

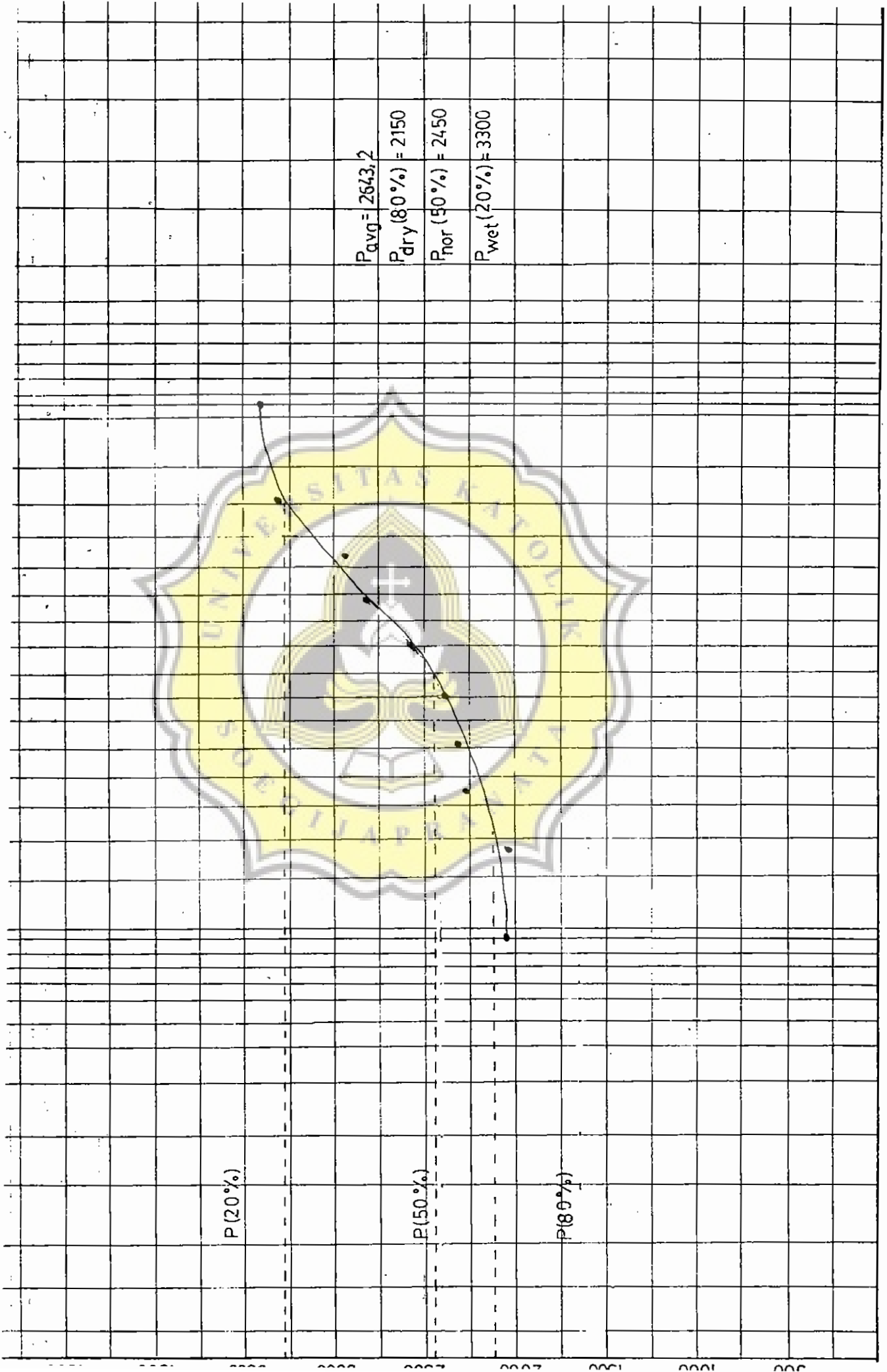
LAMPIRAN



Crop Coefficients (kc)

CROP	Crop Development stages					Total growing period
	Initial	Crop development	Mid-season	Late season	At harvest	
Banana tropical subtropical	0.4 -0.5 0.5 -0.65	0.7 -0.85 0.8 -0.9	1.0 -1.1 1.0 -1.2	0.9 -1.0 1.0 -1.15	0.75-0.85 1.0 -1.15	0.7 -0.8 0.85-0.95
Bean green dry	0.3 -0.4 0.3 -0.4	0.65-0.75 0.7 -0.8	0.95-1.05 1.05-1.2	0.9 -0.95 0.65-0.75	0.85-0.95 0.25-0.3	0.85-0.9 0.7 -0.8
Cabbage	0.4 -0.5	0.7 -0.8	0.95-1.1	0.9 -1.0	0.8 -0.95	0.7 -0.8
Cotton	0.4 -0.5	0.7 -0.8	1.05-1.25	0.8 -0.9	0.65-0.7	0.8 -0.9
Grape	0.35-0.55	0.6 -0.8	0.7 -0.9	0.6 -0.8	0.55-0.7	0.55-0.75
Groundnut	0.4 -0.5	0.7 -0.8	0.95-1.1	0.75-0.85	0.55-0.6	0.75-0.8
Maize sweet grain	0.3 -0.5 0.3 -0.5*	0.7 -0.9 0.7 -0.85*	1.05-1.2 1.05-1.2*	1.0 -1.15 0.8 -0.95	0.95-1.1 0.55-0.6*	0.8 -0.95 0.75-0.9*
Onion dry green	0.4 -0.6 0.4 -0.6	0.7 -0.8 0.6 -0.75	0.95-1.1 0.95-1.05	0.85-0.9 0.95-1.05	0.75-0.85 0.95-1.05	0.8 -0.9 0.65-0.8
Pea, fresh	0.4 -0.5	0.7 -0.85	1.05-1.2	1.0 -1.15	0.95-1.1	0.8 -0.95
Pepper, fresh	0.3 -0.4	0.6 -0.75	0.95-1.1	0.85-1.0	0.8 -0.9	0.7 -0.8
Potato	0.4 -0.5	0.7 -0.8	1.05-1.2	0.85-0.95	0.7 -0.75	0.75-0.9
Rice	1.1 -1.15	1.1 -1.5	1.1 -1.3	0.95-1.05	0.95-1.05	1.05-1.2
Safflower	0.3 -0.4	0.7 -0.8	1.05-1.2	0.65-0.7	0.2 -0.25	0.65-0.7
Sorghum	0.3 -0.4	0.7 -0.75	1.0 -1.15	0.75-0.8	0.5 -0.55	0.75-0.85
Soybean	0.3 -0.4	0.7 -0.8	1.0 -1.15	0.7 -0.8	0.4 -0.5	0.75-0.9
Sugarbeet	0.4 -0.5	0.75-0.85	1.05-1.2	0.9 -1.0	0.6 -0.7	0.8 -0.9
Sugarcane	0.4 -0.5	0.7 -1.0	1.0 -1.3	0.75-0.8	0.5 -0.6	0.85-1.05
Sunflower	0.3 -0.4	0.7 -0.8	1.05-1.2	0.7 -0.8	0.35-0.45	0.75-0.85
Tobacco	0.3 -0.4	0.7 -0.8	1.0 -1.2	0.9 -1.0	0.75-0.85	0.85-0.95
Tomato	0.4 -0.5	0.7 -0.8	1.05-1.25	0.8 -0.95	0.6 -0.65	0.75-0.9
Water melon	0.4 -0.5	0.7 -0.8	0.95-1.05	0.8 -0.9	0.65-0.75	0.75-0.85
Wheat	0.3 -0.4	0.7 -0.8	1.05-1.2	0.65-0.75	0.2 -0.25	0.8 -0.9
Alfalfa	0.3 -0.4				1.05-1.2	0.85-1.05
Citrus clean weeding no weed control						0.65-0.75 0.85-0.9
Olive						0.4 -0.6

First figure : Under high humidity (RHmin >70%) and low wind (U <5 m/sec).
 Second figure: Under low humidity (RHmin <20%) and strong wind (>5 m/sec).



1 0.5 0.2 0.1 0.05

P(20%)

P(50%)

P(80%)

$P_{avg} = 2643,2$

$P_{dry} (80\%) = 2150$

$P_{nor} (50\%) = 2450$

$P_{wet} (20\%) = 3300$

Data temperatur harian rata-rata tahun 1990 sampai dengan 1999.

Stasiun Meteorologi Getas, Salatiga, koordinat 07° 16' LS dan 110° 26' BT.

Tahun	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Rata2x
1990	23,8	24,5	24,8	26,1	25,5	25,5	25,5	26,2	26,3	26,8	26,7	24,2	25,5
1991	22,6	24,1	25,1	25,0	25,8	25,7	25,5	26,0	26,5	27,1	25,6	25,1	25,3
1992	24,3	24,0	25,2	25,2	26,1	25,8	25,4	25,3	26,0	26,0	25,1	24,2	25,2
1993	24,1	24,2	25,0	25,0	26,5	25,8	25,4	25,8	25,7	26,5	26,3	25,0	25,4
1994	23,8	24,3	24,0	25,5	25,3	25,6	24,7	25,0	25,7	26,6	26,3	24,7	25,1
1995	23,9	24,4	24,2	25,1	25,7	25,2	24,7	24,7	25,9	26,0	24,6	24,2	24,9
1996	23,7	23,8	24,8	25,3	25,7	25,6	25,3	24,9	25,9	26,1	25,3	24,5	25,1
1997	23,7	24,5	25,0	25,2	25,6	25,7	24,9	24,9	25,8	27,1	27,1	25,1	25,4
1998	25,5	25,3	25,7	26,4	26,6	26,0	25,4	26,2	26,5	26,3	24,7	24,2	25,7
1999	24,0	24,1	24,6	24,9	25,3	25,6	24,6	25,2	26,4	26,4	24,9	25,1	25,1
Rata2x	23,9	24,3	24,8	25,4	25,8	25,7	25,1	25,4	26,1	26,5	25,7	24,6	25,3

Sumber : Badan Klimatologi Jawa Tengah

Data kelembaban udara relatif harian rata-rata tahun 1990 sampai dengan 1999.

Stasiun Meteorologi Getas, Salatiga, koordinat 07° 16' LS dan 110° 26' BT.

Tahun	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Rata2x
1990	96	92	91	89	88	84	84	84	82	79	82	93	87
1991	98	94	89	90	84	83	81	81	78	79	89	95	87
1992	85	93	90	91	87	85	83	86	84	86	91	93	88
1993	94	92	90	90	87	87	82	84	81	81	86	92	87
1994	96	95	94	89	81	81	80	79	78	80	86	91	86
1995	95	92	92	88	85	88	83	78	78	84	90	91	87
1996	92	93	89	87	83	84	81	81	80	82	87	89	86
1997	90	88	86	86	85	81	78	79	75	74	79	89	83
1998	89	91	87	89	87	88	88	78	78	84	89	90	87
1999	93	89	90	89	86	81	80	79	75	82	87	85	85
Rata2x	93	92	90	89	85	84	82	81	79	81	87	91	86

Sumber : Badan Klimatologi Jawa Tengah

Data kecepatan angin harian rata-rata tahun 1990 sampai dengan 1999.

Stasiun Meteorologi Getas, Salatiga, koordinat 07° 16' LS dan 110° 26' BT.

Tahun	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Rata2x
1990	91,2	67,2	103,2	43,2	38,4	120,0	132,0	134,4	139,2	213,6	182,4	117,6	115,2
1991	2,4	7,2	4,8	4,8	4,8	7,2	7,2	9,6	9,6	12,0	4,8	72,0	12,2
1992	7,2	7,2	76,8	60,0	55,2	67,2	86,4	7,2	12,0	7,2	4,8	69,6	38,4
1993	194,4	40,8	319,2	288,0	213,6	240,0	350,4	744,0	50,4	50,4	45,6	69,6	217,2
1994	4,8	4,8	2,4	2,4	4,8	14,4	16,8	19,2	16,8	19,2	7,2	7,2	10,0
1995	136,8	172,8	91,2	67,2	62,4	43,2	64,8	206,4	192,0	124,8	60,0	115,2	111,4
1996	57,6	40,8	76,8	62,4	50,4	64,8	86,4	146,4	50,4	50,4	45,6	72,0	67,0
1997	57,6	40,8	76,8	62,4	50,4	64,8	86,4	146,4	50,4	50,4	45,6	72,0	67,0
1998	12,0	9,6	12,0	16,8	14,4	14,4	14,4	21,6	16,8	12,0	45,6	40,8	19,2
1999	4,8	16,8	9,6	12,0	12,0	14,4	16,8	26,4	19,2	19,2	16,8	72,0	20,0
Rata2x	56,9	40,8	77,3	61,9	50,6	65,0	86,2	146,2	55,7	55,9	45,8	70,8	67,8

Sumber : Badan Klimatologi Jawa Tengah

Data intensitas lama penyinaran rata-rata tahun 1990 sampai dengan 1999.

Stasiun Meteorologi Getas, Salatiga, koordinat 07° 16' LS dan 110° 26' BT.

Tahun	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Rata2x
1990	20,0	57,0	37,0	70,0	63,0	77,0	84,0	84,0	79,0	93,0	83,0	30,0	64,8
1991	24,0	33,0	49,0	60,0	78,0	81,0	76,0	87,0	87,0	85,0	43,0	43,0	62,2
1992	34,0	35,0	52,0	39,0	44,0	56,0	64,0	54,0	57,0	52,0	36,0	44,0	47,3
1993	38,0	55,0	62,0	66,0	83,0	73,0	84,0	82,0	94,0	97,0	66,0	50,0	70,8
1994	23,0	42,0	37,0	57,0	83,0	91,0	75,0	89,0	87,0	91,0	57,0	43,0	64,6
1995	34,0	43,0	42,0	67,0	78,0	64,0	82,0	87,0	79,0	76,0	48,0	39,0	61,6
1996	38,0	37,0	69,0	63,0	75,0	73,0	80,0	77,0	77,0	72,0	67,0	53,0	65,1
1997	29,0	38,0	73,0	51,0	82,0	90,0	85,0	87,0	96,0	93,0	82,0	57,0	71,9
1998	68,0	51,0	54,0	67,0	74,0	68,0	68,0	90,0	73,0	65,0	32,0	26,0	61,3
1999	32,0	35,0	48,0	57,0	78,0	84,0	80,0	89,0	95,0	75,0	52,0	43,0	64,0
Rata2x	34,0	42,6	52,3	59,7	73,8	75,7	77,8	82,6	82,4	79,9	56,6	42,8	63,4

Sumber : Badan Klimatologi Jawa Tengah

RENCANA JADWAL TANAH DAN KEBUTUHAN AIR UNTUK
 MUSIM TANAM RENDENGAN TH. 1998/1999 DAN
 MUSIM GADU TAHUN 1999.
 LAMPIRAN I : SURAT KEPUTUSAN BUPATI KEPALA
 DAERAH TINGKAT II SEMARANG
 NOMOR : 522.2/1290/1998
 TANGGAL : 19 - 9 - 1998

LUAS SAWAH : 2188 HA.
 DAERAH IRRIGASI: SENJOYO, KEC. SURUH.

URAIAN	BULAN																								
	OKT.	NOP		DES		JAN		PEB		MART		APR		MEI		JUNI		JULI		AGST		SEPT			
NOMOR	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	
1 ROTASI I : 1165 Ha DESIT YANG DIBUTUHKAN (L/dt)	-	758	1576	1213	910	970	728	242	-	78	1576	1213	910	970	728	242	182	364	364	364	364	364	364	364	364
2 ROTASI II : 1023 Ha DEBIT YANG DIBUTUHKAN (L/dt)	-	635	1270	1023	767	818	635	204	-	635	1270	1023	767	818	635	204	153	307	307	307	307	307	307	307	307
3 DEBIT SUNGAI (L/dt)	610	634	581	621	788	823	603	1865	1150	1299	1154	1305	1251	1189	1068	111	977	980	899	835	1217	1676	663	663	663
4 DEBIT SUPLESI (L/dt)	-	368	348	438	505	550	630	100	141	75	85	528	580	580	585	575	425	415	415	415	415	415	415	415	415
5 Hujan Efektif (L/dt)	2	3	9	11	14	8	20	16	19	17	12	10	9	5	3	4	2	1	1	1	1	1	1	1	1
6 DEBIT TERSEDIA (L/dt)	612	1065	938	1035	1210	1346	1581	2571	1269	1457	1340	1492	1778	1693	1693	1560	1467	1355	1291	1777	737	737	730	68	
7 DEBIT KEBUTUHAN (L/dt)	307	758	2455	2402	1932	1677	1757	1576	881	204	728	2455	1402	1332	1677	1237	476	881	386	517	671	671	671	671	671
8 Q (+ / -)	305	307	-127	-147	-722	-331	-48	315	388	1253	482	-723	427	-154	16	-38	-16	556	969	724	1106	80	59	1	
9 KEMAMPUAN	1	1	943	941	962	980	931	1	1	1	965	1	932	1	998	999	1	1	1	1	1	1	1	1	1

PENGERINGAN : 15 HARI.

LALAHAN / PEHIBITAN : 1 BULAN ; 1,25 L/dt/Ha.

PERTUMBUHAN : 1,50 BULAN ; 0,75 L/dt/Ha.

PEMBUNGAAN : 0,50 BULAN ; 0,95 L/dt/Ha.

PEMASAKAN : 0,50 BULAN ; 0,40 L/dt/Ha.

PANEN : 0,50 BULAN ; 0,00 L/dt/Ha.

PALAWIJA : 3 BULAN ; 0,30 L/dt/Ha.

BUPATI KEPALA DAERAH TINGKAT II SEMARANG



Dr. Soedjanto

SOE DI J A T N O