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LAMPIRAN

Lampiran 1. Tabel Faktor Koreksi F untuk Kedudukan Matahari atau Letak Lintang pada Setiap Bulannya dengan Metode Thornthwaite Mather.

LS	Bulan											
	1	2	3	4	5	6	7	8	9	10	11	12
0	1,04	0,94	1,04	1,01	1,04	1,01	1,04	1,04	1,01	1,04	1,01	1,04
1	1,04	0,94	1,04	1,01	1,04	1,01	1,04	1,04	1,01	1,04	1,01	1,04
2	1,05	0,94	1,04	1,01	1,04	1,01	1,04	1,04	1,01	1,04	1,02	1,05
3	1,05	0,95	1,04	1,01	1,03	1,00	1,03	1,04	1,01	1,05	1,02	1,05
4	1,06	0,95	1,04	1,00	1,03	1,00	1,03	1,03	1,00	1,05	1,03	1,06
5	1,06	0,95	1,04	1,00	1,02	0,99	1,02	1,03	1,00	1,05	1,03	1,06
6	1,06	0,95	1,04	1,00	1,02	0,99	1,02	1,03	1,00	1,05	1,03	1,06
7	1,07	0,96	1,04	1,00	1,02	0,98	1,02	1,03	1,00	1,05	1,04	1,07
8	1,07	0,96	1,05	1,00	1,02	0,98	1,01	1,02	1,00	1,06	1,04	1,08
9	1,08	0,97	1,05	0,99	1,01	0,97	1,01	1,02	1,00	1,06	1,05	1,09
10	1,08	0,97	1,05	0,99	1,01	0,96	1,00	1,01	1,00	1,06	1,05	1,10

Sumber: Thornthwaite dan Mather 1955

Lampiran 2. Tabel Pendugaan Water Honding Capacity (WHC) berdasarkan Kombinasi Tekstur, Tanah dan Vegetasi Penutupan Lahan

Tekstur	Air tersedia (mm/m)	Kedalaman Perakaran (m)	Kemampuan tanah menahan air (mm)
Tanaman Perakaran dangkal (bayam, kacang, wortel			
Pasir halus	100	0.50	50
Lempung berpasir halus	150	0.50	75
Lempung berdebu	200	0.62	125
Lempung Beliat	250	0.40	100
Liat	300	0.25	75
Tanaman Perakaran Sedang (jagung, tembakau, dll)			
Pasir halus	100	0.75	75
Lempung berpasir halus	150	1.00	150
Lempung berdebu	200	1.00	200
Lempung berliat	250	0.80	200
Lempung	300	0.50	150
Tanaman Perakaran Dalam (legume, padang rumput, semak belukar)			
Pasir halus	100	1.00	100
Lempung berpasir halus	150	1.00	150
Lempung berdebu	200	1.25	250
Lempung berliat	250	1.00	250
Lempung	300	0.67	200
Tanaman Perkebunan			
Pasir halus	100	1.00	150
Lempung berpasir halus	150	1.00	250
Lempung berdebu	200	1.25	300
Lempung berliat	250	1.00	250
Lempung	300	0.67	200
Hutan			
Pasir halus	100	2.50	250
Lempung berpasir halus	150	2.00	300
Lempung berdebu	200	2.00	400
Lempung berliat	250	1.60	400
Lempung	300	1.17	350

Sumber: Thornthwaite dan Mather 1955

Lampiran 3. Tabel Rara-rata Curah Hujan Tahun 2011-2020

Bulan	Curah Hujan (mm)									
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Jan	561.6	405.9	609.3	653.3	563.6	323.1	420.1	378.3	633.3	464.7
Feb	428.3	514.0	406.8	321.4	483.5	436.4	412.2	442.9	438.5	409.7
Mart	309.1	425.6	228.6	341.8	321.1	333.8	418.4	300.2	336.5	312.6
Apr	258.4	173.0	275.2	284.7	201.3	267.6	130.3	157.7	278.7	131.2
Mei	169.4	303.4	236.6	233.9	124.6	143.3	462.3	161.4	71.4	369.7
Juni	27.1	82.3	267.7	145.4	191.5	273.1	349.3	148.1	116.2	119.2
Juli	22.4	67.5	103.7	79.3	40.6	85.4	104.7	50.7	18.7	100.8
Agst	8.6	12.9	13.4	12.8	9.1	29.4	54.1	12.4	10.2	21.8
Sept	26.6	27.7	27.0	12.8	13.8	146.2	59.1	17.2	16.9	107.9
Okt	286.7	65.3	58.8	29.6	19.2	331.9	124.4	37.1	50.0	128.1
Nov	308.5	168.0	348.8	166.3	110.7	267.2	418.0	255.5	66.8	189.1
Des	535.6	447.9	607.6	516.9	396.8	362.0	435.5	498.9	260.2	503.4

Sumber: Climate Hazards Group InfraRed Precipitation with Station data (*CHIRPS* 2010-2020)

Lampiran 4. Tabel Rata-rata Temperatur 2011-2020

Bulan	Suhu Rata-Rata (°C)									
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Jan	25.135	25.405	25.535	25.16	25.33	27.275	25.605	25.49	25.98	26.8
Feb	25.32	25.81	25.99	25.34	25.455	26.545	25.85	25.715	26.35	26.535
Mart	25.33	25.705	26.365	26.21	26.09	27.15	26.14	25.975	26.13	26.81
Apr	25.625	26.45	26.71	26.575	26.495	26.99	26.845	26.595	26.61	26.975
Mei	26.135	25.925	26.55	26.56	26.115	27.205	26.48	26.335	26.515	26.815
Juni	25.17	25.545	26.13	26.015	25.645	26.335	25.575	25.715	25.67	25.865
Juli	25.39	24.965	25.15	25.525	25.615	26.085	25.38	25.51	25.18	25.515
Agst	25.86	25.515	25.285	25.58	25.72	26.65	25.55	26.13	25.715	25.965
Sept	26.95	26.765	26.64	26.335	26.52	27.4	26.67	26.81	26.47	26.735
Okt	27.95	28.12	27.925	27.82	27.615	26.97	27.585	28.37	27.96	27.48
Nov	27.77	28.125	27.265	28.395	28.56	27.16	26.915	27.755	28.91	27.295
Des	26.065	26.71	25.945	26.39	26.95	26.115	26.065	26.57	28.1	25.7

Sumber: Climate Hazards Group InfraRed Precipitation with Station data (*CHIRPS* 2010-2020)

Lampiran 5. Hasil Pendugaan Nilai Water Holding Capacity (WHC=ST Pada Bulan Basah) 2011-2020

PENGGUNAAN LAHAN	LUAS (Ha)	TEKSTUR	LUAS AREA	AIR TERSEDIA (mm/m)	ZONA PERAKARAN (m)	WHC (mm)
Hutan	1652.51	Lempung Berliat	9%	85.21587544	0.40	3.01
Sawah	649.88	liat	3%	48.69112527	0.20	0.34
Sawah	649.88	Lempung Berliat	3%	66.6732569	0.20	0.46
Pertanian Lahan Kering	3733.92	Lempung Berliat	20%	42.82113631	0.15	1.28
Pertanian Lahan Kering	3733.92	Lempung	20%	108.4166667	0.14	3.03
Hutan	8291.60	Lempung Berpasir	44%	82.35536306	0.38	13.87
Jumlah	18711.70		100%	434.1734236	1.47	**21.99**

Lampiran *6*. Hasil Pendugaan Nilai ST Bulan Kering (P<ETp)

Bulan	P	ETp	WHC=Sto (mm)	e	P-ETp	APWL	APWL/Sto	ST
Januari	444	147.57	21.99	2.718	296	0	0.0	22.0
Februari	428	134.70	21.99	2.718	293	0	0.0	22.0
Maret	340	154.31	21.99	2.718	186	0	0.0	22.0
April	193	157.44	21.99	2.718	36	0	0.0	22.0
Mei	242	157.66	21.99	2.718	84	0	0.0	22.0
Juni	201	137.72	21.99	2.718	63	0	0.0	22.0
Juli	72	134.75	21.99	2.718	-63	-63	-2.9	1.3
Agustus	26	143.96	21.99	2.718	-118	-181	-8.2	0.0
September	69	160.80	21.99	2.718	-91	-273	-12.4	0.0
Oktober	134	196.57	21.99	2.718	-62	-335	-15.2	0.0
November	239	193.80	21.99	2.718	46	0	0.0	22.0
Desember	412	163.78	21.99	2.718	248	0	0.0	22.0
Jumlah	2801	1883	264	33	918	-852	-39	177

Lampiran Gambar

a)

b.)

Lampiran 7. (a) Profil Tanah 1 (b) Hutan Kering Sekunder

a)

b).

Lampiran 8. (a).Profil tanah 2 (b) Penggunaan Lahan Sawah

a)

b).

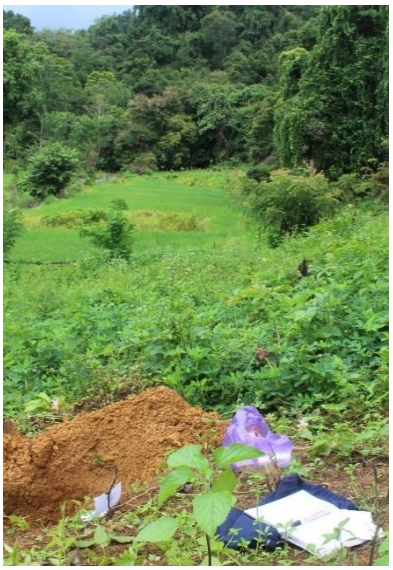
Lampiran 9. (a).Profil tanah 3 (b) Penggunaan Lahan Sawah

a)

b).

Lampiran 10. (a). Profil tanah 4 (b) Pertanian lahan kering

a) 

b). 

Lampiran 11. (a). Profil tanah (b) Pertanian Lahan Kering

a) 

b). 

Lampiran 12. (a).Profil tanah 6 (b) Hutan Lahan Kering Sekunder

Lampiran13. Penentuan retensi air tanah mengunakan alat *Soilmoisture Equipment Corp*