

## DAFTAR PUSTAKA

- Abidin. 1990. Dasar-Dasar Pengetahuan Tentang Zat Pengatur Tumbuh, Angkasa, Jakarta.
- Agustina, L., 2004. Dasar Nutrisi Tanaman, PT Rineka Cipta, Jakarta
- Anonimus. 1952. Bibliography of literature on the minor elements and their relation to plant and animal nutrition.
- Asahi Chemical MFG. Co ltd. 1980. Atonika a New Plant Stimulan, Japan.
- Baharsyah, J.S. 2007. Mengonveri Air dengan Limbah Pabrik Gula. Fakultas Pertanian IPB. *ww. Google. com*
- Brezeale, J.F. 1916. Effect of sodium salts in water culture on the absorption of plant food by wheat seedlings. J. Agric. Res.
- Buckman, H,O dan NC Brady. 1982. Ilmu Tanah. Terjemahan Soegiman. Brta Karya Aksara Jakarta
- Boyko, H. 1966. Salinity and aridity. Dr W. Junk Publ. The Haggue. 408p.
- Chapman, V.J. 1975. The Salinity Problem in General. In Plant in Saline Enviroments. Edisi A. Poljakoff – Mayber and J. Gale. Springer – Verlag.
- Daswir dan L, Panjaitan. 1981. Perkembangan Kelapa Sawit di Indonesia. Prosiding Konp. Budidaya Karet dan Kelapa Sawit. BPPM, p189-198
- Dwidjoseputro. 1984. Pengantar Fisiologi Tumbuhan. Gramedia. Jakarta.
- Gale, J. 1975. Water Balance and Gas Exchange of Plants Under Saline Condition, In Plants in Salin Enviroments. Ed. A. Poljakoff-Mayber and J. Gale. Springer-Verlag. Berlin.
- Gurino, B. dan S.M. Sitompul. 1996. Analisis Pertumbuhan Tanaman. Gadjah Mada University Press. Yogyakarta.
- Hakim, N; M. Y. Nyakpa ; A. M. Lubis; S. G. Nugraha; M.R. Saul ; M.A. Diha; Go Ban Hong dan H.H. Beiley. 1986. Dasar-Dasar Ilmu Tanah. Universitas Lampung, Lampung.
- Heddy, S. 1996. Hormon Pertumbuhan, Program Penulisan Proyek Pelita DEPDIBUD dan Pelaksanaan Pendidikan Diploma (DIII) Universitas Brawijaya. Rajawali Press. Jakarta.

(<http://www.depperin.go.id>, Selasa 28-12-2010).

(<http://pengawasbenihtanaman.blogspot.com/2010/04/dua-varietas-kelapa-sawit-sejuta-umat.html>, Sabtu 08-01-2011).

(<http://www.pdf-finder.com/Mengurangi-Pengaruh-Salinitas-pada-Tanaman-yang-Tumbuh.htmls>, Sabtu 08-01-2011).

Joiner, J.N. 1981. Foliage Plant Production, Prent Production. Prentice- Hall Englewood Cliffs, New Jerse.

Kusumo, S. 1990. Zat Pengatur Tumbuh Tanaman. Jasa Guna, Jakarta.

Lakitan, B. 1996. Fisiologi Pertumbuhan dan Perkembangan Tanaman. PT. Raja Grafindo Persada, Jakarta.

Lingga, P. 1994. Petunjuk Penggunaan Pupuk. Penebar Swadaya, Jakarta.

Lovelles. 1995. Genetika Tanaman. Gajah Mada University Press. Yogyakarta.

Marsono dan Sigit, P. 2001. Pupuk Akar Jenis dan Aplikasi. Penebar Swadaya. Jakarta.

Miller, E.C. 1960. Plant Physiology. McGraw Hill Book. New York.

Murbandono, L. 2003. Membuat Kompos. Penebar Swadaya, Jakarta.

Mustalin Mandiri. 1994. Brosur ZPT Atonik, Jakarta.

Premono, E dan E Widyawati. 2002. Kompos dan Pupuk Hayati Sebagai Pupuk Organik, Majalah Penelitian Gula. Jakarta.

Rosadi, 1970. Dasar-Dasar Ilmu Tanah 2, PT, Soeroengan, Jakarta

Rudolfs, W. 1919. Influence of sodium chloride upon the physiological changes of living trees. Soil Sci.

Strogonov, B. P. 1964. Physiology basic of salt tolerance of plants (Translated from Russian)

Team IPB. 1969. Laporan sementara survey ke daerah persawahan pasang surut Propinsi Riau, Jambi dan Sumatera Selatan. IPB, Bogor.

P. Utama	A. Petak	Ulangan		Total	Rataan
		I	II		
V1	S0	1.40	1.97	3.37	1.69
	S1	2.20	1.53	3.73	1.87
	S2	2.40	2.20	4.60	2.30
	S3	1.50	1.60	3.10	1.55
	S4	2.10	1.50	3.60	1.80
Total V1		9.60	8.80	18.40	
V2	S0	1.50	3.33	4.83	2.42
	S1	4.13	3.20	7.33	3.67
	S2	1.53	1.30	2.83	1.42
	S3	1.70	1.20	2.90	1.45
	S4	2.30	1.90	4.20	2.10
Total V2		11.16	10.93	22.09	
V3	S0	3.63	1.33	4.96	2.48
	S1	1.80	1.40	3.20	1.60
	S2	3.30	1.93	5.23	2.62
	S3	1.90	4.70	6.60	3.30
	S4	3.50	1.20	4.70	2.35
Total V3		14.13	10.56	24.69	
V4	S0	4.23	2.80	7.03	3.52
	S1	3.93	4.50	8.43	4.22
	S2	1.30	3.40	4.70	2.35
	S3	1.90	2.10	4.00	2.00
	S4	1.53	2.73	4.26	2.13
Total V4		12.89	15.53	28.42	
Total		47.78	45.82	93.60	2.34

Lampiran 2. Tabel Dwikasta Tinggi Bibit Kelapa Sawit Umur 2 MST

Perlakuan	V1	V2	V3	V4	Total
S0	3.37	4.83	4.96	7.03	20.19
S1	3.73	7.33	3.20	8.43	22.69
S2	4.60	2.83	5.23	4.70	17.36
S3	3.10	2.90	6.60	4.00	16.60
S4	3.60	4.20	4.70	4.26	16.76
Total	18.40	22.09	24.69	28.42	93.60

Lampiran 3. Daftar Sidik Ragam Tinggi Bibit Kelapa Sawit Umur 2 MST

SK	DB	JK	KT	F-hitung	F-0.05	F-0.01
Ulangan	1	0.0960	0.0960	0.15 tn	10.13	34.12
P. Utama (V)	3	5.3581	1.7860	2.76 tn	9.26	29.46
Sisa (a)	3	1.9447	0.6482	-	-	-
A. Petak (S)	4	3.5134	0.8784	0.92 tn	3.01	4.77
Interaksi (V x S)	12	14.4467	1.2039	1.26 tn	2.42	3.55
Sisa (b)	16	15.2479	0.9530	-	-	-
Total	39	40.6068	-	-	-	-

Keterangan :

- KK (a) = 34.41%
- KK (b) = 41.72%
- \*\* = sangat nyata
- \* = nyata
- tn = tidak nyata

Lampiran 1. Tinggi Bibit Kelapa Sawit Umur 2 MST

P. Utama	A. Petak	Ulangan		Total	Rataan
		I	II		
V1	S0	1.40	1.97	3.37	1.69
	S1	2.20	1.53	3.73	1.87
	S2	2.46	2.20	4.60	2.30
	S3	1.50	1.60	3.10	1.55
	S4	2.10	1.50	3.60	1.80
Total V1		9.60	8.80	18.40	
V2	S0	1.50	3.33	4.83	2.42
	S1	4.13	3.20	7.33	3.67
	S2	1.53	1.30	2.83	1.42
	S3	1.70	1.20	2.90	1.45
	S4	2.30	1.90	4.20	2.10
Total V2		11.16	10.93	22.09	
V3	S0	3.63	1.33	4.96	2.48
	S1	1.80	1.40	3.20	1.60
	S2	3.30	1.93	5.23	2.62
	S3	1.90	4.70	6.60	3.30
	S4	3.50	1.20	4.70	2.35
Total V3		14.13	10.56	24.69	
V4	S0	4.23	2.80	7.03	3.52
	S1	3.93	4.50	8.43	4.22
	S2	1.30	3.40	4.70	2.35
	S3	1.90	2.10	4.00	2.00
	S4	1.53	2.73	4.26	2.13
Total V4		12.89	15.53	28.42	
Total		47.78	45.82	93.60	2.34

Lampiran 2. Tabel Dwikasta Tinggi Bibit Kelapa Sawit Umur 2 MST

Perlakuan	V1	V2	V3	V4	Total
S0	3.37	4.83	4.96	7.03	20.19
S1	3.73	7.33	3.20	8.43	22.69
S2	4.60	2.83	5.23	4.70	17.36
S3	3.10	2.90	6.60	4.00	16.60
S4	3.60	4.20	4.70	4.26	16.76
Total	18.40	22.09	24.69	28.42	93.60

Lampiran 3. Daftar Sidik Ragam Tinggi Bibit Kelapa Sawit Umur 2 MST

SK	DB	JK	KT	F-hitung	F-0.05	F-0.01
Ulangan	1	0.0960	0.0960	0.15 tn	10.13	34.12
P. Utama (V)	3	5.3581	1.7860	2.76 tn	9.26	29.46
Sisa (a)	3	1.9447	0.6482	-	-	-
A. Petak (S)	4	3.5134	0.8784	0.92 tn	3.01	4.77
Interaksi (V x S)	12	14.4467	1.2039	1.26 tn	2.42	3.55
Sisa (b)	16	15.2479	0.9530	-	-	-
<b>Total</b>	<b>39</b>	<b>40.6068</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

Keterangan :

- KK (a) = 34.41%
- KK (b) = 41.72%
- \*\* = sangat nyata
- \* = nyata
- tn = tidak nyata

P. Utama	A. Petak	Ulangan		Total	Rataan
		I	II		
V1	S0	1.85	2.50	4.35	2.18
	S1	2.83	2.20	5.03	2.52
	S2	2.63	2.47	5.10	2.55
	S3	1.73	1.88	3.61	1.81
	S4	2.30	1.82	4.12	2.06
Total V1		11.34	10.87	22.21	
V2	S0	1.91	3.73	5.64	2.82
	S1	4.51	3.82	8.33	4.17
	S2	1.85	1.48	3.33	1.67
	S3	1.84	1.45	3.29	1.65
	S4	2.48	2.14	4.62	2.31
Total V2		12.59	12.62	25.21	
V3	S0	4.13	1.98	6.11	3.06
	S1	2.48	1.99	4.47	2.24
	S2	4.03	2.26	6.29	3.15
	S3	2.06	5.50	7.56	3.78
	S4	3.70	1.44	5.14	2.57
Total V3		16.40	13.17	29.57	
V4	S0	4.90	3.40	8.30	4.15
	S1	4.16	5.24	9.40	4.70
	S2	1.99	3.66	5.65	2.83
	S3	2.09	2.67	4.76	2.38
	S4	1.70	3.01	4.71	2.36
Total V4		14.84	17.98	32.82	
Total		55.17	54.64	109.81	2.75

Lampiran 5. Tabel Dwikasta Tinggi Bibit Kelapa Sawit Umur 3 MST

Perlakuan	V1	V2	V3	V4	Total
S0	4.35	5.64	6.11	8.30	24.40
S1	5.03	8.33	4.47	9.40	27.23
S2	5.10	3.33	6.29	5.65	20.37
S3	3.61	3.29	7.56	4.76	19.22
S4	4.12	4.62	5.14	4.71	18.59
Total	22.21	25.21	29.57	32.82	109.81

Lampiran 6. Daftar Sidik Ragam Tinggi Bibit Kelapa Sawit Umur 3 MST

SK	DB	JK	KT	F-hitung	F-0.05	F-0.01
Ulangan	1	0.0070	0.0070	0.01 tn	10.13	34.12
P. Utama (V)	3	6.5806	2.1935	3.22 tn	9.26	29.46
Sisa (a)	3	2.0444	0.6815	-	-	-
A. Petak (S)	4	6.8899	1.7225	1.60 tn	3.01	4.77
Interaksi (V x S)	12	14.6537	1.2211	1.14 tn	2.42	3.55
Sisa (b)	16	17.1913	1.0745	-	-	-
Total	39	47.3670	-	-	-	-

Keterangan :

KK (a) = 30.07%

KK (b) = 37.76%

\*\* = sangat nyata

\* = nyata

tn = tidak nyata

Lampiran 7. Tinggi Bibit Kelapa Sawit Umur 4 MST

P. Utama	A. Petak	Ulangan		Total	Rataan
		I	II		
V1	S0	2.61	3.37	5.98	2.99
	S1	3.87	3.32	7.19	3.60
	S2	3.01	2.92	5.93	2.97
	S3	2.11	2.34	4.45	2.23
	S4	2.62	2.36	4.98	2.49
Total V1		14.22	14.31	28.53	
V2	S0	2.59	4.40	6.99	3.50
	S1	5.14	4.85	9.99	5.00
	S2	2.38	1.78	4.16	2.08
	S3	2.08	1.88	3.96	1.98
	S4	2.79	2.55	5.34	2.67
Total V2		14.98	15.46	30.44	
V3	S0	4.96	3.05	8.01	4.01
	S1	3.61	2.96	6.57	3.29
	S2	5.26	2.80	8.06	4.03
	S3	2.32	6.82	9.14	4.57
	S4	4.04	1.83	5.87	2.94
Total V3		20.19	17.46	37.65	
V4	S0	6.02	4.39	10.41	5.21
	S1	4.55	6.46	11.01	5.51
	S2	3.13	4.08	7.21	3.61
	S3	2.40	3.62	6.02	3.01
	S4	1.97	3.47	5.44	2.72
Total V4		18.07	22.02	40.09	
Total		67.46	69.25	136.71	3.42

Lampiran 8. Tabel Dwikasta Tinggi Bibit Kelapa Sawit Umur 4 MST

Perlakuan	V1	V2	V3	V4	Total
S0	5.98	6.99	8.01	10.41	31.39
S1	7.19	9.99	6.57	11.01	34.76
S2	5.93	4.16	8.06	7.21	25.36
S3	4.45	3.96	9.14	6.02	23.57
S4	4.98	5.34	5.87	5.44	21.63
Total	28.53	30.44	37.65	40.09	136.71

Lampiran 9. Daftar Sidik Ragam Tinggi Bibit Kelapa Sawit Umur 4 MST

SK	DB	JK	KT	F-hitung	F-0.05	F-0.01
Ulangan	1	0.0801	0.0801	0.11 tn	10.13	34.12
P. Utama (V)	3	9.2879	3.0960	4.13 tn	9.26	29.46
Sisa (a)	3	2.2493	0.7498	-	-	-
A. Petak (S)	4	15.2745	3.8186	2.64 tn	3.01	4.77
Interaksi (V x S)	12	15.7363	1.3114	0.90 tn	2.42	3.55
Sisa (b)	16	23.1850	1.4491	-	-	-
<b>Total</b>	<b>39</b>	<b>65.8131</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

Keterangan :

- KK (a) = 25.34%
- KK (b) = 35.22%
- \*\* = sangat nyata
- \* = nyata
- tn = tidak nyata

Lampiran 10. Tinggi Bibit Kelapa Sawit Umur 5 MST

P. Utama	A. Petak	Ulangan		Total	Rataan
		I	II		
V1	S0	3.67	4.60	8.27	4.14
	S1	5.34	4.88	10.22	5.11
	S2	3.54	3.54	7.08	3.54
	S3	2.65	2.99	5.64	2.82
	S4	3.08	3.12	6.20	3.10
Total V1		18.28	19.13	37.41	
V2	S0	3.54	5.34	8.88	4.44
	S1	6.02	6.29	12.31	6.16
	S2	3.13	2.20	5.33	2.67
	S3	2.42	2.47	4.89	2.45
	S4	3.22	3.12	6.34	3.17
Total V2		18.33	19.42	37.75	
V3	S0	6.13	4.56	10.69	5.35
	S1	5.20	4.33	9.53	4.77
	S2	6.97	3.56	10.53	5.27
	S3	2.70	8.68	11.38	5.69
	S4	4.51	2.39	6.90	3.45
Total V3		25.51	23.52	49.03	
V4	S0	7.59	5.78	13.37	6.69
	S1	5.09	8.18	13.27	6.64
	S2	4.74	4.68	9.42	4.71
	S3	2.84	4.95	7.79	3.90
	S4	2.36	4.12	6.48	3.24
Total V4		22.62	27.71	50.33	
Total		84.74	89.78	174.52	4.36

Lampiran 11. Tabel Dwikasta Tinggi Bibit Kelapa Sawit Umur 5 MST

Periakuan	V1	V2	V3	V4	Total
S0	8.27	8.88	10.69	13.37	41.21
S1	10.22	12.31	9.53	13.27	45.33
S2	7.08	5.33	10.53	9.42	32.36
S3	5.64	4.89	11.38	7.79	29.70
S4	6.20	6.34	6.90	6.48	25.92
Total	37.41	37.75	49.03	50.33	174.52

Lampiran 12. Daftar Sidik Ragam Tinggi Bibit Kelapa Sawit Umur 5 MST

SK	DB	JK	KT	F-hitung	F-0.05	F-0.01
Ulangan	1	0.6350	0.6350	0.75 tn	10.13	34.12
P. Utama (V)	3	14.7313	4.9104	5.79 tn	9.26	29.46
Sisa (a)	3	2.5428	0.8476	-	-	-
A. Petak (S)	4	32.8416	8.2104	3.53 *	3.01	4.77
Interaksi (V x S)	12	18.7350	1.5613	0.67 tn	2.42	3.55
Sisa (b)	16	37.2552	2.3285	-	-	-
Total	39	106.7410	-	-	-	-

Keterangan :

KK (a) = 21.10%

KK (b) = 34.97%

\*\* = sangat nyata

\* = nyata

tn = tidak nyata

Lampiran 13. Tinggi Bibit Kelapa Sawit Umur 6 MST

P. Utama	A. Petak	Ulangan		Total	Rataan
		I	II		
V1	S0	4.43	5.47	9.90	4.95
	S1	6.38	6.00	12.38	6.19
	S2	3.92	3.99	7.91	3.96
	S3	3.03	3.45	6.48	3.24
	S4	3.40	3.66	7.06	3.53
Total V1		21.16	22.57	43.73	
V2	S0	4.22	6.01	10.23	5.12
	S1	6.65	7.32	13.97	6.99
	S2	3.66	2.50	6.16	3.08
	S3	2.66	2.89	5.55	2.78
	S4	3.53	3.52	7.05	3.53
Total V2		20.72	22.24	42.96	
V3	S0	6.96	5.64	12.60	6.30
	S1	6.33	5.30	11.63	5.82
	S2	8.19	4.10	12.29	6.15
	S3	2.96	10.00	12.96	6.48
	S4	4.85	2.78	7.63	3.82
Total V3		29.29	27.82	57.11	
V4	S0	8.71	6.77	15.48	7.74
	S1	5.47	9.40	14.87	7.44
	S2	5.88	5.10	10.98	5.49
	S3	3.15	5.90	9.05	4.53
	S4	2.64	4.58	7.22	3.61
Total V4		25.85	31.75	57.60	
Total		97.02	104.38	201.40	5.04

Lampiran 14. Tabel Dwikasta Tinggi Bibit Kelapa Sawit Umur 6 MST

Perlakuan	V1	V2	V3	V4	Total
S0	9.90	10.23	12.60	15.48	48.21
S1	12.38	13.97	11.63	14.87	52.85
S2	7.91	6.16	12.29	10.98	37.34
S3	6.48	5.55	12.96	9.05	34.04
S4	7.06	7.05	7.63	7.22	28.96
Total	43.73	42.96	57.11	57.60	201.40

Lampiran 15. Daftar Sidik Ragam Tinggi Bibit Kelapa Sawit Umur 6 MST

SK	DB	JK	KT	F-hitung	F-0.05	F-0.01
Ulangan	1	1.3542	1.3542	1.47 tn	10.13	34.12
P. Utama (V)	3	19.6697	6.5566	7.09 tn	9.26	29.46
Sisa (a)	3	2.7727	0.9242	-	-	-
A. Petak (S)	4	49.5767	12.3942	3.86 *	3.01	4.77
Interaksi (V x S)	12	21.9642	1.8303	0.57 tn	2.42	3.55
Sisa (b)	16	51.3968	3.2123	-	-	-
Total	39	146.7342	-	-	-	-

Keterangan :

- KK (a) = 19.09%  
 KK (b) = 35.60%  
 \*\* = sangat nyata  
 \* = nyata  
 tn = tidak nyata