm)	Aliran Total (m ³)
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Januari	I	15	195	51.58	1399.52	3.29	3.78	1.00	30.95	163.82	1.93	315.48	-151.66	31.55	57.09	88.64	79.77	283.93	363.70	5,368,248
	II	16	104	55.02	1247.86	2.93	1.89	1.00	33.01	70.71	1.71	121.06	-50.34	12.11	8.86	20.97	18.87	108.95	127.82	1,886,656
Pebruari	I	14	103	47.00	1197.52	2.81	2.20	1.00	28.20	75.28	1.64	123.53	-48.25	12.35	2.10	14.45	13.00	111.18	124.18	1,832,935
	II	14	356	47.00	1149.27	2.70	7.57	1.00	28.20	327.48	1.57	515.10	-187.62	51.51	1.44	52.95	47.66	463.59	511.25	7,546,020
Maret	I	15	302	53.46	961.65	2.26	5.64	1.00	32.07	269.57	1.31	352.69	-83.12	35.27	5.30	40.56	36.51	317.42	353.93	5,224,047
	II	16	34	57.02	878.53	2.06	0.59	1.01	34.66	-1.06	0.00	0.00	-1.06	0.00	4.06	4.06	3.65	0.00	3.65	53,886
April	I	15	63	53.87	877.47	2.06	1.18	1.00	32.32	31.04	1.19	36.92	-5.89	3.69	0.41	4.10	3.69	33.23	36.92	544,932
	II	15	43	53.87	871.58	2.05	0.80	1.00	32.48	10.72	1.18	12.67	-1.94	1.27	0.41	1.68	1.51	11.40	12.91	190,571
Mei	I	15	38	55.57	869.64	2.04	0.68	1.01	33.57	4.11	1.18	4.84	-0.73	0.48	0.17	0.65	0.59	4.36	4.94	72,954
	II	16	74	59.28	868.90	2.04	1.25	1.00	35.57	38.36	1.18	45.17	-6.81	4.52	0.07	4.58	4.12	40.65	44.77	660,868
Juni	I	15	3	54.38	862.09	2.03	0.06	1.01	33.02	-30.02	0.00	0.00	-30.02	0.00	0.46	0.46	0.41	0.00	0.41	6,087
	II	15	4	54.38	832.07	1.95	0.07	0.98	31.95	-28.11	0.00	0.00	-28.11	0.00	0.05	0.05	0.04	0.00	0.04	609
Juli	I	15	1	55.12	803.97	1.89	0.02	0.95	31.28	-30.12	0.00	0.00	-30.12	0.00	0.00	0.00	0.00	0.00	0.00	61
	II	16	0	58.80	773.85	1.72	0.00	0.91	32.07	-32.07	0.00	0.00	-32.07	0.00	0.00	0.00	0.00	0.00	0.00	6
Agustus	I	15	0	61.88	741.78	1.84	0.00	0.87	32.35	-32.35	0.00	0.00	-32.35	0.00	0.00	0.00	0.00	0.00	0.00	1
	II	16	0	66.01	709.42	1.67	0.00	0.83	33.01	-33.01	0.00	0.00	-33.01	0.00	0.00	0.00	0.00	0.00	0.00	0
September	I	15	0	66.33	676.42	1.59	0.00	0.79	31.62	-31.62	0.00	0.00	-31.62	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	15	0	66.33	644.79	1.51	0.00	0.76	30.15	-30.15	0.00	0.00	-30.15	0.00	0.00	0.00	0.00	0.00	0.00	0
Oktober	I	15	0	64.92	614.65	1.44	0.00	0.72	28.12	-28.12	0.00	0.00	-28.12	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	16	0	69.24	586.52	1.38	0.00	0.69	28.63	-28.63	0.00	0.00	-28.63	0.00	0.00	0.00	0.00	0.00	0.00	0
Nopember	I	15	0	58.74	557.90	1.31	0.00	0.66	23.10	-23.10	0.00	0.00	-23.10	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	15	237	58.74	534.80	1.26	4.04	1.00	35.24	202.24	0.71	142.87	59.37	14.29	0.00	14.29	12.86	128.58	141.44	2,087,690
Desember	I	15	38	51.95	594.17	1.40	0.73	0.92	28.65	9.42	0.79	7.45	1.98	0.74	1.43	2.17	1.96	6.70	8.66	127,779
	II	16	34	55.41	596.15	1.40	0.61	0.88	29.32	4.24	0.79	3.36	0.88	0.34	0.22	0.55	0.50	3.03	3.53	52,042
RATA-2			109.82	57.33	827.10	1.94	1.30	0.92	31.23	36.61	0.63	70.05	-33.44	7.00	3.42	10.42	9.38	63.04	72.42	1068974.64
JUMLAH			1,628.18	1,375.91	19,850.51	46.64	31.09	21.99	749.54	878.64	15.18	1,681.13	(802.49)	168.11	82.05	250.17	225.15	1,513.02	1,738.17	25,655,391.25

PERHITUNGAN DEBIT BULANAN DENGAN METODE NRECA

TAHUN : 1998
 DAS : KAWARI

BULAN	PER.	jumlah hari	CH Rerata 1/2 bulanan (mm)	Evaporasi Potensial (PET) (mm)	Tamp. Kelengasan Awal (Wo) (mm)0.5 bulan	Rasio Tamp. Tanah (W)	CH Rerata/ PET	AET /PET	Evapotranspirasi aktual (AET) (mm)	Keseimbangan Air (WB) (mm)	Rasio Kelebihan Kelengasan (EMR)	Kelengkapan Kelengasan (EM) (mm)	Perubahan Tumpungan (DS) (mm)	Tamp. Air Tanah (RGW) (mm)	Tamp. Air Tanah Awal (DF) (mm)	Tamp. Air Tanah Akhir (ESGW) (mm)	Aliran Air Tanah (GWF) (mm)	Larian Langsung (DRO) (mm)	Aliran Total (mm)	Aliran Total (m ³)
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Januari	I	15	14	51.58	597.03	0.65	0.27	0.51	15.80	-1.73	0.00	0.00	-1.73	0.00	0.06	0.06	0.05	0.00	0.05	736
	II	16	34	55.02	595.30	0.65	0.62	0.74	24.51	9.49	0.34	3.26	6.23	0.33	0.01	0.33	0.30	2.93	3.23	47,723
Pebruari	I	14	243	47.00	601.53	0.66	5.17	1.00	28.20	214.80	0.35	74.71	140.09	7.47	0.03	7.50	6.75	67.24	74.00	1,092,171
	II	14	151	47.00	741.62	0.81	3.21	1.00	28.20	122.64	0.44	53.95	68.69	5.40	0.75	6.15	5.53	48.56	54.09	798,364
Maret	I	15	116	53.46	810.30	0.89	2.16	1.00	32.07	83.61	0.49	40.56	43.05	4.06	0.61	4.67	4.20	36.50	40.70	600,794
	II	16	124	57.02	853.35	0.93	2.18	1.00	34.21	90.03	0.51	46.22	43.81	4.62	0.47	5.09	4.58	41.60	46.18	681,593
April	I	15	554	53.87	897.16	0.98	10.28	1.00	32.32	521.57	0.54	282.80	238.77	28.28	2.51	28.79	25.91	254.52	280.43	4,139,125
	II	15	455	53.87	1135.93	1.24	8.44	1.00	32.32	422.57	0.70	295.46	127.11	29.55	2.88	32.43	29.18	265.92	295.10	4,355,649
Mei	I	15	31	55.57	1263.04	1.38	0.55	0.86	28.75	1.97	0.78	1.54	0.43	0.15	3.24	3.40	3.06	1.39	4.45	65,641
	II	16	93	59.28	1263.47	1.38	1.56	1.00	35.57	56.95	0.78	44.60	12.36	4.46	0.34	4.80	4.32	40.14	44.46	656,207
Juni	I	15	265	54.38	1275.82	1.40	4.87	1.00	32.63	232.26	0.79	183.76	48.50	18.38	0.48	18.86	16.97	165.38	182.35	2,691,519
	II	15	242	54.38	1324.32	1.45	4.45	1.00	32.63	209.50	0.82	172.43	37.06	17.24	1.89	19.13	17.22	155.19	172.40	2,544,677
Juli	I	15	126	55.12	1361.38	1.49	2.29	1.00	33.07	93.04	0.85	78.85	14.19	7.89	1.91	9.80	8.82	70.97	79.78	1,177,600
	II	16	151	58.80	1375.58	1.51	2.56	1.00	35.28	115.36	0.86	98.84	16.52	9.88	0.98	10.86	9.78	88.96	98.73	1,457,290
Agustus	I	15	214	61.88	1392.10	1.53	3.46	1.00	37.13	177.16	0.87	153.71	23.45	15.37	1.09	16.46	14.81	138.34	153.15	2,260,473
	II	16	191	66.01	1415.55	1.55	2.89	1.00	39.61	151.44	0.88	133.73	17.71	13.37	1.65	15.02	13.52	120.36	133.87	1,975,985
September	I	15	0	66.33	1433.26	1.57	0.00	0.79	31.25	-31.25	0.00	0.00	-31.25	0.00	1.50	1.50	1.35	0.00	1.35	19,951
	II	15	132	66.33	1402.01	1.54	1.98	1.00	39.80	91.72	0.87	80.18	11.54	8.02	0.15	8.17	7.35	72.16	79.52	1,173,645
Oktober	I	15	76	64.92	1413.55	1.55	1.17	1.00	38.95	37.05	0.88	32.67	4.38	3.27	0.82	4.08	3.68	29.40	33.08	488,230
	II	16	234	69.24	1417.94	1.55	3.37	1.00	41.55	192.06	0.88	169.90	22.16	16.99	0.41	17.40	15.66	152.91	168.57	2,488,083
Nopember	I	15	129	58.74	1440.09	1.58	2.19	1.00	35.24	93.40	0.90	83.99	9.41	8.40	1.74	10.14	9.12	75.59	84.71	1,250,340
	II	15	49	58.74	1449.51	1.59	0.83	0.97	34.03	14.93	0.91	13.51	1.41	1.35	1.01	2.37	2.13	12.16	14.29	210,944
Desember	I	15	110	51.95	1450.92	1.59	2.12	1.00	31.17	79.19	0.91	71.78	7.42	7.18	0.24	7.41	6.67	64.60	71.27	1,051,947
	II	16	332	55.41	1458.34	1.60	5.99	1.00	33.24	298.76	0.91	272.23	26.53	27.22	0.74	27.96	25.17	245.01	270.18	3,987,815
RATA-2			193.41	57.33	1182.05	1.29	3.03	0.95	32.81	136.52	0.68	99.53	36.99	9.95	0.98</					

PERHITUNGAN DEBIT BULANAN DENGAN METODE NRECA

TAHUN : 1999
 DAS : KAWARI

BULAN	PER.	jumlah hari	CH Rerata 1/2 bulanan (mm)	Evaporasi Potensial (PET) (mm)	Tamp. Kelengasan Awal (Wo) (mm)0.5 bulan	Rasio Tamp. Tanah (W)	CH Rerata/ PET	AET /PET	Evapotranspirasi aktual (AET) (mm)	Keseimbangan (WB) (mm)	Rasio Kelebihan Kelengasan (EMR)	Kelebihan Kelengasan (EM) (mm)	Perubahan Tampungann (DS) (mm)	Tamp. Air Tanah (RGW) (mm)	Tamp. Air Tanah Awal (DF) (mm)	Tamp. Air Tanah Akhir (ESGW) (mm)	Aliran Air Tanah (GWF) (mm)	Larian Langsung (DRO) (mm)	Aliran Total (mm)	Aliran Total (m ³)
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Januari	I	15	187	51.58	1484.87	1.80	3.62	1.00	30.95	155.98	1.03	161.34	-5.36	16.13	2.80	18.93	17.04	145.21	162.24	2,394,726
	II	16	688	55.02	1479.51	1.80	12.51	1.00	33.01	655.36	1.03	675.34	-19.98	67.53	1.89	69.43	62.48	607.81	670.29	9,893,498
Pebruari	I	14	492	47.00	1459.53	1.77	10.47	1.00	28.20	463.69	1.02	471.07	-7.38	47.11	6.94	54.05	48.64	423.96	472.61	6,975,718
	II	14	186	47.00	1452.14	1.76	3.95	1.00	28.20	157.52	1.01	159.18	-1.66	15.92	5.40	21.32	19.19	143.26	162.46	2,397,843
Maret	I	15	190	53.46	1450.48	1.76	3.56	1.00	32.07	158.17	1.01	159.64	-1.48	15.96	2.13	18.10	16.29	143.68	159.96	2,361,078
	II	16	350	57.02	1449.00	1.76	6.14	1.00	34.21	315.68	1.01	318.28	-2.61	31.83	1.81	33.64	30.27	286.46	316.73	4,674,923
April	I	15	195	53.87	1446.40	1.76	3.62	1.00	32.32	162.52	1.01	163.55	-1.03	16.36	3.36	19.72	17.75	147.20	164.94	2,434,584
	II	15	240	53.87	1445.36	1.75	4.45	1.00	32.32	207.52	1.01	208.69	-1.16	20.87	1.97	22.84	20.56	187.62	208.37	3,075,589
Mei	I	15	19	55.57	1444.20	1.75	0.34	0.92	30.64	-11.57	0.00	0.00	-11.57	0.00	2.28	2.28	2.06	0.00	2.06	30,341
	II	16	1	59.28	1432.63	1.74	0.02	0.87	31.02	-29.86	0.00	0.00	-29.86	0.00	0.23	0.23	0.21	0.00	0.21	3,034
Juni	I	15	29	54.38	1402.77	1.70	0.53	0.93	30.35	-1.55	0.00	0.00	-1.55	0.00	0.02	0.02	0.00	0.00	0.02	303
	II	15	11	54.38	1401.22	1.70	0.19	0.88	28.70	-18.14	0.00	0.00	-18.14	0.00	0.00	0.00	0.00	0.00	0.00	30
Juli	I	15	3	55.12	1383.08	1.68	0.05	0.85	28.05	-25.17	0.00	0.00	-25.17	0.00	0.00	0.00	0.00	0.00	0.00	3
	II	16	11	58.80	1357.91	1.65	0.18	0.86	30.20	-19.64	0.00	0.00	-19.64	0.00	0.00	0.00	0.00	0.00	0.00	0
Agustus	I	15	0	61.88	1338.27	1.62	0.00	0.81	30.17	-30.17	0.00	0.00	-30.17	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	16	3	66.01	1308.10	1.59	0.04	0.80	31.81	-28.93	0.00	0.00	-28.93	0.00	0.00	0.00	0.00	0.00	0.00	0
September	I	15	4	66.33	1279.18	1.55	0.06	0.79	31.42	-27.58	0.00	0.00	-27.58	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	15	0	66.33	1251.59	1.52	0.00	0.76	30.24	-30.24	0.00	0.00	-30.24	0.00	0.00	0.00	0.00	0.00	0.00	0
Oktober	I	15	81	64.92	1221.35	1.48	1.25	1.00	38.95	42.29	0.84	35.62	6.67	3.56	0.00	3.56	3.21	32.06	35.27	520,549
	II	16	87	69.24	1228.02	1.49	1.26	1.00	41.55	45.82	0.85	38.82	7.00	3.88	0.36	4.24	3.81	34.93	38.75	571,926
Nopember	I	15	54	58.74	1235.02	1.50	0.92	0.98	34.50	19.27	0.85	16.42	2.85	1.64	0.42	2.07	1.86	14.78	16.64	245,568
	II	15	111	58.74	1237.86	1.50	1.90	1.00	35.24	76.12	0.85	65.04	11.08	6.50	0.21	6.71	6.04	58.53	64.57	953,075
Desember	I	15	226	51.95	1248.95	1.52	4.34	1.00	31.17	194.44	0.86	167.70	26.74	16.77	0.67	17.44	15.70	150.93	166.62	2,459,379
	II	16	451	55.41	1275.69	1.55	8.14	1.00	33.24	417.97	0.88	368.63	49.34	36.86	1.74	38.61	34.75	331.77	366.51	5,409,726
RATA-2			215.61	57.33	1363.05	1.65	2.81	0.94	32.02	118.73	0.55	125.39	-6.66	12.54	1.34	13.88	12.49	112.85	125.34	1850078.96
JUMLAH			3,618.02	1,375.91	32,713.13	39.72	67.55	22.45	768.54	2,849.48	13.26	3,009.32	(159.84)	300.93	32.25	333.19	299.87	2,708.39	3,008.26	44,401,895.14

PERHITUNGAN DEBIT BULANAN DENGAN METODE NRECA

TAHUN : 2000
 DAS : KAWARI

BULAN	PER.	jumlah hari	CH Rerata 1/2 bulanan (mm)	Evaporasi Potensial (PET) (mm)	Tamp. Kelengasan Awal (Wo) (mm)0.5 bulan	Rasio Tamp. Tanah (W)	CH Rerata/ PET	AET /PET	Evapotranspirasi aktual (AET) (mm)	Keseimbangan (WB) (mm)	Rasio Kelebihan Kelengasan (EMR)	Kelebihan Kelengasan (EM) (mm)	Perubahan Tampungann (DS) (mm)	Tamp. Air Tanah (RGW) (mm)	Tamp. Air Tanah Awal (DF) (mm)	Tamp. Air Tanah Akhir (ESGW) (mm)	Aliran Air Tanah (GWF) (mm)	Larian Langsung (DRO) (mm)	Aliran Total (mm)	Aliran Total (m ³)
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Januari	I	15	384	51.58	1325.03	1.62	7.45	1.00	30.95	353.26	0.92	325.85	27.41	32.59	3.86	36.45	32.80	293.27	326.07	4,812,750
	II	16	386	55.02	1352.44	1.65	7.01	1.00	33.01	352.72	0.94	332.43	20.29	33.24	3.64	36.89	33.20	299.18	332.38	4,905,979
Pebruari	I	14	583	47.00	1372.73	1.67	12.41	1.00	28.20	555.17	0.96	531.48	23.69	53.15	3.69	56.84	51.15	478.33	529.49	7,815,210
	II	15	362	47.00	1396.41	1.70	7.71	1.00	28.20	334.01	0.97	325.55	8.46	32.55	5.68	38.24	34.41	292.99	327.41	4,832,548
Maret	I	15	95	53.46	1404.87	1.71	1.77	1.00	32.07	62.65	0.98	61.45	1.20	6.14	3.82	9.97	8.97	55.30	64.27	948,692
	II	16	27	57.02	1406.07	1.72	0.47	0.92	31.62	-4.94	0.00	0.00	-4.94	0.00	1.00	1.00	0.90	0.00	0.90	13,242
April	I	15	210	53.87	1401.13	1.71	3.91	1.00	32.32	178.16	0.98	174.26	3.90	17.43	0.10	17.53	15.77	156.84	172.61	2,547,725
	II	15	33	53.87	1405.02	1.71	0.62	0.95	30.57	2.91	0.98	2.85	0.06	0.29	1.75	2.04	1.83	2.57	4.40	64,929
Mei	I	15	28	55.57	1405.08	1.71	0.50	0.93	30.94	-3.42	0.00	0.00	-3.42	0.00	0.20	0.20	0.18	0.00	0.18	2,707
	II	16	37	59.28	1401.66	1.71	0.62	0.95	33.62	3.26	0.98	3.19	0.07	0.32	0.02	0.34	0.31	2.87	3.18	46,876
Juni	I	15	147	54.38	1401.73	1.71	2.70	1.00	32.63	114.37	0.98	111.92	2.45	11.19	0.03	11.23	10.10	100.73	110.83	1,635,844
	II	15	67	54.38	1404.18	1.71	1.23	1.00	32.63	34.01	0.98	33.34	0.67	3.33	1.12	4.46	4.01	30.01	34.02	502,122
Juli	I	15	20	55.12	1404.85	1.71	0.37	0.91	30.07	-9.91	0.00	0.00	-9.91	0.00	0.45	0.45	0.40	0.00	0.40	5,920
	II	16	29	58.80	1394.94	1.70	0.50	0.93	32.65	-3.21	0.00	0.00	-3.21	0.00	0.04	0.04	0.04	0.00	0.04	592
Agustus	I	15	23	61.88	1391.73	1.70	0.37	0.91	33.62	-10.46	0.00	0.00	-10.46	0.00	0.00	0.00	0.00	0.00	0.00	59
	II	16	0	66.01	1381.27	1.68	0.00	0.84	33.37	-33.37	0.00	0.00	-33.37	0.00	0.00	0.00	0.00	0.00	0.00	6
September	I	15	12	66.33	1347.90	1.64	0.19	0.86	34.05	-21.57	0.00	0.00	-21.57	0.00	0.00	0.00	0.00	0.00	0.00	1
	II	15	11	66.33	1326.33	1.62	0.16	0.84	33.41	-22.85	0.00	0.00	-22.85	0.00	0.00	0.00	0.00	0.00	0.00	0
Oktober	I	15	0	64.92	1303.49	1.59	0.00	0.80	30.97	-30.97	0.00	0.00	-30.97	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	16	53	69.24	1272.52	1.55	0.76	0.95	39.31	13.29	0.88	11.75	1.54	1.17	0.00	1.17	1.06	10.57	11.63	171,626
Nopember	I	15	103	58.74	1274.06	1.55	1.76	1.00	35.24	67.92	0.89	60.11	7.80	6.01	0.12	6.13	5.52	54.10	59.62	879,967
	II	15	183	58.74	1281.87	1.56	3.11	1.00	35.24	147.48	0.89	131.37	16.10	13.14	0.61	13.75	12.38	118.24	130.61	1,927,811
Desember	I	15	405	51.95	1297.97	1.58	7.80	1.00	31.17	374.24	0.90	337.79	36.45	33.78	1.38	35.15	31.64	304.01	335.65	4,954,171
	II	16	400	55.41	1334.42	1.63	7.23	1.00	33.24	367.09	0.93	341.13	25.96	34.11	3.52	37.63	33.87	307.02	340.88	5,031,411
RATA-2			196.57	57.33	1361.99	1.66	2.86	0.95	32.46	117.49	0.59	116.02								

PERHITUNGAN DEBIT BULANAN DENGAN METODE NRECA

TAHUN : 2001
 DAS : KAWARI

BULAN	PER.	jumlah hari	CH Rerata 1/2 bulanan (mm)	Evaporasi Potensial (PET) (mm)	Tamp. Kelengasan Awal (Wo) (mm)0.5 bulan	Rasio Tamp. Tanah (W)	CH Rerata/ PET	AET /PET	Evapotranspirasi aktual (AET) (mm)	Keseimbangan Air (WB) (mm)	Rasio Kelebihan Kelengasan (EMR)	Kelebihan Kelengasan (EM) (mm)	Perubahan Tumpungan (DS) (mm)	Tamp. Air Tanah (RGW) (mm)	Tamp. Air Tanah Awal (DF) (mm)	Tamp. Air Tanah Akhir (ESGW) (mm)	Aliran Air Tanah (GWF) (mm)	Larian Langsung (DRO) (mm)	Aliran Total (mm)	Aliran Total (m ³)
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Januari	I	15	268	51.58	1360.38	2.24	5.19	1.00	30.95	236.94	1.29	306.67	-69.73	30.67	3.76	34.43	30.99	276.00	306.99	4,531,193
	II	16	416	55.02	1290.64	2.12	7.56	1.00	33.01	382.96	1.23	469.32	-86.36	46.93	3.44	50.38	45.34	422.39	467.73	6,903,652
Pebruari	I	14	579	47.00	1204.28	1.98	12.32	1.00	28.20	550.73	1.14	628.01	-77.28	62.80	5.04	67.84	61.05	565.21	626.27	9,243,686
	II	14	360	47.00	1127.00	1.85	7.67	1.00	28.20	332.09	1.06	353.37	-21.28	35.34	6.08	42.12	37.91	318.03	355.94	5,253,698
Maret	I	15	93	53.46	1105.72	1.82	1.74	1.00	32.07	61.01	1.04	63.63	-2.63	6.36	4.21	10.58	9.52	57.27	66.79	985,806
	II	16	27	57.02	1103.09	1.81	0.47	0.95	32.51	-5.91	0.00	0.00	-5.91	0.00	1.06	1.06	0.95	0.00	0.95	14,049
April	I	15	76	53.87	1097.18	1.80	1.41	1.00	32.32	43.59	1.03	45.11	-1.51	4.51	0.11	4.62	4.15	40.60	44.75	660,511
	II	15	153	53.87	1095.67	1.80	2.84	1.00	32.32	120.64	1.03	124.64	-4.00	12.46	0.46	12.93	11.63	112.18	123.81	1,827,458
Mei	I	15	50	55.57	1091.67	1.79	0.90	0.99	33.00	17.04	1.03	17.54	-0.50	1.75	1.29	3.05	2.74	15.78	18.52	273,415
	II	16	77	59.28	1091.17	1.79	1.30	1.00	35.57	41.36	1.03	42.55	-1.19	4.25	0.30	4.56	4.10	38.29	42.39	625,733
Juni	I	15	34	54.38	1089.98	1.79	0.62	0.96	31.34	2.45	1.03	2.52	-0.07	0.25	0.46	0.71	0.64	2.27	2.90	42,858
	II	15	8	54.38	1089.91	1.79	0.15	0.91	29.73	-21.65	0.00	0.00	-21.65	0.00	0.07	0.07	0.06	0.00	0.06	940
Juli	I	15	5	55.12	1068.26	1.76	0.09	0.89	29.39	-24.59	0.00	0.00	-24.59	0.00	0.01	0.01	0.01	0.00	0.01	94
	II	16	9	58.80	1043.67	1.72	0.15	0.88	31.00	-22.36	0.00	0.00	-22.36	0.00	0.00	0.00	0.00	0.00	0.00	9
Agustus	I	15	0	61.88	1021.32	1.68	0.00	0.84	31.16	-31.16	0.00	0.00	-31.16	0.00	0.00	0.00	0.00	0.00	0.00	1
	II	16	0	66.01	990.15	1.63	0.00	0.81	32.23	-32.23	0.00	0.00	-32.23	0.00	0.00	0.00	0.00	0.00	0.00	0
September	I	15	0	66.33	957.93	1.57	0.00	0.79	31.33	-31.33	0.00	0.00	-31.33	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	15	14	66.33	926.59	1.52	0.22	0.81	32.37	-17.97	0.00	0.00	-17.97	0.00	0.00	0.00	0.00	0.00	0.00	0
Oktober	I	15	0	64.92	908.63	1.49	0.00	0.75	29.08	-29.08	0.00	0.00	-29.08	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	16	0	69.24	879.54	1.45	0.00	0.72	30.03	-30.03	0.00	0.00	-30.03	0.00	0.00	0.00	0.00	0.00	0.00	0
November	I	15	124	58.74	849.51	1.40	2.11	1.00	35.24	88.60	0.79	70.02	18.58	7.00	0.00	7.00	6.30	63.02	69.32	1,023,222
	II	15	83	58.74	868.09	1.43	1.41	1.00	35.24	47.32	0.81	38.27	9.05	3.83	0.70	4.53	4.07	34.44	38.51	568,447
Desember	I	15	76	51.95	877.14	1.44	1.46	1.00	31.17	44.83	0.82	36.65	8.18	3.67	0.45	4.12	3.71	32.99	36.69	541,602
	II	16	91	55.41	885.32	1.46	1.65	1.00	33.24	58.12	0.83	47.98	10.13	4.80	0.41	5.21	4.69	43.19	47.88	706,639
RATA-2			178.37	57.33	1042.62	1.71	2.05	0.93	31.70	74.22	0.59	93.60	-19.37	9.36	1.19	10.55	9.49	84.24	93.73	1383458.93
JUMLAH			2,542.08	1,375.91	25,022.86	41.13	49.24	22.30	760.72	1,781.36	14.16	2,246.28	(464.93)	224.63	28.56	253.19	227.87	2,021.66	2,249.53	33,203,014.27

PERHITUNGAN DEBIT BULANAN DENGAN METODE NRECA

TAHUN : 2002
 DAS : KAWARI

BULAN	PER.	jumlah hari	CH Rerata 1/2 bulanan (mm)	Evaporasi Potensial (PET) (mm)	Tamp. Kelengasan Awal (Wo) (mm)0.5 bulan	Rasio Tamp. Tanah (W)	CH Rerata/ PET	AET /PET	Evapotranspirasi aktual (AET) (mm)	Keseimbangan Air (WB) (mm)	Rasio Kelebihan Kelengasan (EMR)	Kelebihan Kelengasan (EM) (mm)	Perubahan Tumpungan (DS) (mm)	Tamp. Air Tanah (RGW) (mm)	Tamp. Air Tanah Awal (DF) (mm)	Tamp. Air Tanah Akhir (ESGW) (mm)	Aliran Air Tanah (GWF) (mm)	Larian Langsung (DRO) (mm)	Aliran Total (mm)	Aliran Total (m ³)
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Januari	I	15	330	51.58	895.45	1.91	6.40	1.00	30.95	299.26	1.10	328.51	-29.25	32.85	0.52	33.37	30.03	295.65	325.69	4,807,169
	II	16	112	55.02	866.20	1.85	2.03	1.00	33.01	78.50	1.06	83.24	-4.74	8.32	3.34	11.66	10.50	74.92	85.41	1,260,666
Pebruari	I	14	129	47.00	861.47	1.84	2.74	1.00	28.20	100.56	1.05	106.02	-5.46	10.80	1.17	11.77	10.59	95.41	106.00	1,564,627
	II	14	54	47.00	856.01	1.82	1.15	1.00	28.20	25.80	1.05	27.02	-1.22	2.70	1.18	3.88	3.49	24.32	27.81	410,442
Maret	I	15	76	53.46	854.79	1.82	1.42	1.00	32.07	43.65	1.05	45.64	-2.00	4.56	0.39	4.95	4.46	41.08	45.54	672,097
	II	16	85	57.02	852.79	1.82	1.49	1.00	34.21	50.99	1.04	53.19	-2.20	5.32	0.50	5.81	5.23	47.87	53.10	783,791
April	I	15	102	53.87	850.59	1.81	1.89	1.00	32.32	69.28	1.04	72.07	-2.80	7.21	0.58	7.79	7.01	64.87	71.88	1,060,898
	II	15	69	53.87	847.80	1.81	1.28	1.00	32.32	36.76	1.04	38.11	-1.35	3.81	0.78	4.59	4.13	34.30	38.43	567,213
Mei	I	15	55	55.57	846.45	1.80	1.00	1.00	33.33	21.99	1.04	22.76	-0.77	2.28	0.46	2.74	2.46	20.49	22.95	338,696
	II	16	71	59.28	845.68	1.80	1.20	1.00	35.57	35.48	1.03	36.69	-1.21	3.67	0.27	3.94	3.55	33.02	36.56	539,689
Juni	I	15	28	54.38	844.47	1.80	0.51	0.95	31.03	-3.27	0.00	0.00	-3.27	0.00	0.39	0.39	0.35	0.00	0.35	5,237
	II	15	13	54.38	841.19	1.79	0.24	0.92	30.05	-17.21	0.00	0.00	-17.21	0.00	0.04	0.04	0.04	0.00	0.04	524
Juli	I	15	12	55.12	823.99	1.76	0.23	0.91	29.95	-17.47	0.00	0.00	-17.47	0.00	0.00	0.00	0.00	0.00	0.00	52
	II	16	0	58.80	806.51	1.72	0.00	0.86	30.32	-30.32	0.00	0.00	-30.32	0.00	0.00	0.00	0.00	0.00	0.00	5
Agustus	I	15	0	61.88	776.19	1.65	0.00	0.83	30.71	-30.71	0.00	0.00	-30.71	0.00	0.00	0.00	0.00	0.00	0.00	1
	II	16	0	66.01	745.48	1.59	0.00	0.79	31.46	-31.46	0.00	0.00	-31.46	0.00	0.00	0.00	0.00	0.00	0.00	0
September	I	15	0	66.33	714.02	1.52	0.00	0.76	30.28	-30.28	0.00	0.00	-30.28	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	15	10	66.33	683.73	1.46	0.14	0.77	30.56	-20.96	0.00	0.00	-20.96	0.00	0.00	0.00	0.00	0.00	0.00	0
Oktober	I	15	73	64.92	662.77	1.41	1.12	1.00	38.95	34.01	0.80	27.21	6.80	2.72	0.00	2.72	2.45	24.49	26.94	397,649
	II	16	57	69.24	669.57	1.43	0.82	0.95	39.38	17.26	0.81	13.96	3.30	1.40	0.27	1.67	1.50	12.56	14.07	207,617
November	I	15	86	58.74	672.87	1.43	1.47	1.00	35.24	51.16	0.81	41.59	9.57	4.16	0.17	4.33	3.89	37.43	41.33	609,993
	II	15	339	58.74	682.44	1.45	5.78	1.00	35.24	304.25	0.83	251.08	53.16	25.11	0.43	25.54	22.99	225.97	248.96	3,674,639
Desember	I	15	24	51.95	735.60	1.57	0.46	0.88	27.50	-3.83	0.00	0.00	-3.83	0.00	2.55	2.55	2.30	0.00	2.30	33,928
	II	16	122	55.41	731.78	1.56	2.20	1.00	33.24	88.51	0.89	78.63	9.88	7.86	0.26	8.12	7.31	70.77	78.08	1,152,419
RATA-2			93.59	57.33	790.33	1.68	1.40	0.94	32.25	44.66	0.61	51.07	-6.41	5.11	0.55	5.66	5.10	45.96	51.06	753639.69
JUMLAH			1,846.05	1,375.91	18,															

PERHITUNGAN DEBIT BULANAN DENGAN METODE NRECA

TAHUN : 2003
DAS : KAWARI

BULAN	PER.	jumlah hari	CH Rerata 1/2 bulanan (mm)	Evaporasi Potensial (PET) (mm)	Tamp. Kelengasan Awal (Wo) (mm)0.5 bulan	Rasio Tamp. Tanah (W)	CH Rerata/ PET	AET /PET	Evapotranspirasi aktual (AET) (mm)	Keseimbangan Air (WB) (mm)	Rasio Kelebihan Kelengasan (EMR)	Kelengkapan Kelengasan (EM) (mm)	Perubahan Tumpungan (DS) (mm)	Tamp. Air Tanah (RGW) (mm)	Tamp. Air Tanah Awal (DF) (mm)	Tamp. Air Tanah Akhir (ESGW) (mm)	Aliran Air Tanah (GWF) (mm)	Larian Langsung (DRO) (mm)	Aliran Total (mm)	Aliran Total (m ³)
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Januari	I	15	429	51.58	741.66	1.16	8.31	1.00	30.95	397.62	0.65	258.34	139.28	25.83	0.81	26.65	23.98	232.51	256.49	3,785,740
	II	16	138	55.02	880.94	1.38	2.51	1.00	33.01	104.87	0.78	81.87	23.00	8.19	2.66	10.85	9.77	73.68	83.45	1,231,743
Pebruari	I	14	156	47.00	903.94	1.42	3.32	1.00	28.20	127.71	0.80	102.47	25.25	10.25	1.09	11.33	10.20	92.22	102.42	1,511,707
	II	14	79	47.00	929.18	1.46	1.88	1.00	28.20	50.91	0.83	42.06	8.86	4.21	1.13	5.34	4.81	37.85	42.66	629,629
Maret	I	15	101	53.46	938.04	1.47	1.89	1.00	32.07	68.73	0.83	57.35	11.38	5.73	0.53	6.27	5.64	51.61	57.25	845,058
	II	16	100	57.02	949.42	1.49	1.75	1.00	34.21	65.63	0.85	55.46	10.17	5.55	0.63	6.17	5.56	49.92	55.47	818,781
April	I	15	42	53.87	959.59	1.50	0.78	0.95	30.59	11.65	0.85	9.96	1.69	1.00	0.62	1.61	1.45	8.96	10.41	153,692
	II	15	128	53.87	961.28	1.51	2.37	1.00	32.32	95.36	0.86	81.65	13.71	8.17	0.16	8.33	7.49	73.49	80.98	1,195,257
Mei	I	15	31	55.57	974.99	1.53	0.56	0.90	29.90	1.38	0.87	1.20	0.18	0.12	0.83	0.95	0.86	1.08	1.94	28,574
	II	16	0	59.28	975.17	1.53	0.00	0.76	27.17	-27.17	0.00	0.00	-27.17	0.00	0.10	0.10	0.09	0.00	0.09	1,265
Juni	I	15	5	54.38	948.00	1.49	0.07	0.77	24.97	-20.17	0.00	0.00	-20.17	0.00	0.01	0.01	0.01	0.00	0.01	127
	II	15	4	54.38	927.83	1.45	0.07	0.75	24.35	-20.51	0.00	0.00	-20.51	0.00	0.00	0.00	0.00	0.00	0.00	13
Juli	I	15	4	55.12	907.32	1.42	0.07	0.73	24.17	-20.33	0.00	0.00	-20.33	0.00	0.00	0.00	0.00	0.00	0.00	1
	II	16	13	58.80	886.99	1.39	0.23	0.76	26.97	-13.53	0.00	0.00	-13.53	0.00	0.00	0.00	0.00	0.00	0.00	0
Agustus	I	15	10	61.88	873.46	1.37	0.16	0.73	27.22	-17.62	0.00	0.00	-17.62	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	16	5	66.01	855.83	1.34	0.07	0.69	27.50	-22.70	0.00	0.00	-22.70	0.00	0.00	0.00	0.00	0.00	0.00	0
September	I	15	0	66.33	833.13	1.31	0.00	0.65	25.97	-25.97	0.00	0.01	-25.97	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	15	48	66.33	807.15	1.26	0.72	0.90	35.76	12.25	0.71	8.71	3.54	0.87	0.00	0.87	0.78	7.84	8.62	127,287
Oktober	I	15	0	64.92	810.69	1.27	0.00	0.64	24.74	-24.74	0.00	0.00	-24.74	0.00	0.09	0.09	0.08	0.00	0.08	1,157
	II	16	42	69.24	785.95	1.23	0.61	0.85	35.32	6.92	0.69	4.79	2.14	0.48	0.01	0.49	0.44	4.31	4.75	70,037
Nopember	I	15	26	58.74	788.09	1.23	0.44	0.79	27.71	-1.79	0.00	0.00	-1.79	0.00	0.05	0.05	0.04	0.04	0.04	647
	II	15	140	58.74	786.30	1.23	2.39	1.00	35.24	104.92	0.69	72.57	32.35	7.26	0.00	7.26	6.54	65.32	71.85	1,060,535
Desember	I	15	125	51.95	818.65	1.28	2.40	1.00	31.17	93.64	0.72	67.62	26.02	6.76	0.73	7.49	6.74	60.85	67.59	997,685
	II	16	1067	55.41	844.67	1.32	19.25	1.00	33.24	1033.35	0.75	771.48	261.87	77.15	0.75	77.90	70.11	694.33	764.44	11,283,110
RATA-2			101.00	57.33	878.68	1.38	2.07	0.87	29.62	82.52	0.45	67.31	15.20	6.73	0.42	7.16	6.44	60.58	67.02	989,251.90
JUMLAH			2,691.37	1,375.91	21,088.28	33.04	49.67	20.86	710.97	1,980.39	10.88	1,615.52	364.88	161.55	10.20	171.75	154.57	1,453.97	1,608.54	23,742,045.66

PERHITUNGAN DEBIT BULANAN DENGAN METODE NRECA

TAHUN : 2004
DAS : KAWARI

BULAN	PER.	jumlah hari	CH Rerata 1/2 bulanan (mm)	Evaporasi Potensial (PET) (mm)	Tamp. Kelengasan Awal (Wo) (mm)0.5 bulan	Rasio Tamp. Tanah (W)	CH Rerata/ PET	AET /PET	Evapotranspirasi aktual (AET) (mm)	Keseimbangan Air (WB) (mm)	Rasio Kelebihan Kelengasan (EMR)	Kelengkapan Kelengasan (EM) (mm)	Perubahan Tumpungan (DS) (mm)	Tamp. Air Tanah (RGW) (mm)	Tamp. Air Tanah Awal (DF) (mm)	Tamp. Air Tanah Akhir (ESGW) (mm)	Aliran Air Tanah (GWF) (mm)	Larian Langsung (DRO) (mm)	Aliran Total (mm)	Aliran Total (m ³)
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Januari	I	15	126	51.58	1106.53	10.08	2.44	1.00	30.95	94.82	6.00	569.04	-474.22	56.90	7.79	64.69	58.22	512.13	570.36	8,418,454
	II	16	33	55.02	632.32	5.76	0.59	1.76	58.24	-25.60	0.00	0.00	-25.60	0.00	6.47	6.47	5.82	0.00	5.82	85,938
Pebruari	I	14	406	47.00	606.72	5.53	8.64	1.00	28.20	377.89	3.27	1235.33	-857.44	123.53	0.65	124.18	111.76	1111.80	1223.56	18,059,772
	II	15	14	47.00	-250.73	-2.28	0.31	-0.49	-13.69	28.10	-1.42	-39.85	67.94	0.00	12.42	12.42	11.18	0.00	11.18	164,961
Maret	I	15	24	53.46	-182.78	-1.66	0.45	-0.01	-0.31	24.31	-1.05	-25.45	49.76	0.00	1.24	1.24	1.12	0.00	1.12	16,496
	II	16	65	57.02	-133.02	-1.21	1.14	1.00	34.21	31.07	-0.77	-24.07	55.14	0.00	0.12	0.12	0.11	0.00	0.11	1,650
April	I	15	69	53.87	-77.87	-0.71	1.28	1.00	32.32	36.80	-0.47	-17.42	54.22	0.00	0.01	0.01	0.01	0.00	0.01	165
	II	15	120	53.87	-23.66	-0.22	2.23	1.00	32.32	87.68	-0.18	-15.52	103.20	0.00	0.00	0.00	0.00	0.00	0.00	16
Mei	I	15	12	55.57	79.54	0.72	0.22	0.51	16.85	-4.37	0.00	0.00	-4.37	0.00	0.00	0.00	0.00	0.00	0.00	2
	II	16	49	59.28	75.17	0.68	0.83	0.89	31.50	17.47	0.36	6.34	11.12	0.63	0.00	0.63	0.57	5.71	6.28	92,705
Juni	I	15	55	54.38	86.29	0.79	1.01	1.00	32.63	22.09	0.42	9.37	12.72	0.94	0.06	1.00	0.90	8.43	9.33	137,729
	II	15	0	54.38	99.02	0.90	0.00	0.45	14.71	-14.71	0.00	0.00	-14.71	0.00	0.10	0.10	0.09	0.00	0.09	1,329
Juli	I	15	28	55.12	84.30	0.77	0.51	0.70	22.99	4.85	0.41	2.00	2.85	0.20	0.01	0.21	0.19	1.80	1.99	29,422
	II	16	0	58.80	87.15	0.79	0.00	0.40	14.00	-14.00	0.00	0.00	-14.00	0.00	0.02	0.02	0.02	0.00	0.02	280
Agustus	I	15	0	61.88	73.15	0.67	0.00	0.33	12.37	-12.37	0.00	0.00	-12.37	0.00	0.00	0.00	0.00	0.00	0.00	28
	II	16	0	66.01	60.78	0.55	0.00	0.28	10.96	-10.96	0.00	0.00	-10.96	0.00	0.00	0.00	0.00	0.00	0.00	3
September	I	15	5	66.33	49.82	0.45	0.07	0.28	11.26	-6.46	0.00	0.00	-6.46	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	15	9	66.33	43.36	0.39	0.13	0.30	12.02	-3.38	0.00	0.00	-3.38	0.00	0.00	0.00	0.00	0.00	0.00	0
Oktober	I	15	0	64.92	39.98	0.36	0.00	0.18	7.09	-7.09	0.00	0.00	-7.09	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	16	0	69.24	32.89	0.30	0.00	0.15	6.22	-6.22	0.00	0.00	-6.22	0.00	0.00	0.00	0.00	0.00	0.00	0
Nopember	I	15	0	58.74	26.67	0.24	0.00	0.12	4.28	-4.28	0.00	0.00	-4.28	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	15	275	58.74	22.39	0.20	4.67	1.00	35.24	239.32	0.07	17.87	221.45	1.79	0.00	1.79	1.61	16.09	17.69	261,168
Desember	I	15	143	51.95	243.84	2.22	2.75	1.00	31.17	111.88	1.29	143.79	-31.92	14.38	0.18	14.56	13.10	129.41	142.52	2,103,546
	II	16	308	55.41	211.92	1.93	5.56	1.00	33.24	274.92	1.11	305.39	-30.46	30.54	1.46	31.99	28.80	274.85	303.64	4,481,775
RATA-2			81.12	50.15	124.74	1.14	1.37	0.62	20.78	51.74	0.38	90.28	-38.54	9.54	1.27	10.81	9.73	85.84	95.57	141,064.28
JUMLAH			1,740.53	200.60	2,993.78	27.27	32.84	14.85	498.79	1,241.74	9.05									

PERHITUNGAN DEBIT BULANAN DENGAN METODE NRECA

TAHUN : 2005
DAS : KAWARI

BULAN	PER.	jumlah hari	CH Rerata 1/2 bulanan (mm)	Evaporasi Potensial (PET) (mm)	Tamp. Kelengasan Awal (Wo) (mm)0.5 bulan	Rasio Tamp. Tanah (W)	CH Rerata/ PET	AET /PET	Evapotranspirasi aktual (AET) (mm)	Keseimbangan Air (WB) (mm)	Rasio Kelebihan Kelengasan (EMR)	Kelengkapan Kelengasan (EM) (mm)	Perubahan Tumpungan (DS) (mm)	Tamp. Air Tanah (RGW) (mm)	Tamp. Air Tanah Awal (DF) (mm)	Tamp. Air Tanah Akhir (ESGW) (mm)	Aliran Air Tanah (GWF) (mm)	Larian Langsung (DRO) (mm)	Aliran Total (mm)	Aliran Total (m ³)
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Januari	I	15	136	51.58	181.46	0.28	2.64	1.00	30.95	105.38	0.12	12.60	92.78	1.26	3.20	4.46	4.01	11.34	15.35	226,563
	II	16	69	55.02	274.24	0.42	1.26	1.00	33.01	36.11	0.21	7.40	28.71	0.74	0.45	1.19	1.07	6.66	7.73	114,124
Pebruari	I	14	155	47.00	302.95	0.47	3.29	1.00	28.20	126.36	0.23	29.25	97.11	2.93	0.12	3.04	2.74	26.33	29.07	429,036
	II	14	448	47.00	400.06	0.61	9.54	1.00	28.20	420.13	0.32	134.86	285.27	13.49	0.30	13.79	12.41	121.38	133.79	1,974,700
Maret	I	15	127	53.46	685.33	1.05	2.37	1.00	32.07	94.65	0.58	55.27	39.38	5.53	1.38	6.91	6.22	49.74	55.96	825,897
	II	16	540	57.02	724.71	1.11	9.46	1.00	34.21	505.32	0.62	313.40	191.92	31.34	0.69	32.03	28.83	282.06	310.89	4,588,747
April	I	15	252	53.87	916.63	1.41	4.67	1.00	32.32	219.20	0.80	174.72	44.48	17.47	3.20	20.68	18.61	157.25	175.86	2,595,664
	II	15	60	53.87	961.11	1.48	1.12	1.00	32.32	28.16	0.84	23.60	4.56	2.36	2.07	4.43	3.98	21.24	25.22	372,292
Mei	I	15	11	55.57	965.67	1.48	0.19	0.79	26.36	-15.80	0.00	0.00	-15.80	0.00	0.44	0.44	0.40	0.00	0.40	5,881
	II	16	15	59.28	949.87	1.46	0.26	0.80	28.43	-13.07	0.00	0.00	-13.07	0.00	0.04	0.04	0.04	0.00	0.04	588
Juni	I	15	32	54.38	936.80	1.44	0.58	0.88	28.81	2.88	0.82	2.35	0.53	0.23	0.00	0.24	0.22	2.11	2.33	34,334
	II	15	24	54.38	937.33	1.44	0.44	0.84	27.52	-3.52	0.00	0.00	-3.52	0.00	0.02	0.02	0.02	0.00	0.02	317
Juli	I	15	60	55.12	933.81	1.43	1.10	1.00	33.07	27.41	0.81	22.28	5.13	2.23	0.00	2.23	2.01	20.05	22.06	325,587
	II	16	24	58.80	938.94	1.44	0.41	0.83	29.45	-5.45	0.00	0.00	-5.45	0.00	0.22	0.22	0.20	0.00	0.20	2,963
Agustus	I	15	62	61.88	933.49	1.43	1.01	1.00	37.13	25.27	0.81	20.54	4.74	2.05	0.02	2.08	1.87	18.48	20.35	300,377
	II	16	19	66.01	938.22	1.44	0.29	0.80	31.75	-12.55	0.00	0.00	-12.55	0.00	0.21	0.21	0.19	0.00	0.19	2,758
September	I	15	0	66.33	925.67	1.42	0.00	0.71	28.29	-28.29	0.00	0.00	-28.29	0.00	0.02	0.02	0.02	0.00	0.02	276
	II	15	0	66.33	897.39	1.38	0.00	0.69	27.42	-27.42	0.00	0.00	-27.42	0.00	0.00	0.00	0.00	0.00	0.00	28
Oktober	I	15	28	64.92	869.97	1.34	0.43	0.81	31.56	-3.72	0.00	0.00	-3.72	0.00	0.00	0.00	0.00	0.00	0.00	3
	II	16	65	69.24	866.24	1.33	0.94	0.98	40.75	24.53	0.75	18.41	6.12	1.84	0.00	1.84	1.66	16.57	18.23	269,080
Nopember	I	15	41	58.74	872.36	1.34	0.70	0.90	31.78	9.50	0.76	7.18	2.31	0.72	0.18	0.90	0.81	6.46	7.28	107,396
	II	15	92	58.74	874.68	1.34	1.57	1.00	35.24	56.92	0.76	43.17	13.75	4.32	0.09	4.41	3.97	38.85	42.82	631,991
Desember	I	15	156	51.95	888.43	1.36	3.01	1.00	31.17	125.32	0.77	96.63	28.69	9.66	0.44	10.10	9.09	86.97	96.06	1,417,861
	II	16	339	55.41	917.11	1.41	6.12	1.00	33.24	305.64	0.80	243.76	61.88	24.38	1.01	25.39	22.85	219.38	242.23	3,575,336
RATA-2			155.68	57.33	795.52	1.22	2.14	0.92	31.39	83.46	0.42	50.23	33.23	5.02	0.59	5.61	5.05	45.20	50.25	741,741.59
JUMLAH			2,756.24	1,375.91	19,092.46	29.32	51.40	22.05	753.27	2,002.96	9.99	1,205.42	797.54	120.54	14.13	134.67	121.20	1,084.88	1,206.08	17,801,798.08

PERHITUNGAN DEBIT BULANAN DENGAN METODE NRECA

TAHUN : 2006
DAS : KAWARI

BULAN	PER.	jumlah hari	CH Rerata 1/2 bulanan (mm)	Evaporasi Potensial (PET) (mm)	Tamp. Kelengasan Awal (Wo) (mm)0.5 bulan	Rasio Tamp. Tanah (W)	CH Rerata/ PET	AET /PET	Evapotranspirasi aktual (AET) (mm)	Keseimbangan Air (WB) (mm)	Rasio Kelebihan Kelengasan (EMR)	Kelengkapan Kelengasan (EM) (mm)	Perubahan Tumpungan (DS) (mm)	Tamp. Air Tanah (RGW) (mm)	Tamp. Air Tanah Awal (DF) (mm)	Tamp. Air Tanah Akhir (ESGW) (mm)	Aliran Air Tanah (GWF) (mm)	Larian Langsung (DRO) (mm)	Aliran Total (mm)	Aliran Total (m ³)
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Januari	I	15	180	51.58	979.00	1.44	3.50	1.00	30.95	149.54	0.82	121.89	27.65	12.19	2.54	14.73	13.26	109.70	122.96	1,814,885
	II	16	353	55.02	1006.64	1.48	6.42	1.00	33.01	320.28	0.84	268.87	51.41	26.89	1.47	28.36	25.52	241.99	267.51	3,948,464
Pebruari	I	14	177	47.00	1058.05	1.55	3.76	1.00	28.20	148.44	0.88	131.34	17.10	13.13	2.84	15.97	14.37	118.21	132.58	1,956,918
	II	14	47	47.00	1075.15	1.58	1.00	1.00	28.20	18.84	0.90	16.95	1.89	1.70	1.60	3.29	2.96	15.26	18.22	268,952
Maret	I	15	212	53.46	1077.04	1.58	3.97	1.00	32.07	180.09	0.90	162.36	17.73	16.24	0.33	16.57	14.91	146.12	161.03	2,376,832
	II	16	53	57.02	1094.77	1.61	0.93	0.99	33.72	19.09	0.92	17.50	1.58	1.75	1.66	3.41	3.07	15.75	18.82	277,792
April	I	15	48	53.87	1096.35	1.61	0.89	0.98	31.64	16.36	0.92	15.03	1.33	1.50	0.34	1.84	1.66	13.53	15.19	224,176
	II	15	38	53.87	1097.68	1.61	0.71	0.94	30.52	7.88	0.92	7.25	0.63	0.72	0.18	0.91	0.82	6.52	7.34	108,335
Mei	I	15	33	55.57	1098.32	1.61	0.59	0.92	30.68	1.96	0.92	1.81	0.16	0.18	0.09	0.27	0.24	1.63	1.87	27,592
	II	16	178	59.28	1098.47	1.61	3.00	1.00	35.57	142.04	0.92	130.74	11.30	13.07	0.03	13.10	11.79	117.66	129.45	1,910,744
Juni	I	15	113	54.38	1109.77	1.63	2.08	1.00	32.63	80.65	0.93	75.04	5.61	7.50	1.31	8.81	7.93	67.54	75.47	1,113,907
	II	15	47	54.38	1115.39	1.64	0.87	0.98	31.83	15.21	0.94	14.23	0.98	1.42	0.88	2.30	2.07	12.80	14.88	219,583
Juli	I	15	0	55.12	1116.37	1.64	0.00	0.82	27.11	-27.11	0.00	0.00	-27.11	0.00	0.23	0.23	0.21	0.00	0.21	3,061
	II	16	19	58.80	1089.26	1.60	0.33	0.87	30.52	-11.32	0.00	0.00	-11.32	0.00	0.02	0.02	0.02	0.00	0.02	306
Agustus	I	15	0	61.88	1077.94	1.58	0.00	0.79	29.39	-29.39	0.00	0.00	-29.39	0.00	0.00	0.00	0.00	0.00	0.00	31
	II	16	0	66.01	1048.56	1.54	0.00	0.77	30.49	-30.49	0.00	0.00	-30.49	0.00	0.00	0.00	0.00	0.00	0.00	3
September	I	15	0	66.33	1018.06	1.49	0.00	0.75	29.75	-29.75	0.00	0.00	-29.75	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	15	0	66.33	988.32	1.45	0.00	0.73	28.88	-28.88	0.00	0.00	-28.88	0.00	0.00	0.00	0.00	0.00	0.00	0
Oktober	I	15	0	64.92	959.44	1.41	0.00	0.70	27.44	-27.44	0.00	0.00	-27.44	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	16	0	69.24	932.00	1.37	0.00	0.68	28.43	-28.43	0.00	0.00	-28.43	0.00	0.00	0.00	0.00	0.00	0.00	0
Nopember	I	15	29	58.74	903.57	1.33	0.49	0.83	29.20	-0.40	0.00	0.00	-0.40	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	15	0	58.74	903.17	1.33	0.00	0.66	23.37	-23.37	0.00	0.00	-23.37	0.00	0.00	0.00	0.00	0.00	0.00	0
Desember	I	15	405	51.95	879.80	1.29	7.80	1.00	31.17	373.96	0.73	272.14	101.83	27.21	0.00	27.21	24.49	244.92	269.41	3,976,559
	II	16	973	55.41	981.63	1.44	17.55	1.00	33.24	939.26	0.82	767.80	171.46	76.78	2.72	79.50	71.55	691.02	762.57	11,255,568
RATA-2			123.28	57.33	1033.53	1.52	2.24	0.89	30.33	90.71	0.51	83.46	7.25	8.35	0.68	9.02	8.12	75.11	83.23	122,847.82
JUMLAH																				

PERHITUNGAN DEBIT BULANAN DENGAN METODE NRECA

TAHUN : 2007
DAS : KAWARI

BULAN	PER.	jumlah hari	CH Rerata 1/2 bulanan (mm)	Evaporasi Potensial (PET) (mm)	Tamp. Kelengasan Awal (Wo) (mm)0.5 bulan	Rasio Tamp. Tanah (W)	CH Rerata/ PET	AET /PET	Evapotranspirasi aktual (AET) (mm)	Keseimbangan Air (WB) (mm)	Rasio Kelebihan Kelengasan (EMR)	Kelebihan Kelengasan (EM) (mm)	Perubahan Tumpungan (DS) (mm)	Tamp. Air Tanah (RGW) (mm)	Tamp. Air Tanah Awal (DF) (mm)	Tamp. Air Tanah Akhir (ESGW) (mm)	Aliran Air Tanah (GWF) (mm)	Larian Langsung (DRO) (mm)	Aliran Total (mm)	Aliran Total (m ³)
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Januari	I	15	205	51.58	1153.09	1.51	3.98	1.00	30.95	174.50	0.86	149.80	24.70	14.98	7.95	22.93	20.64	134.82	155.46	2,294,546
	II	16	505	55.02	1177.79	1.54	9.18	1.00	33.01	471.97	0.88	414.32	57.64	41.43	2.29	43.73	39.35	372.89	412.24	6,084,685
Pebruari	I	14	385	47.00	1235.44	1.62	8.19	1.00	28.20	356.77	0.92	329.36	27.41	32.94	4.37	37.31	33.58	296.42	330.00	4,870,777
	II	14	353	47.00	1262.85	1.65	7.52	1.00	28.20	325.09	0.94	307.11	17.98	30.71	3.73	34.44	31.00	276.40	307.40	4,537,223
Maret	I	15	23	53.46	1280.83	1.68	0.43	0.91	29.13	-6.09	0.00	0.00	-6.09	0.00	3.44	3.44	3.10	0.00	3.10	45,753
	II	16	107	57.02	1274.74	1.67	1.87	1.00	34.21	72.35	0.95	69.03	3.32	6.90	0.34	7.25	6.52	62.12	68.65	1,013,210
April	I	15	282	53.87	1278.06	1.67	5.24	1.00	32.32	249.92	0.96	239.09	10.83	23.91	0.72	24.63	22.17	215.18	237.35	3,503,343
	II	15	315	53.87	1288.90	1.69	5.84	1.00	32.32	282.56	0.97	272.72	9.84	27.27	2.46	29.74	26.76	245.45	272.21	4,017,876
Mei	I	15	111	55.57	1298.74	1.70	2.00	1.00	33.34	76.02	0.97	75.91	2.11	7.59	2.97	10.56	9.51	68.32	77.82	1,148,680
	II	16	108	59.28	1300.85	1.70	1.81	1.00	35.57	71.96	0.97	70.13	1.83	7.01	1.06	8.07	7.26	63.11	70.38	1,038,765
Juni	I	15	70	54.38	1302.68	1.71	1.29	1.00	32.63	37.45	0.98	36.55	0.90	3.66	0.81	4.46	4.02	32.90	36.91	544,858
	II	15	36	54.38	1303.58	1.71	0.65	0.95	30.97	4.55	0.98	4.44	0.11	0.44	0.45	0.89	0.80	4.00	4.80	70,875
Juli	I	15	48	55.12	1303.68	1.71	0.87	0.98	32.45	15.55	0.98	15.19	0.36	1.52	0.09	1.61	1.45	13.67	15.12	223,173
	II	16	77	58.80	1304.05	1.71	1.31	1.00	35.28	41.52	0.98	40.57	0.95	4.06	0.16	4.22	3.80	36.51	40.31	594,969
Agustus	I	15	0	61.88	1305.00	1.71	0.00	0.85	31.72	-31.72	0.00	0.00	-31.72	0.00	0.42	0.42	0.38	0.00	0.38	5,603
	II	16	10	66.01	1273.28	1.67	0.15	0.86	33.97	-24.37	0.00	0.00	-24.37	0.00	0.04	0.04	0.04	0.00	0.04	560
September	I	15	0	66.33	1248.90	1.64	0.00	0.82	32.54	-32.54	0.00	0.00	-32.54	0.00	0.00	0.00	0.00	0.00	0.00	56
	II	15	14	66.33	1216.36	1.59	0.22	0.84	33.45	-19.05	0.00	0.00	-19.05	0.00	0.00	0.00	0.00	0.00	0.00	6
Oktober	I	15	13	64.92	1197.31	1.57	0.21	0.83	32.27	-18.83	0.00	0.00	-18.83	0.00	0.00	0.00	0.00	0.00	0.00	1
	II	16	43	69.24	1178.48	1.54	0.62	0.91	37.98	5.23	0.88	4.59	0.64	0.46	0.00	0.46	0.41	4.13	4.54	67,068
November	I	15	27	58.74	1179.11	1.54	0.46	0.88	30.88	-4.00	0.00	0.00	-4.00	0.00	0.05	0.05	0.04	0.00	0.04	610
	II	15	37	58.74	1175.11	1.54	0.64	0.92	32.30	5.15	0.88	4.51	0.64	0.45	0.00	0.46	0.41	4.06	4.47	65,910
Desember	I	15	204	51.95	1175.75	1.54	3.92	1.00	31.17	172.36	0.88	151.03	21.33	15.10	0.05	15.15	13.63	135.93	149.56	2,207,529
	II	16	346	55.41	1197.08	1.57	6.24	1.00	33.24	312.36	0.89	278.95	33.42	27.89	1.51	29.41	26.47	251.05	277.52	4,096,223
RATA-2			208.33	57.33	1246.32	1.63	2.61	0.95	32.42	105.86	0.66	102.64	3.23	10.26	1.37	11.64	10.47	92.37	102.85	1518012.42
JUMLAH			3,318.81	1,375.91	29,911.66	39.16	62.63	22.74	778.11	2,540.71	15.86	2,463.30	77.40	246.33	32.94	279.27	251.34	2,216.97	2,468.31	36,432,298.14

PERHITUNGAN DEBIT BULANAN DENGAN METODE NRECA

TAHUN : 2008
DAS : KAWARI

BULAN	PER.	jumlah hari	CH Rerata 1/2 bulanan (mm)	Evaporasi Potensial (PET) (mm)	Tamp. Kelengasan Awal (Wo) (mm)0.5 bulan	Rasio Tamp. Tanah (W)	CH Rerata/ PET	AET /PET	Evapotranspirasi aktual (AET) (mm)	Keseimbangan Air (WB) (mm)	Rasio Kelebihan Kelengasan (EMR)	Kelebihan Kelengasan (EM) (mm)	Perubahan Tumpungan (DS) (mm)	Tamp. Air Tanah (RGW) (mm)	Tamp. Air Tanah Awal (DF) (mm)	Tamp. Air Tanah Akhir (ESGW) (mm)	Aliran Air Tanah (GWF) (mm)	Larian Langsung (DRO) (mm)	Aliran Total (mm)	Aliran Total (m ³)
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Januari	I	15	1	51.58	1230.50	1.73	0.03	0.87	26.87	-25.55	0.00	0.00	-25.55	0.00	2.94	2.94	2.65	0.00	2.65	39,068
	II	16	1	55.02	1204.94	1.69	0.02	0.85	28.06	-26.98	0.00	0.00	-26.98	0.00	0.29	0.29	0.26	0.00	0.26	3,907
Pebruari	I	14	4	47.00	1177.96	1.66	0.09	0.84	23.80	-19.44	0.00	0.00	-19.44	0.00	0.03	0.03	0.03	0.00	0.03	391
	II	15	4	47.00	1158.52	1.63	0.08	0.83	23.40	-19.52	0.00	0.00	-19.52	0.00	0.00	0.00	0.00	0.00	0.00	39
Maret	I	15	6	53.46	1139.00	1.60	0.12	0.82	26.42	-20.19	0.00	0.00	-20.19	0.00	0.00	0.00	0.00	0.00	0.00	4
	II	16	3	57.02	1118.81	1.57	0.05	0.80	27.27	-24.40	0.00	0.00	-24.40	0.00	0.00	0.00	0.00	0.00	0.00	0
April	I	15	247	53.87	1094.42	1.54	4.59	1.00	32.32	214.76	0.88	188.07	26.69	18.81	0.00	18.81	16.93	169.27	186.19	2,748,212
	II	15	96	53.87	1121.10	1.58	1.78	1.00	32.32	63.68	0.90	57.20	6.48	5.72	1.88	7.60	6.84	51.48	58.32	860,806
Mei	I	15	155	55.57	1127.58	1.59	2.80	1.00	33.34	122.06	0.90	110.31	11.75	11.03	0.76	11.79	10.61	99.28	109.89	1,621,968
	II	16	287	59.28	1139.34	1.60	4.85	1.00	35.57	251.72	0.91	229.98	21.74	23.00	1.18	24.18	21.76	206.98	228.74	3,376,225
Juni	I	15	334	54.38	1161.07	1.63	6.15	1.00	32.63	301.66	0.93	281.14	20.52	28.11	2.42	30.53	27.48	253.02	280.50	4,140,227
	II	15	185	54.38	1181.59	1.66	3.41	1.00	32.63	152.85	0.95	145.10	7.75	14.51	3.05	17.56	15.81	130.59	146.40	2,160,856
Juli	I	15	212	55.12	1189.34	1.67	3.84	1.00	33.07	178.85	0.96	170.95	7.90	17.10	1.76	18.85	16.97	153.86	170.82	2,521,337
	II	16	183	58.80	1197.24	1.68	3.11	1.00	35.28	147.52	0.96	141.99	5.53	14.20	1.89	16.08	14.48	127.79	142.27	2,099,892
Agustus	I	15	10	61.88	1202.78	1.69	0.16	0.87	32.28	-22.68	0.00	0.00	-22.68	0.00	1.61	1.61	1.45	0.00	1.45	21,366
	II	16	47	66.01	1180.10	1.66	0.72	0.95	37.69	9.63	0.95	9.13	0.50	0.91	0.16	1.07	0.97	8.21	9.18	135,504
September	I	15	0	66.33	1180.60	1.66	0.00	0.83	33.03	-33.03	0.00	0.00	-33.03	0.00	0.11	0.11	0.10	0.00	0.10	1,426
	II	15	0	66.33	1147.57	1.61	0.00	0.81	32.10	-32.10	0.00	0.00	-32.10	0.00	0.01	0.01	0.01	0.00	0.01	143
Oktober	I	15	5	64.92	1115.46	1.57	0.07	0.80	31.16	-26.36	0.00	0.00	-26.36	0.00	0.00	0.00	0.00	0.00	0.00	14
	II	16	149	69.24	1089.10	1.53	2.15	1.00	41.55	107.26	0.87	93.45	13.81	9.34	0.00	9.34	8.41	84.10	92.51	1,365,506
November	I	15	240	58.74	1102.91	1.55	4.09	1.00	35.24	204.76	0.88	180.79	23.98	18.08	0.93	19.01	17.11	162.71	179.82	2,654,134
	II	15	215	58.74	1126.89	1.58	3.66	1.00	35.24	179.80	0.90	162.39	17.42	16.28	1.90	18.14	16.33	146.15	162.47	2,398,105
Desember	I	15	409	51.95	1144.31	1.61	7.87	1.00	31.17	377.80	0.92	346.76	31.04	34.68	1.81	36.49	32.84	312.08	344.93	5,091,098
	II	16	262	55.41	1175.35	1.65	4.73	1.00	33.24	228.84	0.94	216.03	12.81	21.60	3.65	25.25	22.73	194.43	217.16	3,205,232
RATA-2			110.44	57.33	1154.44	1.62	2.26	0.93	31.90	9										

PERHITUNGAN DEBIT BULANAN DENGAN METODE NRECA

TAHUN : 2009
 DAS : KAWARI

BULAN	PER.	jumlah hari	CH Rerata 1/2 bulanan (mm)	Evaporasi Potensial (PET) (mm)	Tamp. Kelengasan Awal (Wo) (mm)0.5 bulan	Rasio Tamp. Tanah (W)	CH Rerata/ PET	AET /PET	Evapotranspirasi aktual (AET) (mm)	Keseimbangan Air (WB) (mm)	Rasio Kelebihan Kelengasan (EMR)	Kelebihan Kelengasan (EM) (mm)	Perubahan Tumpungan (DS) (mm)	Tamp. Air Tanah (RGW) (mm)	Tamp. Air Tanah Awal (DF) (mm)	Tamp. Air Tanah Akhir (ESGW) (mm)	Aliran Air Tanah (GWF) (mm)	Larian Langsung (DRO) (mm)	Aliran Total (mm)	Aliran Total (m ³)
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Januari	I	15	553	51.58	1188.16	1.33	10.73	1.00	30.95	522.43	0.75	391.19	131.23	39.12	2.53	41.64	37.48	352.07	389.55	5,749,807
	II	16	370	55.02	1319.39	1.47	6.72	1.00	33.01	336.71	0.84	281.75	54.96	28.17	4.16	32.34	29.11	253.57	282.68	4,172,359
Pebruari	I	14	232	47.00	1374.35	1.54	4.93	1.00	28.20	203.40	0.87	177.70	25.71	17.77	3.23	21.00	18.90	159.93	178.83	2,639,526
	II	14	102	47.00	1400.06	1.56	2.18	1.00	28.20	74.20	0.89	66.10	8.10	6.61	2.10	8.71	7.84	59.49	67.33	993,806
Maret	I	15	367	53.46	1408.16	1.57	6.86	1.00	32.07	334.89	0.90	300.16	34.74	30.02	0.87	30.89	27.80	270.14	297.94	4,397,592
	II	16	62	57.02	1442.89	1.61	1.09	1.00	34.21	27.99	0.92	25.73	2.25	2.57	3.09	5.66	5.10	23.16	28.26	417,080
April	I	15	117	53.87	1445.14	1.61	2.17	1.00	32.32	84.40	0.92	77.74	6.66	7.77	0.57	8.34	7.51	69.96	77.47	1,143,445
	II	15	144	53.87	1451.81	1.62	2.67	1.00	32.32	111.68	0.93	103.36	8.32	10.34	0.83	11.17	10.05	93.03	103.08	1,521,479
Mei	I	15	270	55.57	1460.12	1.63	4.86	1.00	33.34	236.86	0.93	220.55	16.32	22.05	1.12	23.17	20.85	198.49	219.35	3,237,566
	II	16	317	59.28	1476.44	1.65	5.35	1.00	35.57	281.64	0.94	265.32	16.32	26.53	2.32	28.85	25.96	238.79	264.75	3,907,734
Juni	I	15	58	54.38	1492.76	1.67	1.06	1.00	32.63	24.97	0.95	23.80	1.17	2.38	2.88	5.26	4.74	21.42	26.16	386,072
	II	15	173	54.38	1493.93	1.67	3.19	1.00	32.63	140.62	0.95	134.12	6.50	13.41	0.53	13.94	12.54	120.70	133.25	1,966,747
Juli	I	15	256	55.12	1500.43	1.68	4.64	1.00	33.07	222.53	0.96	213.22	9.32	21.32	1.39	22.72	20.44	191.89	212.34	3,134,106
	II	16	93	58.80	1509.75	1.69	1.58	1.00	35.28	57.52	0.96	55.47	2.05	5.55	2.27	7.82	7.04	49.93	56.96	840,765
Agustus	I	15	10	61.88	1511.80	1.69	1.06	0.87	32.24	-22.64	0.00	0.00	-22.64	0.00	0.78	0.78	0.70	0.00	0.70	10,387
	II	16	62	66.01	1489.15	1.66	0.95	0.99	39.24	23.16	0.95	22.02	1.14	2.20	0.00	2.28	2.05	19.81	21.87	322,743
September	I	15	0	66.33	1490.30	1.66	0.00	0.83	33.12	-33.12	0.00	0.00	-33.12	0.00	0.23	0.23	0.21	0.00	0.21	3,028
	II	15	19	66.33	1457.17	1.63	0.29	0.87	34.53	-15.33	0.00	0.00	-15.33	0.00	0.02	0.02	0.02	0.00	0.02	303
Oktober	I	15	24	64.92	1441.84	1.61	0.37	0.88	34.17	-10.17	0.00	0.00	-10.17	0.00	0.00	0.00	0.00	0.00	0.00	30
	II	16	19	69.24	1431.67	1.60	0.28	0.86	35.53	-16.33	0.00	0.00	-16.33	0.00	0.00	0.00	0.00	0.00	0.00	3
Nopember	I	15	93	58.74	1415.35	1.58	1.59	1.00	35.24	57.88	0.90	52.15	5.72	5.22	0.00	5.22	4.69	46.94	51.63	762,107
	II	15	189	58.74	1421.07	1.59	3.22	1.00	35.24	154.16	0.90	139.50	14.65	13.95	0.52	14.47	13.02	125.55	138.58	2,045,399
Desember	I	15	184	51.95	1435.73	1.60	3.55	1.00	31.17	152.99	0.91	139.95	13.04	14.04	1.45	15.44	13.90	125.96	139.86	2,064,265
	II	16	262	55.41	1448.77	1.62	4.73	1.00	33.24	228.68	0.92	211.19	17.49	21.12	1.54	22.66	20.40	190.07	210.47	3,106,465
RATA-2			230.44	50.15	1437.76	1.61	3.05	0.97	33.23	132.46	0.72	120.88	11.59	12.09	1.36	13.44	12.10	108.79	120.89	1784283.90
JUMLAH			3,976.67	200.60	34,506.24	38.54	73.14	23.29	797.55	3,179.12	17.31	2,901.02	278.10	290.10	32.52	322.62	290.36	2,610.91	2,901.27	42,822,813.50

PERHITUNGAN DEBIT BULANAN DENGAN METODE NRECA

TAHUN : 2010
 DAS : KAWARI

BULAN	PER.	jumlah hari	CH Rerata 1/2 bulanan (mm)	Evaporasi Potensial (PET) (mm)	Tamp. Kelengasan Awal (Wo) (mm)0.5 bulan	Rasio Tamp. Tanah (W)	CH Rerata/ PET	AET /PET	Evapotranspirasi aktual (AET) (mm)	Keseimbangan Air (WB) (mm)	Rasio Kelebihan Kelengasan (EMR)	Kelebihan Kelengasan (EM) (mm)	Perubahan Tumpungan (DS) (mm)	Tamp. Air Tanah (RGW) (mm)	Tamp. Air Tanah Awal (DF) (mm)	Tamp. Air Tanah Akhir (ESGW) (mm)	Aliran Air Tanah (GWF) (mm)	Larian Langsung (DRO) (mm)	Aliran Total (mm)	Aliran Total (m ³)
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Januari	I	15	292	51.58	1466.26	0.87	5.67	1.00	30.95	261.38	0.47	123.36	138.01	12.34	2.27	14.60	13.14	111.03	124.17	1,832,764
	II	16	414	55.02	1604.27	0.95	7.53	1.00	33.01	381.24	0.52	198.59	182.66	19.86	1.46	21.32	19.19	178.73	197.92	2,921,239
Pebruari	I	14	401	47.00	1786.93	1.06	8.53	1.00	28.20	372.85	0.59	218.35	154.50	21.84	2.13	23.97	21.57	196.52	218.09	3,218,981
	II	14	236	47.00	1941.42	1.15	5.02	1.00	28.20	207.73	0.64	133.03	74.70	13.30	2.40	15.70	14.13	119.72	133.85	1,975,661
Maret	I	15	168	53.46	2016.13	1.19	3.14	1.00	32.07	135.93	0.67	90.65	45.28	9.06	1.57	10.63	9.57	81.58	91.15	1,345,437
	II	16	168	57.02	2061.41	1.22	2.95	1.00	34.21	133.79	0.68	91.37	42.42	9.14	1.06	10.20	9.18	82.23	91.41	1,349,250
April	I	15	197	53.87	2103.83	1.24	3.65	1.00	32.32	164.48	0.70	114.80	49.68	11.48	1.02	12.50	11.25	103.32	114.57	1,691,062
	II	15	389	53.87	2153.51	1.27	7.22	1.00	32.32	356.49	0.72	255.09	101.40	25.51	1.25	26.76	24.08	229.58	253.66	3,744,063
Mei	I	15	383	55.57	2254.91	1.33	6.89	1.00	33.34	349.79	0.75	262.86	86.92	26.29	2.68	28.96	26.07	236.58	262.64	3,876,619
	II	16	478	59.28	2341.84	1.38	8.07	1.00	35.57	442.89	0.78	346.47	96.41	34.65	2.90	37.54	33.79	311.83	345.62	5,101,278
Juni	I	15	455	54.38	2438.25	1.44	8.37	1.00	32.63	422.42	0.82	344.90	77.52	34.49	3.75	38.24	34.42	310.41	344.83	5,089,694
	II	15	201	54.38	2515.77	1.49	3.69	1.00	32.63	168.02	0.84	141.80	26.22	14.18	3.82	18.00	16.20	127.62	143.82	2,122,820
Juli	I	15	571	55.12	2541.99	1.50	10.36	1.00	33.07	538.14	0.85	459.17	78.97	45.92	1.80	47.72	42.95	413.25	456.20	6,733,473
	II	16	429	58.80	2620.97	1.55	7.30	1.00	35.28	393.77	0.88	347.00	46.77	34.70	4.77	39.47	35.52	312.30	347.83	5,133,938
Agustus	I	15	527	61.88	2667.73	1.58	8.51	1.00	37.13	489.52	0.90	439.50	50.02	43.95	3.95	47.90	43.11	395.55	438.66	6,474,584
	II	16	187	66.01	2717.75	1.60	2.84	1.00	39.61	147.60	0.92	135.13	12.47	13.51	4.79	18.30	16.47	121.62	138.09	2,038,260
September	I	15	232	66.33	2730.22	1.61	3.49	1.00	39.80	191.97	0.92	176.60	15.37	17.66	1.83	19.49	17.54	158.94	176.48	2,604,891
	II	15	72	66.33	2745.59	1.62	1.09	1.00	39.80	32.20	0.93	29.80	2.40	2.98	1.95	4.93	4.44	26.82	31.26	461,353
Oktober	I	15	250	64.92	2747.99	1.62	3.85	1.00	38.95	210.66	0.93	195.12	15.53	15.51	0.49	20.01	18.00	175.61	193.62	2,857,767
	II	16	343	69.24	2763.52	1.63	4.95	1.00	41.55	301.26	0.93	280.71	20.56	28.07	2.00	30.07	27.06	252.63	279.70	4,128,352
Nopember	I	15	408	58.74	2784.08	1.64	6.95	1.00	35.24	372.77	0.94	350.05	22.72	35.00	3.01	38.01	34.21	315.04	349.25	5,154,995
	II	15	389	58.74	2806.80	1.66	6.62	1.00	35.24	353.57	0.95	334.87	18.70	33.49	3.80	37.29	33.56	301.38	334.94	4,943,682
Desember	I	15	398	51.95	2825.50	1.67	7.67	1.00	31.17	367.25	0.95	350.25	16.99	35.03	3.73	38.75	34.88	315.23	350.11	5,167,571
	II	16	379	55.41	2842.50	1.6														

PERHITUNGAN DEBIT BULANAN DENGAN METODE NRECA

TAHUN : 2011
 DAS : KAWARI

BULAN	PER.	jumlah hari	CH Rerata 1/2 bulanan (mm)	Evaporasi Potensial (PET) (mm)	Tamp. Kelengasan Awal (Wo) (mm)0.5 bulan	Rasio Tamp. Tanah (W)	CH Rerata/ PET	AET /PET	Evapotranspirasi aktual (AET) (mm)	Keseimbangan Air (WB) (mm)	Rasio Kelebihan Kelengasan (EMR)	Kelebihan Kelengasan (EM) (mm)	Perubahan Tumpungan (DS) (mm)	Tamp. Air Tanah (RGW) (mm)	Tamp. Air Tanah Awal (DF) (mm)	Tamp. Air Tanah Akhir (ESGW) (mm)	Aliran Air Tanah (GWF) (mm)	Larian Langsung (DRO) (mm)	Aliran Total (mm)	Aliran Total (m ³)
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Januari	I	15	131	51.58	2856.42	6.65	2.54	1.00	30.95	100.21	3.94	394.96	-294.75	39.50	3.71	43.20	38.88	355.46	394.35	5,820,561
	II	16	126	55.02	2561.67	5.96	2.29	1.00	33.01	93.06	3.53	328.48	-235.42	32.85	4.32	37.17	33.45	295.63	329.09	4,857,322
Pebruari	I	14	113	47.00	2326.24	5.41	2.40	1.00	28.20	84.67	3.20	271.05	-186.37	27.10	3.72	30.82	27.74	243.94	271.68	4,010,042
	II	14	134	47.00	2139.87	4.98	2.85	1.00	28.20	105.60	2.94	310.53	-204.94	31.05	3.08	34.14	30.72	279.48	310.20	4,578,566
Maret	I	15	87	53.46	1934.93	4.50	1.62	1.00	32.07	54.56	2.65	144.84	-90.28	14.48	3.41	17.90	16.11	130.36	146.47	2,161,855
	II	16	103	57.02	1844.65	4.29	1.80	1.00	34.21	68.62	2.53	173.51	-104.89	17.35	1.79	19.14	17.23	156.16	173.39	2,559,240
April	I	15	137	53.87	1739.76	4.05	2.55	1.00	32.32	104.92	2.38	249.91	-145.00	24.99	1.91	26.91	24.21	224.92	249.14	3,677,253
	II	15	161	53.87	1594.77	3.71	2.98	1.00	32.32	128.40	2.18	279.84	-151.44	27.98	2.69	30.67	27.61	251.86	279.46	4,124,895
Mei	I	15	97	55.57	1443.32	3.36	1.74	1.00	33.34	63.34	1.97	124.65	-61.31	12.46	3.07	15.53	13.98	112.18	126.16	1,862,117
	II	16	83	59.28	1382.01	3.22	1.39	1.00	35.57	47.00	1.88	88.47	-41.47	8.85	1.55	10.40	9.36	79.62	88.98	1,313,337
Juni	I	15	10	54.38	1340.54	3.12	0.18	1.46	47.67	-38.07	0.00	0.00	-38.07	0.00	1.04	1.04	0.94	0.00	0.94	13,815
	II	15	28	54.38	1302.48	3.03	0.51	1.25	40.84	-13.00	0.00	0.00	-13.00	0.00	0.10	0.10	0.09	0.00	0.09	1,382
Juli	I	15	0	55.12	1289.48	3.00	0.00	1.50	49.62	-49.62	0.00	0.00	-49.62	0.00	0.01	0.01	0.01	0.00	0.01	138
	II	16	0	58.80	1239.86	2.88	0.00	1.44	50.89	-50.89	0.00	0.00	-50.89	0.00	0.00	0.00	0.00	0.00	0.00	14
Agustus	I	15	0	61.88	1188.97	2.77	0.00	1.38	51.36	-51.36	0.00	0.00	-51.36	0.00	0.00	0.00	0.00	0.00	0.00	1
	II	16	0	66.01	1137.61	2.65	0.00	1.32	52.42	-52.42	0.00	0.00	-52.42	0.00	0.00	0.00	0.00	0.00	0.00	0
September	I	15	0	66.33	1085.19	2.53	0.00	1.26	50.25	-50.25	0.00	0.00	-50.25	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	15	14	66.33	1034.94	2.41	0.22	1.16	46.15	-31.71	0.00	0.00	-31.71	0.00	0.00	0.00	0.00	0.00	0.00	0
Oktober	I	15	0	64.92	1003.23	2.33	0.00	1.17	45.46	-45.46	0.00	0.00	-45.46	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	16	38	69.24	957.77	2.23	0.56	1.05	43.66	-5.18	0.00	0.00	-5.18	0.00	0.00	0.00	0.00	0.00	0.00	0
Nopember	I	15	69	58.74	952.59	2.22	1.18	1.00	35.24	33.80	1.28	43.35	-9.55	4.33	0.00	4.33	3.90	39.01	42.92	633,426
	II	15	94	58.74	943.04	2.19	1.60	1.00	35.24	58.60	1.27	74.38	-15.78	7.44	0.43	7.87	7.08	66.94	74.02	1,092,585
Desember	I	15	98	51.95	927.26	2.16	1.88	1.00	31.17	66.43	1.25	82.86	-16.43	8.29	0.79	9.07	8.17	74.57	82.74	1,221,172
	II	16	127	55.41	910.83	2.12	2.30	1.00	33.24	94.18	1.22	115.31	-21.13	11.53	0.91	12.44	11.19	103.78	114.98	1,697,050
RATA-2			100.67	57.33	1464.06	3.41	1.27	1.13	38.89	29.81	1.34	111.76	-81.95	11.18	1.36	12.53	11.28	100.58	111.86	1651032.08
JUMLAH			1,648.84	1,375.91	35,137.44	81.76	30.58	27.00	933.41	715.42	32.23	2,682.14	(1,966.72)	268.21	32.54	300.75	270.68	2,413.93	2,684.61	39,624,769.99

PERHITUNGAN DEBIT BULANAN DENGAN METODE NRECA

TAHUN : 2012
 DAS : KAWARI

BULAN	PER.	jumlah hari	CH Rerata 1/2 bulanan (mm)	Evaporasi Potensial (PET) (mm)	Tamp. Kelengasan Awal (Wo) (mm)0.5 bulan	Rasio Tamp. Tanah (W)	CH Rerata/ PET	AET /PET	Evapotranspirasi aktual (AET) (mm)	Keseimbangan Air (WB) (mm)	Rasio Kelebihan Kelengasan (EMR)	Kelebihan Kelengasan (EM) (mm)	Perubahan Tumpungan (DS) (mm)	Tamp. Air Tanah (RGW) (mm)	Tamp. Air Tanah Awal (DF) (mm)	Tamp. Air Tanah Akhir (ESGW) (mm)	Aliran Air Tanah (GWF) (mm)	Larian Langsung (DRO) (mm)	Aliran Total (mm)	Aliran Total (m ³)
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Januari	I	15	90	51.58	889.70	2.50	1.74	1.00	30.95	58.85	1.45	85.59	-26.74	8.56	1.24	9.80	8.82	77.03	85.85	1,267,207
	II	16	110	55.02	862.97	2.43	2.00	1.00	33.01	76.86	1.41	108.32	-31.45	10.83	0.98	11.81	10.63	97.48	108.11	1,595,773
Pebruari	I	14	70	47.00	831.51	2.34	1.49	1.00	28.20	41.78	1.36	56.65	-14.88	5.67	1.18	6.85	6.16	50.99	57.15	843,504
	II	15	64	47.00	816.64	2.30	1.37	1.00	28.20	36.28	1.33	48.28	-12.01	4.83	0.68	5.51	4.96	43.45	48.42	714,622
Maret	I	15	60	53.46	804.63	2.26	1.13	1.00	32.07	28.29	1.31	37.07	-8.79	3.71	0.55	4.26	3.83	33.37	37.20	549,062
	II	16	80	57.02	795.84	2.24	1.40	1.00	34.21	45.38	1.30	58.80	-13.43	5.88	0.43	6.31	5.68	52.92	58.60	864,937
April	I	15	69	53.87	782.42	2.20	1.27	1.00	32.32	36.36	1.27	46.29	-9.93	4.63	0.63	5.26	4.73	41.66	46.39	684,752
	II	15	72	53.87	772.49	2.17	1.34	1.00	32.32	39.96	1.26	50.20	-10.25	5.02	0.53	5.55	4.99	45.18	50.17	740,553
Mei	I	15	26	55.57	762.24	2.14	0.46	1.04	34.64	-9.04	0.00	0.00	-9.04	0.00	0.55	0.55	0.50	0.00	0.50	7,367
	II	16	18	59.28	753.20	2.12	0.30	1.04	37.04	-19.16	0.00	0.00	-19.16	0.00	0.06	0.06	0.05	0.00	0.05	737
Juni	I	15	24	54.38	734.04	2.06	0.44	1.02	33.22	-9.38	0.00	0.00	-9.38	0.00	0.01	0.01	0.00	0.00	0.00	74
	II	15	8	54.38	724.66	2.04	0.15	1.02	33.16	-24.88	0.00	0.00	-24.88	0.00	0.00	0.00	0.00	0.00	0.00	7
Juli	I	15	17	55.12	699.78	1.97	0.30	0.99	32.71	-16.19	0.00	0.00	-16.19	0.00	0.00	0.00	0.00	0.00	0.00	1
	II	16	9	58.80	683.59	1.92	0.16	0.97	34.13	-24.82	0.00	0.00	-24.82	0.00	0.00	0.00	0.00	0.00	0.00	0
Agustus	I	15	1	61.88	658.77	1.85	0.02	0.93	34.44	-33.45	0.00	0.00	-33.45	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	16	2	66.01	625.33	1.76	0.03	0.88	34.96	-33.24	0.00	0.00	-33.24	0.00	0.00	0.00	0.00	0.00	0.00	0
September	I	15	1	66.33	592.09	1.67	0.01	0.83	33.21	-32.53	0.00	0.00	-32.53	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	15	14	66.33	559.56	1.57	0.21	0.83	33.12	-19.08	0.00	0.00	-19.08	0.00	0.00	0.00	0.00	0.00	0.00	0
Oktober	I	15	45	64.92	540.49	1.52	0.69	0.93	36.07	8.81	0.86	7.62	1.19	0.76	0.00	0.76	0.69	6.86	7.54	111,349
	II	16	63	69.24	541.68	1.52	0.92	0.98	40.72	22.76	0.87	19.73	3.03	1.97	0.08	2.05	1.84	17.75	19.60	289,244
Nopember	I	15	36	58.74	544.71	1.53	0.62	0.91	32.10	4.25	0.87	3.71	0.54	0.37	0.20	0.58	0.52	3.34	3.85	56,879
	II	15	170	58.74	545.26	1.53	2.89	1.00	35.24	134.51	0.87	117.40	17.11	11.74	0.06	11.80	10.62	105.66	116.28	1,716,330
Desember	I	15	161	51.95	562.36	1.58	3.09	1.00	31.17	129.47	0.90	116.74	12.73	11.67	1.18	12.85	11.57	105.06	116.63	1,721,506
	II	16	69	55.41	575.09	1.62	1.24	1.00	33.24	35.35	0.92	32.64	2.72	3.26	1.29	4.55	4.09	29.37	33.47	493,975
RATA-2			57.55	57.33	694.13	1.95	0.97	0.97	33.35	19.88	0.67	32.88	-13.00	3.29	0.40	3.69	3.32	29.59	32.91	485744.95

PERHITUNGAN DEBIT BULANAN DENGAN METODE NRECA

TAHUN : 2013
 DAS : KAWARI

BULAN	PER.	jumlah hari	CH Rerata 1/2 bulanan (mm)	Evaporasi Potensial (PET) (mm)	Tamp. Kelengasan Awal (Wo) (mm)0.5 bulan	Rasio Tamp. Tanah (W)	CH Rerata/ PET	AET /PET	Evapotranspirasi aktual (AET) (mm)	Keseimbangan Air (WB) (mm)	Rasio Kelebihan Kelengasan (EMR)	Kelengkapan Kelengasan (EM) (mm)	Perubahan Tumpungan (DS) (mm)	Tamp. Air Tanah (RGW) (mm)	Tamp. Air Tanah Awal (DF) (mm)	Tamp. Air Tanah Akhir (ESGW) (mm)	Aliran Air Tanah (GWF) (mm)	Larian Langsung (DRO) (mm)	Aliran Total (mm)	Aliran Total (m ³)
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Januari	I	15	645	51.58	577.81	0.61	12.51	1.00	30.95	614.19	0.32	194.43	419.76	19.44	0.45	19.90	17.91	174.98	192.89	2,847,072
	II	16	272	55.02	997.57	1.05	4.95	1.00	33.01	239.11	0.58	138.96	100.14	13.90	1.99	15.89	14.30	125.07	139.37	2,057,040
Pebruari	I	14	65	47.00	1097.71	1.15	1.38	1.00	28.20	36.72	0.64	23.66	13.06	2.37	1.59	3.95	3.56	21.29	24.85	366,776
	II	14	282	47.00	1110.77	1.17	6.00	1.00	28.20	253.84	0.65	165.64	88.20	16.56	0.40	16.96	15.26	149.08	164.34	2,425,646
Maret	I	15	217	53.46	1198.96	1.26	4.05	1.00	32.07	184.49	0.71	130.64	53.84	13.06	1.70	14.76	13.28	117.58	130.86	1,931,540
	II	16	21	57.02	1252.81	1.32	0.37	0.78	26.80	-5.89	0.00	0.00	-5.89	0.00	1.48	1.48	1.33	0.00	1.33	19,608
April	I	15	67	53.87	1246.82	1.31	1.25	1.00	32.32	34.91	0.74	25.78	9.13	2.58	0.15	2.73	2.45	23.20	25.65	378,652
	II	15	517	53.87	1256.06	1.32	9.60	1.00	32.32	484.89	0.74	360.82	124.06	36.08	0.27	36.35	32.72	324.74	357.46	5,276,094
Mei	I	15	34	55.57	1380.12	1.45	0.62	0.90	29.85	4.55	0.82	3.74	0.81	0.37	3.67	4.01	3.61	3.37	6.98	102,996
	II	16	94	59.28	1380.93	1.45	1.59	1.00	35.57	58.76	0.82	48.35	10.41	4.83	0.40	5.24	4.71	43.51	48.23	711,822
Juni	I	15	416	54.38	1391.34	1.46	7.66	1.00	32.63	383.74	0.83	318.28	65.46	31.83	0.52	32.35	29.12	286.46	315.57	4,657,848
	II	15	20	54.38	1456.80	1.53	0.36	0.85	27.73	-8.13	0.00	0.00	-8.13	0.00	3.24	3.24	2.91	0.00	2.91	42,976
Juli	I	15	62	55.12	1448.67	1.52	1.13	1.00	33.07	29.09	0.87	25.18	3.91	2.52	0.32	2.84	2.56	22.66	25.21	372,173
	II	16	28	58.80	1452.58	1.53	0.48	0.88	30.93	-2.73	0.00	0.00	-2.73	0.00	0.28	0.28	0.26	0.00	0.26	3,774
Agustus	I	15	5	61.88	1449.85	1.52	0.08	0.78	29.02	-23.78	0.00	0.00	-23.78	0.00	0.03	0.03	0.03	0.00	0.03	377
	II	16	1	66.01	1426.07	1.50	0.02	0.75	29.81	-28.81	0.00	0.00	-28.81	0.00	0.00	0.00	0.00	0.00	0.00	38
September	I	15	0	66.33	1397.26	1.47	0.00	0.73	29.21	-29.17	0.00	0.00	-29.17	0.00	0.00	0.00	0.00	0.00	0.00	4
	II	15	1	66.33	1368.09	1.44	0.01	0.72	28.70	-28.06	0.00	0.00	-28.06	0.00	0.00	0.00	0.00	0.00	0.00	0
Oktober	I	15	31	64.92	1340.02	1.41	0.48	0.85	32.93	-1.86	0.00	0.00	-1.86	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	16	367	69.24	1338.16	1.41	5.30	1.00	41.55	325.14	0.80	258.78	66.36	25.88	0.00	25.88	23.29	232.90	256.19	3,781,348
Nopember	I	15	212	58.74	1404.52	1.48	3.61	1.00	35.24	176.56	0.84	147.91	28.65	14.79	2.59	17.38	15.64	133.12	148.76	2,195,687
	II	15	33	58.74	1433.17	1.51	0.55	0.89	31.36	1.20	0.86	1.03	0.17	0.10	1.74	1.84	1.66	0.92	2.58	38,075
Desember	I	15	132	51.95	1433.35	1.51	2.55	1.00	31.17	101.06	0.86	86.50	14.56	8.65	0.18	8.83	7.95	77.85	85.80	1,266,439
	II	16	738	55.41	1447.91	1.52	13.32	1.00	33.24	704.66	0.87	609.59	95.07	60.96	0.88	61.84	55.66	548.63	604.29	8,919,262
RATA-2			220.90	57.33	1303.64	1.37	3.24	0.92	31.50	146.02	0.50	105.80	40.22	10.58	0.91	11.49	10.34	95.22	105.56	1558135.31
JUMLAH			4,260.35	1,375.91	31,287.44	32.86	77.84	22.13	755.89	3,504.45	11.94	2,539.28	965.17	253.93	21.85	275.78	248.20	2,285.35	2,533.55	37,395,247.36

PERHITUNGAN DEBIT BULANAN DENGAN METODE NRECA

TAHUN : 2014
 DAS : KAWARI

BULAN	PER.	jumlah hari	CH Rerata 1/2 bulanan (mm)	Evaporasi Potensial (PET) (mm)	Tamp. Kelengasan Awal (Wo) (mm)0.5 bulan	Rasio Tamp. Tanah (W)	CH Rerata/ PET	AET /PET	Evapotranspirasi aktual (AET) (mm)	Keseimbangan Air (WB) (mm)	Rasio Kelebihan Kelengasan (EMR)	Kelengkapan Kelengasan (EM) (mm)	Perubahan Tumpungan (DS) (mm)	Tamp. Air Tanah (RGW) (mm)	Tamp. Air Tanah Awal (DF) (mm)	Tamp. Air Tanah Akhir (ESGW) (mm)	Aliran Air Tanah (GWF) (mm)	Larian Langsung (DRO) (mm)	Aliran Total (mm)	Aliran Total (m ³)
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Januari	I	15	161	51.58	1542.98	3.72	3.13	1.00	30.95	130.49	2.19	285.25	-154.76	28.52	6.18	34.71	31.24	256.72	287.96	4,250,292
	II	16	143	55.02	1388.22	3.35	2.60	1.00	33.01	109.91	1.96	215.63	-105.73	21.56	3.47	25.03	22.53	194.07	216.60	3,197,043
Pebruari	I	14	66	47.00	1282.49	3.09	1.40	1.00	28.20	37.40	1.81	67.65	-30.25	6.76	2.50	9.27	8.34	60.88	69.22	1,021,753
	II	14	71	47.00	1252.24	3.02	1.50	1.00	28.20	42.31	1.77	74.69	-32.37	7.47	0.93	8.40	7.56	67.22	74.78	1,103,683
Maret	I	15	73	53.46	1219.87	2.94	1.36	1.00	32.07	40.56	1.72	69.70	-29.13	6.97	0.84	7.81	7.03	62.73	69.75	1,029,582
	II	16	124	57.02	1190.73	2.87	2.17	1.00	34.21	89.31	1.68	149.69	-60.38	14.97	0.78	15.75	14.17	134.72	148.89	2,197,674
April	I	15	90	53.87	1130.35	2.73	1.68	1.00	32.32	57.95	1.59	92.07	-34.11	9.21	1.57	10.78	9.70	82.86	92.56	1,366,250
	II	15	53	53.87	1096.24	2.64	0.98	1.01	32.55	20.13	1.54	30.98	-10.85	3.10	1.08	4.18	3.76	27.88	31.64	467,000
Mei	I	15	15	55.57	1085.38	2.62	0.26	1.23	40.94	-26.34	0.00	0.00	-26.34	0.00	0.42	0.42	0.38	0.00	0.38	5,547
	II	16	33	59.28	1059.04	2.55	0.56	1.12	39.94	-6.94	0.00	0.00	-6.94	0.00	0.04	0.04	0.04	0.00	0.04	555
Juni	I	15	64	54.38	1052.10	2.54	1.17	1.00	32.63	31.21	1.48	46.05	-14.84	4.60	0.00	4.61	4.15	41.44	45.59	672,922
	II	15	113	54.38	1037.26	2.50	2.08	1.00	32.63	80.65	1.45	117.26	-36.61	11.73	0.46	12.19	10.97	105.54	116.51	1,719,620
Juli	I	15	115	55.12	1000.65	2.41	2.09	1.00	33.07	82.17	1.40	115.11	-32.94	11.51	1.22	12.73	11.46	103.60	115.06	1,698,232
	II	16	1	58.80	967.71	2.33	0.01	1.16	41.09	-40.25	0.00	0.00	-40.25	0.00	1.27	1.27	1.15	0.00	1.15	16,910
Agustus	I	15	23	61.88	927.46	2.24	0.37	1.07	39.89	-16.85	0.00	0.00	-16.85	0.00	0.13	0.13	0.11	0.00	0.11	1,691
	II	16	6	66.01	910.61	2.20	0.09	1.09	43.15	-37.35	0.00	0.00	-37.35	0.00	0.01	0.01	0.01	0.00	0.01	169
September	I	15	0	66.33	873.26	2.11	0.00	1.05	41.91	-41.91	0.00	0.00	-41.91	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	15	0	66.33	831.34	2.01	0.00	1.00	39.90	-39.90	0.00	0.00	-39.90	0.00	0.00	0.00	0.00	0.00	0.00	17
Oktober	I	15	14	64.92	791.44	1.91	0.22	0.96	37.57	-23.17	0.00	0.00	-23.17	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	16	2	69.24	768.27	1.85	0.02	0.93	38.57	-36.93	0.00	0.00	-36.93	0.00	0.00	0.00	0.00	0.00	0.00	0
Nopember	I	15	19	58.74	731.35	1.76	0.32	0.92	32.43	-13.40	0.00	0.00	-13.40	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	15	84	58.74	717.95	1.73	1.43	1.00	35.24	48.88	0.99	48.47	0.41	4.85	0.00	4.85	4.36	43.62	47.98	708,224
Desember	I	15	161	51.95	718.36	1.73	3.10	1.00	31.17	129.71	0.99	128.71	1.01	12.87	0.48	13.36	12.02	115.83	127.85	1,887,133
	II	16	144	55.41	719.36	1.74	2.59	1.00	33.24	110.47	0.99	109.77	0.70	10.98	1.34	12.31	11.08	98.79	109.87	1,621,742
RATA-2			83.69	57.33	1012.28	2.44	1.21	1.02	35.20	30.34	0.90	64.63	-34.29	6						

PERHITUNGAN DEBIT BULANAN DENGAN METODE NRECA

TAHUN : 2015
 DAS : KAWARI

BULAN	PER.	jumlah hari	CH Rerata 1/2 bulanan (mm)	Evaporasi Potensial (PET) (mm)	Tamp. Kelengasan Awal (Wo) (mm)0.5 bulan	Rasio Tamp. Tanah (W)	CH Rerata/ PET	AET /PET	Evapotranspirasi aktual (AET) (mm)	Keseimbangan Air (WB) (mm)	Rasio Kelebihan Kelengasan (EMR)	Kelebihan Kelengasan (EM) (mm)	Perubahan Tumpungan (DS) (mm)	Tamp. Air Tanah (RGW) (mm)	Tamp. Air Tanah Awal (DF) (mm)	Tamp. Air Tanah Akhir (ESGW) (mm)	Aliran Air Tanah (GWF) (mm)	Larian Langsung (DRO) (mm)	Aliran Total (mm)	Aliran Total (m ³)
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Januari	I	15	480	51.58	720.06	1.25	9.31	1.00	30.95	449.14	0.70	315.40	133.74	31.54	1.23	32.77	29.49	283.86	313.35	4,625,058
	II	16	121	55.02	853.80	1.48	2.20	1.00	33.01	87.79	0.84	73.88	13.91	7.39	3.28	10.66	9.60	66.49	76.09	1,123,051
Pebruari	I	14	186	47.00	867.72	1.51	3.97	1.00	28.20	158.28	0.86	135.49	22.79	13.55	1.07	14.62	13.15	121.94	135.09	1,993,982
	II	14	171	47.00	890.51	1.55	3.63	1.00	28.20	142.52	0.88	125.38	17.14	12.54	1.46	14.00	12.60	112.84	125.44	1,851,530
Maret	I	15	234	53.46	907.65	1.57	4.38	1.00	32.07	202.09	0.90	181.40	20.70	18.14	1.40	19.54	17.59	163.26	180.84	2,669,238
	II	16	313	57.02	928.34	1.61	5.49	1.00	34.21	278.76	0.92	256.22	22.54	25.62	1.95	27.58	24.82	230.60	255.42	3,769,929
April	I	15	262	53.87	950.88	1.65	4.86	1.00	32.32	229.76	0.94	216.58	13.18	21.66	2.76	24.42	21.97	194.92	216.90	3,201,389
	II	15	140	53.87	964.06	1.67	2.60	1.00	32.32	107.84	0.96	103.13	4.71	10.31	2.44	12.75	11.48	92.82	104.30	1,539,457
Mei	I	15	151	55.57	968.77	1.68	2.71	1.00	33.34	117.38	0.96	112.83	4.55	11.28	1.28	12.56	11.30	101.55	112.85	1,665,718
	II	16	8	59.28	973.32	1.69	0.13	0.86	30.75	-23.07	0.00	0.00	-23.07	0.00	1.26	1.13	0.00	0.00	1.13	16,683
Juni	I	15	31	54.38	950.25	1.65	0.56	0.92	30.14	0.58	0.94	0.55	0.03	0.05	0.13	0.18	0.16	0.49	0.66	9,704
	II	15	14	54.38	950.28	1.65	0.26	0.87	28.42	-14.02	0.00	0.00	-14.02	0.00	0.02	0.02	0.02	0.00	0.02	240
Juli	I	15	0	55.12	936.26	1.62	0.00	0.81	26.87	-26.87	0.00	0.00	-26.87	0.00	0.00	0.00	0.00	0.00	0.00	24
	II	16	0	58.80	909.40	1.58	0.00	0.79	27.84	-27.84	0.00	0.00	-27.84	0.00	0.00	0.00	0.00	0.00	0.00	2
Agustus	I	15	0	61.88	881.56	1.53	0.00	0.76	28.40	-28.40	0.00	0.00	-28.40	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	16	0	66.01	853.16	1.48	0.00	0.74	29.32	-29.32	0.00	0.00	-29.32	0.00	0.00	0.00	0.00	0.00	0.00	0
September	I	15	29	66.33	823.85	1.43	0.43	0.84	33.38	-4.58	0.00	0.00	-4.58	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	15	38	66.33	819.27	1.42	0.58	0.88	34.95	3.45	0.81	2.78	0.67	0.28	0.00	0.28	0.25	2.50	2.75	40,591
Oktober	I	15	86	64.92	819.94	1.42	1.33	1.00	38.95	47.45	0.81	38.26	9.19	3.83	0.03	3.85	3.47	34.43	37.90	559,421
	II	16	110	69.24	829.14	1.44	1.59	1.00	41.55	68.86	0.82	56.18	12.68	5.62	0.39	6.00	5.40	50.56	55.96	825,973
Nopember	I	15	0	58.74	841.82	1.46	0.00	0.73	25.74	-25.74	0.00	0.00	-25.74	0.00	0.60	0.60	0.54	0.00	0.54	7,974
	II	15	1	58.74	816.08	1.42	0.02	0.71	25.16	-23.96	0.00	0.00	-23.96	0.00	0.06	0.06	0.05	0.00	0.05	797
Desember	I	15	1	51.95	792.11	1.37	0.03	0.70	21.68	-20.28	0.00	0.00	-20.28	0.00	0.01	0.01	0.00	0.00	0.01	80
	II	16	4	55.41	771.83	1.34	0.07	0.69	23.03	-19.15	0.00	0.00	-19.15	0.00	0.00	0.00	0.00	0.00	0.00	8
RATA-2			175.92	57.33	875.84	1.52	1.84	0.89	30.45	68.78	0.47	67.42	1.36	6.74	0.81	7.55	6.79	60.68	67.47	995888.75
JUMLAH			2,381.48	1,375.91	21,020.05	36.47	44.17	21.32	730.80	1,650.68	11.33	1,618.07	32.61	161.81	19.35	181.15	163.04	1,456.26	1,619.30	23,900,850.04

PERHITUNGAN DEBIT BULANAN DENGAN METODE NRECA

TAHUN : 2016
 DAS : KAWARI

BULAN	PER.	jumlah hari	CH Rerata 1/2 bulanan (mm)	Evaporasi Potensial (PET) (mm)	Tamp. Kelengasan Awal (Wo) (mm)0.5 bulan	Rasio Tamp. Tanah (W)	CH Rerata/ PET	AET /PET	Evapotranspirasi aktual (AET) (mm)	Keseimbangan Air (WB) (mm)	Rasio Kelebihan Kelengasan (EMR)	Kelebihan Kelengasan (EM) (mm)	Perubahan Tumpungan (DS) (mm)	Tamp. Air Tanah (RGW) (mm)	Tamp. Air Tanah Awal (DF) (mm)	Tamp. Air Tanah Akhir (ESGW) (mm)	Aliran Air Tanah (GWF) (mm)	Larian Langsung (DRO) (mm)	Aliran Total (mm)	Aliran Total (m ³)
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Januari	I	15	258	51.58	752.67	1.31	5.01	1.00	30.95	227.26	0.74	167.31	59.95	16.73	0.00	16.73	15.06	150.58	165.63	2,444,752
	II	16	296	55.02	812.63	1.41	5.38	1.00	33.01	262.79	0.80	209.88	52.92	20.99	1.67	22.66	20.39	188.89	209.28	3,089,015
Pebruari	I	14	122	47.00	865.55	1.50	2.60	1.00	28.20	93.80	0.85	80.08	13.72	8.01	2.27	10.27	9.25	72.07	81.32	1,200,298
	II	14	232	47.00	879.26	1.53	4.94	1.00	28.20	204.00	0.87	177.08	26.92	17.71	1.03	18.74	16.86	159.37	176.24	2,601,256
Maret	I	15	289	53.46	906.19	1.57	5.41	1.00	32.07	257.33	0.90	230.59	26.74	23.06	1.87	24.93	22.44	207.53	229.97	3,394,356
	II	16	205	57.02	932.93	1.62	3.59	1.00	34.21	170.59	0.92	157.61	12.98	15.76	2.49	18.25	16.43	141.85	158.28	2,336,236
April	I	15	269	53.87	945.91	1.64	4.99	1.00	32.32	236.68	0.94	221.88	14.81	22.19	1.83	24.01	21.61	199.69	221.30	3,266,413
	II	15	305	53.87	960.71	1.67	5.66	1.00	32.32	272.41	0.95	259.56	12.84	25.96	2.40	28.36	25.52	233.61	259.13	3,824,761
Mei	I	15	62	55.57	973.55	1.69	1.12	1.00	33.34	29.06	0.97	28.08	0.98	2.81	2.84	5.64	5.08	25.27	30.35	447,960
	II	16	106	59.28	974.54	1.69	1.78	1.00	35.57	70.04	0.97	67.74	2.29	6.77	0.56	7.34	6.60	60.97	67.58	997,408
Juni	I	15	0	54.38	976.83	1.70	0.00	0.85	27.65	-27.65	0.00	0.00	-27.65	0.00	0.73	0.73	0.66	0.00	0.66	9,749
	II	15	22	54.38	949.18	1.65	0.41	0.90	29.21	-7.13	0.00	0.00	-7.13	0.00	0.07	0.07	0.00	0.00	0.07	975
Juli	I	15	53	55.12	942.05	1.63	0.96	0.99	32.82	19.98	0.93	18.65	1.33	1.87	0.01	1.87	1.69	16.79	18.47	272,634
	II	16	3	58.80	943.38	1.64	0.05	0.83	29.19	-26.31	0.00	0.00	-26.31	0.00	0.19	0.19	0.17	0.00	0.17	2,487
Agustus	I	15	0	61.88	917.07	1.59	0.00	0.80	29.54	-29.54	0.00	0.00	-29.54	0.00	0.02	0.02	0.02	0.00	0.02	249
	II	16	16	66.01	887.53	1.54	0.24	0.83	32.71	-16.67	0.00	0.00	-16.67	0.00	0.00	0.00	0.00	0.00	0.00	25
September	I	15	121	66.33	870.85	1.51	1.83	1.00	39.80	81.40	0.86	69.94	11.46	6.99	0.00	6.99	6.30	62.95	69.25	1,022,063
	II	15	317	66.33	882.31	1.53	4.78	1.00	39.80	277.01	0.87	241.33	35.68	24.13	0.70	24.83	22.35	217.20	239.55	3,535,695
Oktober	I	15	132	64.92	917.99	1.59	2.03	1.00	38.95	93.09	0.91	84.56	8.53	8.46	2.48	10.94	9.85	76.10	85.95	1,268,622
	II	16	511	69.24	926.52	1.61	7.38	1.00	41.55	469.51	0.92	430.65	38.85	43.07	1.09	44.16	39.74	387.59	427.33	6,307,608
Nopember	I	15	366	58.74	965.37	1.68	6.23	1.00	35.24	330.57	0.96	316.59	13.98	31.66	4.42	36.07	32.47	284.93	317.40	4,684,768
	II	15	372	58.74	979.35	1.70	6.34	1.00	35.24	337.17	0.97	327.82	9.35	32.78	3.61	36.39	32.75	295.03	327.78	4,838,105
Desember	I	15	166	51.95	988.70	1.72	3.19	1.00	31.17	134.60	0.98	132.18	2.42	13.22	3.64	16.86	15.17	118.96	134.13	1,979,734
	II	16	270	55.41	991.12	1.72	4.87	1.00	33.24	236.32	0.98	232.66	3.66	23.27	1.69	24.95	22.46	209.40	231.85	3,422,171
RATA-2			180.52	57.33	922.59	1.60	3.28	0.97	33.18	154.01	0.72									

PERHITUNGAN DEBIT BULANAN DENGAN METODE NRECA

TAHUN : 2017
 DAS : KAWARI

BULAN	PER.	jumlah hari	CH Rerata 1/2 bulanan (mm)	Evaporasi Potensial (PET) (mm)	Tamp. Kelengasan Awal (Wo) (mm)0.5 bulan	Rasio Tamp. Tanah (W)	CH Rerata/ PET	AET /PET	Evapotranspirasi aktual (AET) (mm)	Keseimbangan Air (WB) (mm)	Rasio Kelebihan Kelengasan (EMR)	Kelebihan Kelengasan (EM) (mm)	Perubahan Tumpungan (DS) (mm)	Tamp. Air Tanah (RGW) (mm)	Tamp. Air Tanah Awal (DF) (mm)	Tamp. Air Tanah Akhir (ESGW) (mm)	Aliran Air Tanah (GWF) (mm)	Larian Langsung (DRO) (mm)	Aliran Total (mm)	Aliran Total (m ³)
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Januari	I	15	130	51.58	994.78	1.73	2.52	1.00	30.95	99.14	0.99	97.98	1.16	9.80	2.50	12.29	11.06	88.18	99.25	1,464,868
	II	16	105	55.02	995.93	1.73	1.91	1.00	33.01	71.99	0.99	71.24	0.75	7.12	1.23	8.35	7.52	64.11	71.63	1,057,287
Pebruari	I	14	656	47.00	996.69	1.73	13.96	1.00	28.20	627.94	0.99	621.86	6.07	62.19	0.84	63.02	56.72	559.68	616.40	9,098,013
	II	14	403	47.00	1002.76	1.74	8.58	1.00	28.20	375.09	1.00	373.83	1.26	37.38	6.30	43.69	39.32	336.45	375.77	5,546,335
Maret	I	15	128	53.46	1004.02	1.74	2.39	1.00	32.07	95.93	1.00	95.73	0.20	9.57	4.37	13.94	12.55	86.16	98.71	1,456,901
	II	16	152	57.02	1004.21	1.74	2.67	1.00	34.21	117.79	1.00	117.57	0.22	11.76	1.39	13.15	11.84	105.82	117.65	1,736,551
April	I	15	76	53.87	1004.43	1.74	1.40	1.00	32.32	43.36	1.00	43.29	0.07	4.33	1.32	5.64	5.08	38.96	44.04	649,977
	II	15	248	53.87	1004.50	1.74	4.60	1.00	32.32	215.36	1.00	215.03	0.33	21.50	0.56	22.07	19.86	193.53	213.39	3,149,637
Mei	I	15	115	55.57	1004.83	1.74	2.07	1.00	33.34	81.86	1.00	81.76	0.10	8.18	2.21	10.38	9.34	73.59	82.93	1,224,073
	II	16	149	59.28	1004.93	1.74	2.51	1.00	35.57	113.24	1.00	113.12	0.12	11.31	1.04	12.35	11.11	101.80	112.92	1,666,683
Juni	I	15	600	54.38	1005.05	1.74	11.03	1.00	32.63	567.39	1.00	566.84	0.55	56.68	1.23	57.92	52.13	510.16	562.29	8,299,343
	II	15	606	54.38	1005.60	1.74	11.15	1.00	32.63	573.47	1.00	573.24	0.23	57.32	5.79	63.12	56.80	515.92	572.72	8,453,390
Juli	I	15	187	55.12	1005.82	1.75	3.40	1.00	33.07	154.13	1.00	154.11	0.02	15.41	6.31	21.72	19.55	138.70	158.25	2,355,709
	II	16	11	58.80	1005.85	1.75	0.19	0.90	31.63	-20.56	0.00	0.00	-20.56	0.00	2.17	2.17	1.96	0.00	1.96	28,856
Agustus	I	15	19	61.88	985.29	1.71	0.31	0.90	33.41	-14.21	0.00	0.00	-14.21	0.00	0.22	0.22	0.20	0.00	0.20	2,886
	II	16	0	66.01	971.08	1.69	0.00	0.84	33.37	-33.37	0.00	0.00	-33.37	0.00	0.00	0.00	0.00	0.00	0.00	289
September	I	15	0	66.33	937.71	1.63	0.01	0.81	32.42	-32.02	0.00	0.00	-32.02	0.00	0.00	0.00	0.00	0.00	0.00	29
	II	15	193	66.33	905.69	1.57	2.92	1.00	39.80	153.69	0.90	137.63	16.05	13.76	0.00	13.76	12.39	123.87	136.26	2,011,158
Oktober	I	15	20	64.92	921.74	1.60	0.31	0.86	33.58	-13.38	0.00	0.00	-13.38	0.00	1.38	1.38	1.24	0.00	1.24	18,284
	II	16	128	69.24	908.36	1.58	1.85	1.00	41.55	86.30	0.90	77.52	8.77	7.75	0.14	7.89	7.10	69.77	76.87	1,134,623
Nopember	I	15	217	58.74	917.14	1.59	3.69	1.00	35.24	181.76	0.91	164.94	16.82	16.49	0.79	17.28	15.56	148.45	164.00	2,420,713
	II	15	968	58.74	933.95	1.62	16.48	1.00	35.24	932.66	0.92	862.71	69.96	86.27	1.73	88.00	79.20	776.44	855.63	12,629,160
Desember	I	15	119	51.95	1003.91	1.74	2.29	1.00	31.17	87.63	1.00	87.45	0.19	8.74	8.80	17.54	15.79	78.70	94.49	1,394,686
	II	16	520	55.41	1004.10	1.74	9.38	1.00	33.24	486.45	1.00	485.50	0.95	48.55	1.75	50.30	45.27	436.95	482.22	7,117,576
RATA-2			280.67	57.33	980.35	1.70	4.40	0.97	33.30	206.32	0.77	205.89	0.43	20.59	2.17	22.76	20.48	185.30	205.78	3037376.11
JUMLAH			5,750.83	1,375.91	23,528.35	40.83	105.61	23.32	799.20	4,951.63	18.58	4,941.36	10.27	494.14	52.09	546.22	491.60	4,447.22	4,938.82	72,897,026.71

PERHITUNGAN DEBIT BULANAN DENGAN METODE NRECA

TAHUN : 2018
 DAS : KAWARI

BULAN	PER.	jumlah hari	CH Rerata 1/2 bulanan (mm)	Evaporasi Potensial (PET) (mm)	Tamp. Kelengasan Awal (Wo) (mm)0.5 bulan	Rasio Tamp. Tanah (W)	CH Rerata/ PET	AET /PET	Evapotranspirasi aktual (AET) (mm)	Keseimbangan Air (WB) (mm)	Rasio Kelebihan Kelengasan (EMR)	Kelebihan Kelengasan (EM) (mm)	Perubahan Tumpungan (DS) (mm)	Tamp. Air Tanah (RGW) (mm)	Tamp. Air Tanah Awal (DF) (mm)	Tamp. Air Tanah Akhir (ESGW) (mm)	Aliran Air Tanah (GWF) (mm)	Larian Langsung (DRO) (mm)	Aliran Total (mm)	Aliran Total (m ³)
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Januari	I	15	239	51.58	1005.05	1.74	4.63	1.00	30.95	207.81	1.00	207.61	0.20	20.76	5.03	25.79	23.21	186.85	210.07	3,100,561
	II	16	412	55.02	1005.25	1.74	7.49	1.00	33.01	378.92	1.00	378.63	0.29	37.86	2.58	40.44	36.40	340.77	377.17	5,566,978
Pebruari	I	14	358	47.00	1005.54	1.74	7.62	1.00	28.20	330.16	1.00	330.01	0.15	33.00	4.04	37.05	33.34	297.01	330.35	4,876,006
	II	14	368	47.00	1005.69	1.75	7.84	1.00	28.20	340.17	1.00	340.07	0.10	34.01	3.70	37.71	33.94	306.06	340.00	5,018,387
Maret	I	15	178	53.46	1005.79	1.75	3.33	1.00	32.07	145.93	1.00	145.90	0.03	14.59	3.77	18.36	16.53	131.31	147.84	2,182,086
	II	16	151	57.02	1005.82	1.75	2.64	1.00	34.21	116.51	1.00	116.49	0.02	11.65	1.84	13.49	12.14	104.84	116.98	1,726,635
April	I	15	86	53.87	1005.84	1.75	1.60	1.00	32.32	54.08	1.00	54.07	0.01	5.41	1.35	6.76	6.08	48.66	54.74	808,019
	II	15	120	53.87	1005.84	1.75	2.23	1.00	32.32	88.08	1.00	88.07	0.01	8.81	0.68	9.48	8.53	79.26	87.79	1,295,850
Mei	I	15	85	55.57	1005.86	1.75	1.53	1.00	33.34	51.58	1.00	51.57	0.01	5.16	0.95	6.11	5.49	46.42	51.91	766,195
	II	16	106	59.28	1005.86	1.75	1.78	1.00	35.57	70.24	1.00	70.23	0.01	7.02	0.61	7.63	6.87	63.21	70.08	1,034,332
Juni	I	15	10	54.38	1005.87	1.75	0.18	0.90	29.21	-19.61	0.00	0.00	-19.61	0.00	0.76	0.76	0.69	0.00	0.69	10,140
	II	15	151	54.38	986.26	1.71	2.77	1.00	32.63	118.10	0.98	115.67	2.42	11.57	0.08	11.64	10.48	104.10	114.58	1,691,239
Juli	I	15	86	55.12	988.69	1.72	1.57	1.00	33.07	53.33	0.98	52.37	0.96	5.24	1.16	6.40	5.76	47.13	52.89	780,683
	II	16	0	58.80	989.65	1.72	0.00	0.86	30.29	-30.29	0.00	0.00	-30.29	0.00	0.64	0.64	0.58	0.00	0.58	8,503
Agustus	I	15	0	61.88	959.35	1.66	0.00	0.83	30.91	-30.91	0.00	0.00	-30.91	0.00	0.06	0.06	0.06	0.00	0.06	850
	II	16	24	66.01	928.45	1.61	0.36	0.88	34.70	-10.70	0.00	0.00	-10.70	0.00	0.01	0.01	0.01	0.00	0.01	85
September	I	15	0	66.33	917.75	1.59	0.00	0.80	31.69	-31.69	0.00	0.00	-31.69	0.00	0.00	0.00	0.00	0.00	0.00	9
	II	15	0	66.33	886.06	1.54	0.00	0.77	30.60	-30.60	0.00	0.00	-30.60	0.00	0.00	0.00	0.00	0.00	0.00	1
Oktober	I	15	0	64.92	855.46	1.48	0.00	0.74	28.91	-28.91	0.00	0.00	-28.91	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	16	27	69.24	826.55	1.43	0.39	0.83	34.36	-7.48	0.00	0.00	-7.48	0.00	0.00	0.00	0.00	0.00	0.00	0
Nopember	I	15	91	58.74	819.08	1.42	1.55	1.00	35.24	55.96	0.81	45.07	10.89	4.51	0.00	4.51	4.06	40.56	44.62	658,533
	II	15	173	58.74	829.97	1.44	2.94	1.00	35.24	137.56	0.82	112.35	25.22	11.23	0.45	11.69	10.52	101.11	111.63	1,647,629
Desember	I	15	154	51.95	855.18	1.48	2.96	1.00	31.17	122.44	0.84	103.21	19.23	10.32	1.17	11.49	10.34	92.89	103.23	1,523,661
	II	16	166	55.41	874.41	1.52	3.00	1.00	33.24	132.84	0.86	114.64	18.20	11.46	1.15	12.61	11.35	103.17	114.53	1,690,408
RATA-2			188.67																	

PERHITUNGAN DEBIT BULANAN DENGAN METODE NRECA

TAHUN : 2019
 DAS : KAWARI

BULAN	PER.	jumlah hari	CH Rerata 1/2 bulanan (mm)	Evaporasi Potensial (PET) (mm)	Tamp. Kelengasan Awal (Wo) (mm)/0.5 bulan	Rasio Tamp. Tanah (Wj)	CH Rerata/ PET	AET /PET	Evapotranspirasi aktual (AET) (mm)	Keseimbangan Air (WB) (mm)	Rasio Kelebihan Kelengasan (EMR)	Kelebihan Kelengasan (EM) (mm)	Perubahan Tampungangan (DS) (mm)	Tamp. Air Tanah (RGW) (mm)	Tamp. Air Tanah Awal (DF) (mm)	Tamp. Air Tanah Akhir (ESGW) (mm)	Aliran Air Tanah (GWF) (mm)	Larian Langsung (DRO) (mm)	Aliran Total (mm)	Aliran Total (m ³)
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Januari	I	15	112	51.58	892.61	1.55	2.17	1.00	30.95	81.17	0.88	71.59	9.58	7.16	1.26	8.42	7.58	64.43	72.01	1,062,860
	II	16	286	55.02	902.20	1.57	5.21	1.00	33.01	253.35	0.89	225.97	27.38	22.60	0.84	23.44	21.10	203.37	224.47	3,313,171
Pebruari	I	14	154	47.00	929.58	1.61	3.28	1.00	28.20	125.88	0.92	115.86	10.02	11.59	2.34	13.93	12.54	104.28	116.82	1,724,192
	II	14	40	47.00	939.60	1.63	0.85	0.97	27.42	12.58	0.93	11.71	0.87	1.17	1.39	2.56	2.31	10.54	12.84	189,557
Maret	I	15	52	53.46	940.47	1.63	0.97	0.99	31.87	19.77	0.93	18.42	1.35	1.84	0.26	2.10	1.89	16.58	18.46	272,520
	II	16	40	57.02	941.81	1.63	0.70	0.95	32.34	7.66	0.93	7.14	0.51	0.71	0.21	0.92	0.83	6.43	7.26	107,172
April	I	15	1	53.87	942.33	1.64	0.01	0.82	26.49	-25.89	0.00	0.00	-25.89	0.00	0.09	0.09	0.08	0.00	0.08	1,228
	II	15	97	53.87	916.43	1.59	1.79	1.00	32.32	64.28	0.91	58.28	5.99	5.83	0.01	5.84	5.25	52.46	57.71	851,793
Mei	I	15	48	55.57	922.43	1.60	0.86	0.97	32.44	15.57	0.91	14.21	1.35	1.42	0.58	2.00	1.80	12.79	14.59	215,417
	II	16	34	59.28	923.78	1.60	0.57	0.91	32.51	1.09	0.91	1.00	0.09	0.10	0.20	0.30	0.27	0.90	1.17	17,278
Juni	I	15	101	54.38	923.87	1.60	1.86	1.00	32.63	68.37	0.91	62.53	5.85	6.25	0.03	6.28	5.65	56.27	61.93	914,071
	II	15	0	54.38	929.72	1.61	0.00	0.81	26.32	-26.32	0.00	0.00	-26.32	0.00	0.63	0.63	0.57	0.00	0.57	8,346
Juli	I	15	0	55.12	903.40	1.57	0.00	0.78	25.92	-25.92	0.00	0.00	-25.92	0.00	0.06	0.06	0.06	0.00	0.06	835
	II	16	0	58.80	877.48	1.52	0.00	0.76	26.86	-26.86	0.00	0.00	-26.86	0.00	0.01	0.01	0.01	0.00	0.01	83
Agustus	I	15	0	61.88	850.62	1.48	0.00	0.74	27.40	-27.40	0.00	0.00	-27.40	0.00	0.00	0.00	0.00	0.00	0.00	8
	II	16	0	66.01	823.22	1.43	0.00	0.71	28.29	-28.29	0.00	0.00	-28.29	0.00	0.00	0.00	0.00	0.00	0.00	1
September	I	15	0	66.33	794.93	1.38	0.00	0.69	27.45	-27.45	0.00	0.00	-27.45	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	15	0	66.33	767.48	1.33	0.00	0.67	26.50	-26.50	0.00	0.00	-26.50	0.00	0.00	0.00	0.00	0.00	0.00	0
Oktober	I	15	14	64.92	740.98	1.29	0.22	0.72	28.13	-13.73	0.00	0.00	-13.73	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	16	5	69.24	727.25	1.26	0.07	0.66	27.28	-22.48	0.00	0.00	-22.48	0.00	0.00	0.00	0.00	0.00	0.00	0
Nopember	I	15	5	58.74	704.78	1.22	0.08	0.64	22.67	-17.87	0.00	0.00	-17.87	0.00	0.00	0.00	0.00	0.00	0.00	0
	II	15	0	58.74	686.91	1.19	0.00	0.60	21.00	-21.00	0.00	0.00	-21.00	0.00	0.00	0.00	0.00	0.00	0.00	0
Desember	I	15	214	51.95	665.90	1.16	4.12	1.00	31.17	182.60	0.65	117.93	64.67	11.79	0.00	11.79	10.61	106.13	116.75	1,723,182
	II	16	143	55.41	730.57	1.27	2.57	1.00	33.24	109.36	0.71	77.99	31.37	7.80	1.18	8.98	8.08	70.19	78.27	1,155,306
RATA-2			80.33	57.33	849.10	1.47	1.06	0.85	28.85	27.16	0.44	32.61	-5.44	3.26	0.38	3.64	3.28	29.35	32.62	481,542.50
JUMLAH			1,344.38	1,375.91	20,378.34	35.36	25.33	20.40	692.42	651.96	10.50	782.63	(130.67)	78.26	9.10	87.36	78.63	704.37	783.00	11,557,019.97