Lampiran 1. Deskripsi Varietas Kedelai Pangrango

Warna hipokotil : Ungu

Warna daun : Hijau

Warna bulu : Coklat

Warna bunga : Ungu

Warna kulit biji : Kuning

Warna polong masak : Coklat

Warna hilum : Coklat

Tipe tumbuh : Determinit

Umur berbunga : ± 40 hari

Umur matang : ± 88 hari

Tinggi tanaman : ± 65 cm

Percabangan : 3-4 cabang

Bentuk biji : Bulat hingga agak bulat

Kerebahan : Tidak mudah rebah (batang kokoh)

Ketahanan thd penyakit : Tahan karat daun

Kandungan protein : ±39%

Kandungan minyak : ±18%

Dilepas tahun : 1995

Nomor galur : B 8306-4-4

Asal : Hasil persilangan varietas lokal Lampung X Davros pada tahun 1983

Pemulia : Asadi, Darman MA., Sumarno, Hafni Zahara, dan Nurwita Dewi

Lampiran 2. Deskripsi Varietas Kedelai Burangrang

Warna hipokotil : Ungu

Warna bulu : Coklat kekuningan

Warna bunga : Ungu

Warna kulit biji : Kuning

Warna hilum : Terang

Bentuk daun : Oblong, ujung runcing

Tipe tumbuh : Determinit

Umur berbunga : 35 hari

Umur polong matang : 80-82 hari

Tinggi tanaman : 60-70 cm

Percabangan : 1-2 cabang

Ukuran biji : Besar

Kerebahan : Tidak mudah rebah

Ketahanan thd penyakit : Toleran karat daun

Kandungan protein : 39%

Kandungan minyak : 20%

Dilepas tahun : 1999

Nomor galur : C1-I-2/KRP-3

Asal : Segregat silangan alam, diambil dari tanaman petani di Jember

Pemulia : Rodiah S., Ono Sutrisno, Gatot Kustiyono, Sumarno, dan Soegito

Keterangan : Sesuai untuk bahan baku susu kedelai, tempe, dan tahu

Lampiran3

Lampiran 4. Perhitungan Pupuk

Jumlah tanaman yang akan ditanam adalah 16.000 tanaman ha^{-1}

Bobot tanah dalam pot = 8 kg

Rumus :

$$\text{Sp-36} = \frac{\text{x kg}}{16.000 \text{ tan}} = \text{y kg tan}^{-1}$$

1. Dosis pupuk SP36 150 kg ha^{-1} $= \frac{150 kg}{16.000 \text{ tan}} = 9{,}3 \times 10^{-3}$ kg tan^{-1}

   $= 9{,}3$ g tan^{-1}

2. Dosis pupuk urea 85 kg ha^{-1} $= \frac{85 kg}{16.000 \text{ tan}} = 5{,}3 \times 10^{-3}$ kg tan^{-1}

   $= 5{,}3$ g tan^{-1}

3. Dosis pupuk Kcl 100 kg ha^{-1} $= \frac{100 kg}{16.000 \text{ tan}} = 6{,}2 \times 10^{-3}$ kg tan^{-1}

   $= 6{,}2$ g tan^{-1}

LAMPIRAN 5. Analisis nested anova

1. Tinggi Tanaman 2 MST

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keterangan
N	1076,96	3	358,9879	63,904	0,000	2,699	Signifikan
G(N)	830,69	44	18,87927	3,361	0,000	1,503	Signifikan
Galat	539,29	96	5,617569				
Total	2446,94	143					

Koefisien Keragaman 12,40%

2. Tinggi Tanaman 4 MST

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keteragn
N	7122,19	3	2374,063	90,369	0,000	2,699	Signifikan
G(N)	11299,64	44	256,81	9,775	0,000	1,503	Signifikan
Galat	2522,00	96	26,27083				
Total	20943,83	143					

Koefisien Keragaman 13,45%

3. Tinggi Tanaman 6 MST

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keterangan
N	10514,95	3	3504,983	37,947	0,000	2,699	Signifikan
G(N)	25516,41	44	579,9184	6,279	0,000	1,503	Signifikan
Galat	8867,00	96	92,36458				
Total	44898,36	143					

Koefisien Keragaman 15,30%

4. Tinggi Tanaman 8 MST

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keterangan
N	4805,53	3	1601,845	10,810	0,000	2,699	Signifikan
G(N)	26336,40	44	598,5546	4,039	0,000	1,503	Signifikan
Galat	14225,00	96	148,1771				
Total	45366,94	143					

Koefisien Keragaman 18,50%

5. Jumlah Daun 2 MST

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keterangan
N	5,26	3	1,75463	19,436	0,000	2,699	Signifikan
				1,339	0,119	1,503	Tidak
G(N)	5,32	44	0,120896				Signifikan
Galat	8,67	96	0,090278				
Total	19,25	143					

Koefisien Keragaman 31,35%

Galur	N0 Rata-rata	N1(25%) Rata-rata	N2(50%) Rata-rata	N3(75%) Rata-rata
G1 IAC.100/Burg×Kaba(2)	1.00 a	1.00 a	1.00 a	0.33 a
G2 IAC.100 /Burg×Kaba3	1.17 a	1.00 a	1.00 a	0.33 a
G3 IAC.100/Burg×Kaba(9)	1.00 a	1.17 a	0.67 a	0.33 a
G4 Kaba× IAC.100/Burg(11)	1.00 a	1.17 a	1.00 a	0.50 a
G5 IAC.100/Burg×Malabar(8)	1.00 a	1.00 a	1.00 a	0.50 a
G6 IAC.100 /Burg×Kaba(10)	1.00 a	1.00 a	1.00 a	0.50 a
G7 IAC.100/Burg×Malabar(9)	1.00 a	1.33 a	1.00 a	0.67 a
G8 IAC.100 /Burg×Ijen(36)	1.00 a	1.00 a	1.00 a	0.83 a
G9 IAC.100/Burg	1.00 a	1.00 a	1.00 a	1.00 a
G10 IAC.100	1.00 a	1.33 a	1.00 a	1.00 a
G11 Pangrango	1.00 a	1.17 a	1.00 a	0.67 a
G12 Burangrang	1.83 a	1.33 a	1.17 a	1.00 a
BNJ 5%		1,56		

6. Jumlah Daun 4 MST

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keterangan
N	78,13	3	26,04167	79,787	0,000	2,699	Signifikan
G(N)	27,01	44	0,613952	1,881	0,005	1,503	Signifikan
Galat	31,33	96	0,326389				
Total	136,47	143					

Koefisien Keragaman 14,33%

7. Jumlah Daun 6 MST

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keterangan
N	385,23	3	128,4097	66,335	0,000	2,699	Signifikan
G(N)	125,43	44	2,850694	1,473	0,059	1,503	Tidak Signifikan
Galat	185,83	96	1,935764				
Total	696,49	143					

Koefisien Keragaman 15,88%

Galur	N0 Rata-rata	N1(25%) Rata-rata	N2(50%) Rata-rata	N3(75%) Rata-rata
G1 IAC.100/Burg×Kaba(2)	10.00 a	10.33 a	9.17 a	6.33 a
G2 IAC.100 /Burg×Kaba3	9.83 a	10.17 a	8.33 a	5.67 a
G3 IAC.100/Burg×Kaba(9)	10.50 a	9.00 a	7.67 a	7.17 a
G4 Kaba× IAC.100/Burg(11)	10.50 a	9.33 a	10.00 a	6.33 a
G5 IAC.100/Burg×Malabar(8)	10.33 a	9.33 a	8.33 a	5.33 a
G6 IAC.100 /Burg×Kaba(10)	11.00 a	8.67 a	6.83 a	5.50 a
G7 IAC.100/Burg×Malabar(9)	10.67 a	9.50 a	7.50 a	5.17 a
G8 IAC.100 /Burg×Ijen(36)	9.83 a	9.17 a	7.33 a	5.00 a
G9 IAC.100/Burg	10.67 a	11.83 a	9.67 a	6.50 a
G10 IAC.100	10.33 a	10.00 a	7.00 a	6.00 a
G11 Pangrango	11.33 a	10.50 a	10.17 a	7.17 a
G12 Burangrang	11.83 a	8.83 a	10.17 a	8.50 a
BNJ 5%		3,79		

8. Jumlah Daun 8 MST

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keterangan
N	379,10	3	126,3675	62,965	0,000	2,699	Signifikan
G(N)	122,73	44	2,789299	1,390	0,092	1,503	Tidak Signifikan
Galat	192,67	96	2,006944				
Total	694,50	143					

Koefisien Keragaman 16,18%

Galur	N0 Rata-rata	N1(25%) Rata-rata	N2(50%) Rata-rata	N3(75%) Rata-rata
G1 IAC.100/Burg×Kaba(2)	10.00 a	10.33 a	9.17 a	6.50 a
G2 IAC.100 /Burg×Kaba3	9.83 a	10.17 a	8.33 a	6.00 a
G3 IAC.100/Burg×Kaba(9)	10.50 a	9.00 a	7.67 a	6.83 a
G4 Kaba× IAC.100/Burg(11)	10.50 a	9.33 a	10.00 a	6.50 a
G5 IAC.100/Burg×Malabar(8)	10.50 a	9.33 a	8.33 a	5.33 a
G6 IAC.100 /Burg×Kaba(10)	10.50 a	8.67 a	6.83 a	5.50 a
G7 IAC.100/Burg×Malabar(9)	10.67 a	9.50 a	7.50 a	5.33 a
G8 IAC.100 /Burg×Ijen(36)	9.83 a	9.17 a	7.33 a	4.50 a
G9 IAC.100/Burg	10.67 a	11.83 a	9.67 a	7.17 a
G10 IAC.100	10.33 a	10.00 a	7.00 a	6.17 a
G11 Pangrango	11.33 a	10.50 a	10.17 a	6.83 a
G12 Burangrang	11.83 a	8.83 a	10.17 a	8.17 a
BNJ 5%		3,86		

9. Luas Daun 2 MST

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keterangan
N	31901,94	3	10633,98	61,331	0,000	2,699	Signifikan
G(N)	23322,81	44	530,0639	3,057	0,000	1,503	Signifikan
Galat	16645,22	96	173,3877				
Total	71869,98	143					

Koefisien Keragaman 27,86%

10. Luas Daun 4 MST

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keterangan
N	447120,80	3	149040,3	35,222	0,000	2,699	Signifikan
G(N)	421138,91	44	9571,339	2,262	0,000	1,503	Signifikan
Galat	406216,61	96	4231,423				
Total	1274476,32	143					

Koefisien Keragaman 31,32%

11. Luas Daun 6 MST

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keterangan
N	2098203,87	3	699401,3	87,376	0,000	2,699	Signifikan
G(N)	625083,60	44	14206,45	1,775	0,010	1,503	Signifikan
Galat	768435,80	96	8004,54				
Total	3491723,26	143					

Koefisien Keragaman 15,88%

12. Luas Daun 8 MST

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keterangan
N	10651533,55	3	3550511	42,947	0,000	2,699	Signifikan
				0,791	0,805	1,503	Tidak
G(N)	2878163,69	44	65412,81				Signifikan
Galat	7936590,67	96	82672,82				
Total	21466287,91	143					

Koefisien Keragaman 34,05%

Galur	N0	N1(25%)	N2(50%)	N3(75%)
	Rata-rata	Rata-rata	Rata-rata	Rata-rata
G1 IAC.100/Burg×Kaba(2)	989.34 a	519.42 a	242.90 a	170.57 a
G2 IAC.100 /Burg×Kaba3	953.88 a	356.38 a	288.12 a	224.45 a
G3 IAC.100/Burg×Kaba(9)	509.23 a	485.08 a	261.59 a	210.88 a
G4 Kaba× IAC.100/Burg(11)	733.17 a	362.84 a	259.24 a	147.67 a
G5 IAC.100/Burg×Malabar(8)	781.43 a	408.02 a	203.30 a	114.34 a
G6 IAC.100 /Burg×Kaba(10)	1051.20 a	373.40 a	268.01 a	187.28 a
G7 IAC.100/Burg×Malabar(9)	740.96 a	455.82 a	301.60 a	167.73 a
G8 IAC.100 /Burg×Ijen(36)	929.71 a	259.80 a	209.58 a	138.37 a
G9 IAC.100/Burg	1081.49 a	545.80 a	233.06 a	271.27 a
G10 IAC.100	763.28 a	477.09 a	199.94 a	109.61 a
G11 Pangrango	821.83 a	1019.08 a	424.91 a	244.41 a
G12 Burangrang	1283.40 a	277.78 a	230.70 a	258.07 a
BNJ 5%		783,54		

13. Speasific leaf area (SLA) 2 MST

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keterangan
N	259716,39	3	86572,13	3,789	0,013	2,699	Signifikan
G(N)	626560,35	44	14240,01	0,623	0,959	1,503	Tidak Signifikan
Galat	2193714,21	96	22851,19				
Total	3079990,95	143					

Koefisien Keragaman 38,07%

Galur	N0 Rata-rata	N1(25%) Rata-rata	N2(50%) Rata-rata	N3(75%) Rata-rata
G1 IAC.100/Burg×Kaba(2)	500.00a	400.00a	280.00a	159.00a
G2 IAC.100 /Burg×Kaba3	500.00a	399.33a	279.33a	160.00a
G3 IAC.100/Burg×Kaba(9)	500.00a	401.00a	280.67a	160.00a
G4 Kaba× IAC.100/Burg(11)	499.67a	400.00a	279.00a	160.00a
G5 IAC.100/Burg×Malabar(8)	499.67a	400.00a	281.00a	160.33a
G6 IAC.100 /Burg×Kaba(10)	500.33a	400.00a	279.33a	160.00a
G7 IAC.100/Burg×Malabar(9)	322.00a	399.33a	279.67a	159.00a
G8 IAC.100 /Burg×Ijen(36)	501.00a	400.00a	187.33a	161.00a
G9 IAC.100/Burg	499.67a	399.67a	280.33a	160.67a
G10 IAC.100	500.33a	279.00a	279.00a	158.67a
G11 Pangrango	500.33a	400.00a	281.00a	160.00a
G12 Burangrang	500.67a	400.00a	279.00a	160.00a
BNJ 5%		411,97		

14. Speasific leaf area (SLA) 4 MST

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keterangan
N	1204766,76	3	401588,9	19,588	0,000	2,699	Signifikan
G(N)	1214008,89	44	27591,11	1,346	0,115	1,503	TidakSignifikan
Galat	1968212,12	96	20502,21				
Total	4386987,77	143					

Koefisien Keragaman 27,56%

Galur	N0	N1(25%)	N2(50%)	N3(75%)
	Rata-rata	Rata-rata	Rata-rata	Rata-rata
G1 IAC.100/Burg×Kaba(2)	344.15a	385.16a	489.10a	591.95a
G2 IAC.100 /Burg×Kaba3	298.02a	351.75a	483.84a	906.52a
G3 IAC.100/Burg×Kaba(9)	358.03a	376.95a	470.69a	601.28a
G4 Kaba× IAC.100/Burg(11)	372.04a	342.17a	512.59a	616.16a
G5 IAC.100/Burg×Malabar(8)	293.48a	570.55a	546.19a	489.69a
G6 IAC.100 /Burg×Kaba(10)	275.51a	431.71a	439.38a	435.70a
G7 IAC.100/Burg×Malabar(9)	398.93a	332.49a	503.76a	636.28a
G8 IAC.100 /Burg×Ijen(36)	396.68a	353.98a	465.89a	498.66a
G9 IAC.100/Burg	367.29a	346.29a	459.81a	489.67a
G10 IAC.100	564.34a	399.13a	454.62a	499.96a
G11 Pangrango	397.91a	558.85a	541.92a	880.38a
G12 Burangrang	361.53a	288.07a	526.90a	571.65a
BNJ 5%		390,19		

15. Speasific leaf area (SLA) 6 MST

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keterangan
N	774503,77	3	258167,9	39,617	0,000	2,699	Signifikan
				1,142	0,291	1,503	Tidak
G(N)	327566,93	44	7444,703				Signifikan
Galat	625594,02	96	6516,604				
Total	1727664,72	143					

Koefisien Keragaman 24,42%

Galur	N0	N1(25%)	N2(50%)	N3(75%)
	Rata-rata	Rata-rata	Rata-rata	Rata-rata
G1 IAC.100/Burg×Kaba(2)	190.02a	328.15a	282.10a	415.33a
G2 IAC.100 /Burg×Kaba3	277.96a	290.61a	379.52a	447.59a
G3 IAC.100/Burg×Kaba(9)	266.35a	253.49a	302.62a	434.09a
G4 Kaba× IAC.100/Burg(11)	296.76a	223.53a	303.47a	389.29a
G5 IAC.100/Burg×Malabar(8)	253.28a	311.03a	319.69a	480.67a
G6 IAC.100 /Burg×Kaba(10)	267.55a	273.09a	293.01a	553.04a
G7 IAC.100/Burg×Malabar(9)	323.34a	304.22a	221.32a	393.23a
G8 IAC.100 /Burg×Ijen(36)	198.35a	326.74a	319.61a	407.84a
G9 IAC.100/Burg	190.78a	272.83a	372.75a	388.59a
G10 IAC.100	181.11a	345.16a	396.43a	537.94a
G11 Pangrango	269.00a	378.82a	361.23a	506.90a
G12 Burangrang	300.45a	294.70a	297.14a	442.43a
BNJ 5%		219,98		

16. Speasific leaf area (SLA) 8 MST

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keterangan
N	671685,12	3	223895	2,782	0,045	2,699	Signifikan
				0,858	0,711	1,503	Tidak
G(N)	3036386,26	44	69008,78				Signifikan
Galat	7725604,75	96	80475,05				
Total	11433676,13	143					

Koefisien Keragaman 34,91%

Galur	N0 Rata-rata	N1(25%) Rata-rata	N2(50%) Rata-rata	N3(75%) Rata-rata
G1 IAC.100/Burg×Kaba(2)	989.34a	519.42a	242.90a	170.57a
G2 IAC.100 /Burg×Kaba3	953.88a	356.38a	288.12a	224.45a
G3 IAC.100/Burg×Kaba(9)	509.23a	485.08a	261.59a	210.88a
G4 Kaba× IAC.100/Burg(11)	733.17a	362.84a	259.24a	147.67a
G5 IAC.100/Burg×Malabar(8)	781.43a	408.02a	203.30a	114.34a
G6 IAC.100 /Burg×Kaba(10)	1051.20a	373.40a	268.01a	187.28a
G7 IAC.100/Burg×Malabar(9)	740.96a	455.82a	301.60a	167.73a
G8 IAC.100 /Burg×Ijen(36)	929.71a	259.80a	209.58a	138.37a
G9 IAC.100/Burg	1081.49a	545.80a	233.06a	271.27a
G10 IAC.100	763.28a	477.09a	199.94a	109.61a
G11 Pangrango	821.83a	1019.08a	424.91a	244.41a
G12 Burangrang	1283.40a	277.78a	230.70a	258.07a
BNJ 5%		783,54		

17. Klorofil 6 mst

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keterangan
N	112,28	3	37,42637	7,488	0,000	2,699	Signifikan
G(N)	290,04	44	6,591824	1,319	0,131	1,503	Tidak Signifikan
Galat	479,82	96	4,998125				
Total	882,14	143					

Koefisien Keragaman 14,44%

Galur	N0 Rata-rata	N1(25%) Rata-rata	N2(50%) Rata-rata	N3(75%) Rata-rata
G1 IAC.100/Burg×Kaba(2)	43.63a	43.30a	42.17a	42.97a
G2 IAC.100 /Burg×Kaba3	45.27a	43.83a	42.43a	41.53a
G3 IAC.100/Burg×Kaba(9)	43.13a	43.83a	39.77a	42.87a
G4 Kaba× IAC.100/Burg(11)	47.03a	44.50a	42.70a	43.03a
G5 IAC.100/Burg×Malabar(8)	42.87a	39.80a	43.73a	40.23a
G6 IAC.100 /Burg×Kaba(10)	44.27a	44.53a	44.30a	44.50a
G7 IAC.100/Burg×Malabar(9)	42.30a	46.30a	42.60a	42.13a
G8 IAC.100 /Burg×Ijen(36)	45.53a	42.13a	41.03a	39.00a
G9 IAC.100/Burg	43.80a	44.87a	42.07a	40.17a
G10 IAC.100	41.30a	44.33a	45.57a	40.80a
G11 Pangrango	41.67a	44.53a	40.77a	40.20a
G12 Burangrang	44.83a	43.73a	45.80a	42.87a
BNJ 5%		6,09		

18. Klorofil 8 mst

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keterann
N	385,82	3	128,6069	14,715	0,000	2,699	Signifikan
V(N)	815,08	44	18,52452	2,119	0,001	1,503	Signifikan
Galat	839,05	96	8,740139				
Total	2039,95	143					

Koefisien Keragaman 7,09%

19. Laju Fotosintesis 4 mst

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	Ftabel 5%	Keterangan
N	1384,41	3	461,4699	0,343	0,794	2,699	Tidak Signifikan
G(N)	66617,27	44	1514,029	1,125	0,312	1,503	Tidak Signifikan
Galat	129206,06	96	1345,896				
Total	197207,74	143					

Tabel Uji Tukey

N	Rata-Rata	Notasi
N0	2.64	a
N3	5.01	a
N2	8.72	a
N1	10.58	a

20. Laju Fotosintesis 6 mst

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keterann
N	2434,02	3	811,3394	504,692	0,000	2,699	Signifikan
G(N)	660,52	44	15,01193	9,338	0,000	1,503	Signifikan
Galat	154,33	96	1,607592				
Total	3248,87	143					

Koefisien Keragaman 9,03%

21. Laju Fotosintesis 8 mst

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keterann
N	4467.28	3	1489,095	232,473	0,000	2,699	Signifikan
G(N)	3849.95	44	87,49896	13,660	0,000	1,503	Signifikan
Galat	614.92	96	6,405651				
Total	8932.16	143					

Koefisien Keragaman -1125,25%

22. Jumlah Polong Per Tanaman

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keterangan
N	13777,35	3	4592,449	182,330	0,000	2,699	Signifikan
G(N)	3413,13	44	77,57102	3,080	0,000	1,503	Signifikan
Galat	2418,00	96	25,1875				
Total	19608,47	143					

Koefisien Keragaman 23,60%

23. Polong Biji 1

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keterangan
N	26,39	3	8,796296	5,165	0,002	2,699	Signifikan
G(N)	115,11	44	2,616162	1,536	0,042	1,503	Signifikan
Galat	163,50	96	1,703125				
Total	305,00	143					

Koefisien Keragaman 28,30%

24. Polong Biji 2

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keterangan
N	2120,17	3	706,7222	31,840	0,000	2,699	Signifikan
G(N)	1766,50	44	40,1477	1,809	0,008	1,503	Signifikan
Galat	2130,83	96	22,19618				
Total	6017,50	143					

Koefisien Keragaman 26,72%

25. Polong Biji 3

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keterangn
N	3894,60	3	1298,201	69,950	0,000	2,699	Signifikan
G(N)	1939,81	44	44,08665	2,375	0,000	1,503	Signifikan
Galat	1781,67	96	18,55903				
Total	7616,08	143					

Koefisien Keragaman 15,04%

26. Polong Hampa

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keterangan
N	37,91	3	12,636	13,138	0,000	2,699	Signifikan
G(N)	59,74	44	1,357797	1,412	0,082	1,503	Tidak Signifikan
Galat	92,33	96	0,961806				
Total	189,98	143					

Koefisien Keragaman 13,45%

27. Berat Polong Per Tanaman

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keterann
N	2045,36	3	681,7866	79,608	0,000	2,699	Signifikan
G(N)	13915,39	44	316,2589	36,928	0,000	1,503	Signifikan
Galat	822,17	96	8,56427				
Total	16782,92	143					

Koefisien Keragaman 14,23%

28. Jumlah Biji Per Tanaman

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keterangn
N	79916,01	3	26638,67	159,308	0,000	2,699	Signifikan
G(N)	23521,06	44	534,5696	3,197	0,000	1,503	Signifikan
Galat	16052,67	96	167,2153				
Total	119489,73	143					

Koefisien Keragaman 27,13%

29. Berat Kering Biji Per tanaman

Tabel ANOVA

SK	JK	db	KT	F-hit	Sig.	F-tabel 5%	Keteragn
N	1068,14	3	356,0461	86,249	0,000	2,699	Signifikan
G(N)	339,75	44	7,721625	1,870	0,006	1,503	Signifikan
Galat	396,30	96	4,12812				
Total	1804,19	143					

Koefisien Keragaman 37,15%

30. Prosentase rata-rata berat kering biji per tanaman terhadap peningkatan dan penurunan hasil :

Galur	N0-N1 (%)	N0-N2 (%)	N0-N3 (%)
G1 IAC.100/Burg×Kaba(2)	67%	-24%	-66%
G2 IAC.100 /Burg×Kaba(3)	-27%	-36%	-67%
G3 IAC.100/Burg×Kaba(9)	2%	-54%	-77%
G4 Kaba× IAC.100/Burg(11)	-25%	-25%	-77%
G5 IAC.100/Burg×Malabar(8)	-46%	-51%	-83%
G6 IAC.100 /Burg×Kaba(10)	-34%	-51%	-76%
G7 IAC.100/Burg×Malabar(9)	-24%	-52%	-81%
G8 IAC.100 /Burg×Ijen(36)	-6%	-76%	-88%
G9 IAC.100/Burg	-7%	-53%	-81%
G10 IAC.100	-26%	-63%	-84%
G11 Pangrango	-37%	-59%	-85%
G12 Burangrang	-37%	-64%	-81%
Rata-rata	-29,18%	-50,67%	-78,92%

Keterangan : Angka yang diikuti dengan tanda (-) menunjukkan penurunan hasil dan Angka yang diikuti tanda (+) menunjukkan peningkatan hasil rata-rata berat kering biji per tanaman.

Lampiran 6. Data suhu, kelembaban dan Intensitas cahaya

1. Data suhu pada berbagai tingkat naungan

Umur Pengamatan	N0 Suhu(°C)		N1(25%) Suhu(°C)		N2(50%) Suhu(°C)		N3(75%) Suhu(°C)	
	Basah	Kering	Basah	Kering	Basah	Kering	Basah	Kering
1 HST	30	35	29	34	28	33	28	30
2 HST	30	35	28	33	27	32	27	29
3 HST	32	37	30	35	29	34	28	30
4 HST	31	36	29	34	28	33	28	30
5 HST	34	39	31	36	29	34	28	30
6 HST	31	36	29	34	28	33	27	29
7 HST	33	38	31	36	29	34	27	29
8 HST	32	37	30	35	28	33	28	30
9 HST	33	38	31	36	29	34	28	30
10 HST	33	38	30	35	29	34	29	31
11 HST	29	34	28	33	27	32	27	29
12 HST	30	35	29	34	28	33	27	29
13 HST	30	35	29	34	28	33	27	29
14 HST	32	37	30	35	28	33	28	30
15 HST	33	38	31	36	29	34	28	30
16 HST	29	34	28	33	27	32	27	29
17 HST	30	35	29	34	29	34	28	30
18 HST	30	35	29	34	29	34	28	30
19 HST	31	36	30	35	29	34	28	30
20 HST	33	38	31	36	29	34	28	30
21 HST	31	36	30	35	29	34	28	30
22 HST	33	38	31	36	29	34	27	29
23 HST	33	38	31	36	30	35	29	31
24 HST	33	38	32	37	30	35	29	31
25 HST	33	38	30	35	30	35	29	31
26 HST	32	37	30	35	29	34	29	31
27 HST	32	37	30	35	28	33	28	30
28 HST	29	34	29	34	28	33	28	30
29 HST	33	38	31	36	29	34	28	30
30 HST	30	35	30	35	29	34	29	31
31 HST	33	38	31	36	30	35	29	31
32 HST	32	37	31	36	30	32	29	31
33 HST	33	38	30	35	29	31	29	31
34 HST	33	38	31	36	29	31	29	31
35 HST	33	38	31	36	30	32	29	31

36 HST	33	38	32	37	30	32	29	31
37 HST	30	35	28	33	27	29	26	28
38 HST	29	34	29	34	28	30	28	30
39 HST	30	35	28	33	27	29	27	29
40 HST	32	37	29	34	28	30	28	30
41 HST	30	35	29	34	28	30	28	30
42 HST	32	37	29	34	28	30	28	30
43 HST	31	36	28	33	27	29	27	29
44 HST	32	37	30	35	29	31	28	30
45 HST	30	35	30	35	29	31	28	30
46 HST	29	34	28	33	27	29	27	29
47 HST	29	34	29	34	28	30	28	30
48 HST	30	35	29	34	28	30	28	30
49 HST	30	35	28	33	28	30	28	30
50 HST	31	36	29	34	28	33	28	30
51 HST	30	35	28	33	27	32	27	29
52 HST	29	34	28	33	28	33	28	30
53 HST	31	36	29	34	28	31	29	31
54 HST	30	35	30	35	29	32	28	30
55 HST	30	35	30	35	29	32	29	31
56 HST	30	35	29	34	29	32	28	30
57 HST	31	36	29	34	29	32	28	30
58 HST	32	37	30	35	29	32	28	30
59 HST	28	33	28	33	27	30	27	29
60 HST	29	34	29	34	29	32	29	31
61 HST	30	35	30	35	30	33	29	31
62 HST	31	36	30	35	30	33	29	31
63 HST	31	36	30	35	30	33	29	31
64 HST	32	37	31	36	30	33	29	31
65 HST	27	32	26	31	24	27	29	31
66 HST	29	34	28	33	27	30	24	26
67 HST	29	34	28	33	27	30	27	29
68 HST	31	36	29	34	28	31	27	29
69 HST	33	38	30	35	29	32	27	29
70 HST	33	38	30	35	30	33	29	31
71 HST	33	38	30	35	30	33	29	31
72 HST	32	37	30	35	30	33	29	31
73 HST	33	38	31	36	30	33	29	31
74 HST	32	37	30	35	29	32	28	30
75 HST	32	37	31	36	30	33	29	31
76 HST	30	35	30	35	29	32	30	32

77 HST	31	36	28	33	27	30	27	29
78 HST	33	38	29	34	28	31	28	30
79 HST	32	37	29	34	28	31	28	30
80 HST	34	39	31	36	29	32	28	30
81 HST	34	39	31	36	29	32	28	30
82 HST	34	39	31	36	30	33	30	32
83 HST	27	32	27	32	27	30	27	29
84 HST	28	33	27	32	28	31	27	29
85 HST	31	36	30	35	30	33	29	31
86 HST	33	38	30	35	30	33	29	31
87 HST	28	33	34	39	33	36	31	33
88 HST	30	35	29	34	29	32	28	30
89 HST	30	35	29	34	28	31	28	30
90 HST	31	36	29	34	28	31	28	30
Rata-rata	31.1°C	36.1 °C	29.5 °C	34.5°C	28.6 °C	32.1°C	28.1°C	30.1°C

2. Data kelembaban pada berbagai tingkat naungan

Umur Pengamatan	N0	N1 (25%)	N2 (50%)	N3 (75%)
	Kelembaban	Kelembaban	Kelembaban	Kelembaban
1 HST	64	63	63	83
2 HST	64	63	62	83
3 HST	65	64	63	83
4 HST	64	63	63	83
5 HST	64	64	63	83
6 HST	64	63	63	83
7 HST	65	64	63	83
8 HST	65	64	63	83
9 HST	65	64	63	83
10 HST	65	64	63	83
11 HST	63	63	62	83
12 HST	64	63	63	83
13 HST	64	63	63	83
14 HST	65	64	63	83
15 HST	65	64	63	83
16 HST	63	63	62	83
17 HST	64	63	63	83
18 HST	64	63	63	83
19 HST	64	64	63	83
20 HST	65	64	63	83
21 HST	64	64	63	83
22 HST	65	64	63	83
23 HST	65	64	64	83
24 HST	65	65	64	83
25 HST	65	64	64	83
26 HST	65	64	63	83
27 HST	65	64	63	83
28 HST	63	63	63	83
29 HST	65	64	63	83
30 HST	64	64	63	83
31 HST	65	64	64	83
32 HST	65	64	83	83
33 HST	65	64	83	83
34 HST	65	64	83	83
35 HST	65	64	83	83
36 HST	65	65	83	83
37 HST	64	63	83	82

38 HST	63	63	83	83
39 HST	64	63	83	83
40 HST	65	63	83	83
41 HST	64	63	83	83
42 HST	65	63	83	83
43 HST	64	63	83	83
44 HST	65	64	83	83
45 HST	64	64	83	83
46 HST	63	63	83	83
47 HST	63	63	83	83
48 HST	64	63	83	83
49 HST	64	63	83	83
50 HST	64	63	83	83
51 HST	63	63	63	83
52 HST	63	63	75	83
53 HST	64	63	75	83
54 HST	64	64	76	83
55 HST	64	64	76	83
56 HST	64	63	76	83
57 HST	64	63	76	83
58 HST	65	64	76	83
59 HST	63	63	75	83
60 HST	63	63	76	83
61 HST	64	64	76	83
62 HST	64	64	76	83
63 HST	64	64	76	83
64 HST	64	64	76	83
65 HST	62	62	74	83
66 HST	63	63	75	82
67 HST	63	63	75	83
68 HST	64	63	75	83
69 HST	65	64	76	83
70 HST	65	64	76	83
71 HST	65	64	76	83
72 HST	65	64	76	83
73 HST	65	64	76	83
74 HST	65	64	76	83
75 HST	65	64	76	83
76 HST	64	64	76	83
77 HST	64	63	75	83
78 HST	65	63	75	83

79 HST	64	63	75	83
80 HST	65	65	76	83
81 HST	65	65	76	83
82 HST	65	65	76	83
83 HST	62	62	75	83
84 HST	63	62	75	83
85 HST	64	64	76	83
86 HST	65	64	76	83
87 HST	63	65	76	83
88 HST	64	63	76	83
89 HST	64	63	75	83
90 HST	65	63	75	83
Rata-rata	64.2	63.5	72.7	82.9

3. Data intensitas cahaya pada berbagai tingkat naungan

Umur Pengamatan	N0	N1 (25%)	N2 (50%)	N3 (75%)
	Intensitas cahaya	Intensitas cahaya	Intensitas cahaya	Intensitas cahaya
1 HST	560	325	283	173
2 HST	543	290	283	173
3 HST	521	305	283	172
4 HST	531	336	285	169
5 HST	490	325	285	169
6 HST	522	325	285	174
7 HST	512	345	284	174
8 HST	560	305	284	173
9 HST	543	354	284	174
10 HST	523	356	283	174
11 HST	532	325	283	174
12 HST	512	293	286	175
13 HST	521	325	287	176
14 HST	548	325	286	176
15 HST	498	325	286	176
16 HST	500	345	287	175
17 HST	519	345	287	174
18 HST	563	345	286	175
19 HST	532	360	286	175
20 HST	531	345	285	176
21 HST	542	325	285	176
22 HST	514	325	284	177
23 HST	563	360	282	176
24 HST	538	360	282	177
25 HST	526	356	283	177
26 HST	512	345	286	178
27 HST	537	356	286	178
28 HST	536	365	286	176
29 HST	563	365	288	176
30 HST	519	365	288	176
31 HST	518	350	289	176
32 HST	526	350	289	175
33 HST	514	350	290	174
34 HST	524	350	290	174
35 HST	515	312	290	176
36 HST	523	325	291	178
37 HST	521	325	291	178

38 HST	511	325	293	176
39 HST	524	360	293	176
40 HST	562	365	293	178
41 HST	517	345	295	178
42 HST	529	345	295	177
43 HST	531	345	295	177
44 HST	573	360	294	178
45 HST	513	354	294	177
46 HST	526	355	296	177
47 HST	547	367	295	177
48 HST	515	350	293	176
49 HST	522	325	294	176
50 HST	555	330	291	176
51 HST	512	312	293	176
52 HST	538	312	293	178
53 HST	529	340	293	178
54 HST	576	312	293	177
55 HST	548	315	293	177
56 HST	583	345	294	175
57 HST	544	360	294	175
58 HST	533	335	294	175
59 HST	537	315	295	176
60 HST	532	315	295	176
61 HST	548	345	295	178
62 HST	537	345	294	178
63 HST	546	360	294	178
64 HST	537	355	294	179
65 HST	526	355	293	179
66 HST	537	356	293	180
67 HST	544	375	293	183
68 HST	555	356	293	183
69 HST	534	356	293	183
70 HST	493	378	294	182
71 HST	450	315	294	182
72 HST	489	312	294	182
73 HST	499	360	290	180
74 HST	463	356	290	177
75 HST	531	355	290	177
76 HST	500	350	290	178
77 HST	561	350	291	179
78 HST	543	350	291	179

79 HST	542	355	291	179
80 HST	561	356	293	178
81 HST	548	315	293	182
82 HST	529	329	289	182
83 HST	519	329	289	180
84 HST	539	354	289	180
85 HST	527	355	288	179
86 HST	512	365	288	179
87 HST	581	355	287	176
88 HST	591	345	287	176
89 HST	536	350	287	176
90 HST	516	350	286	175
Rata-rata	531.144	341.7444	289.656	176.844
Tingkat Naungan		35,66%	45,47%	66,71%

Lampiran 7. Perhitungan Speasific leaf area

1. Perhitungan SLA Pengamatan pada 2 mst

NO			N1 (25%)		
Luas daun	Berat kering daun	SLA	Luas daun	Berat kering daun	SLA
43.811	0.14	312.9357	52.3945	0.13	403.0346
48.624	0.165	294.6909	56.325	0.135	417.2222
45.4685	0.155	293.3452	60.149	0.135	445.5481
45.488	0.17	267.5765	59.4345	0.14	424.5321
62.1885	0.175	355.3629	45.7035	0.08	571.2938
53.23	0.185	287.7297	46.2065	0.185	249.7649
59.0315	0.165	357.7667	53.6765	0.12	447.3042
62.9915	0.24	262.4646	40.1975	0.155	259.3387
84.5565	0.26	325.2173	84.7835	0.22	385.3795
43.954	0.145	303.131	62.8215	0.125	502.572
51.6005	0.17	303.5324	47.2635	0.08	590.7938
97.984	0.25	391.936	98.8375	0.19	520.1974

N2 (50%)			N3 (75%)		
Luas daun	Berat kering daun	SLA	Luas daun	Berat kering daun	SLA
25.1655	0.07	359.5071	13.8735	0.04	346.8375
25.779	0.09	286.4333	24.94	0.06	415.6667
29.805	0.085	350.6471	18.2575	0.03	608.5833
49.2635	0.155	317.829	26.8745	0.06	447.9083
41.774	0.09	464.1556	23.3385	0.035	666.8143
41.755	0.09	463.9444	19.533	0.02	976.65
65.79	0.125	526.32	26.4975	0.055	481.7727
49.29	0.14	352.0714	28.787	0.06	479.7833
43.9495	0.125	351.596	25.198	0.06	419.9667
42.945	0.095	452.0526	19.815	0.05	396.3
39.975	0.12	333.125	26.857	0.055	488.3091
53.094	0.145	366.1655	28.622	0.055	520.4

2. Perhitungan SLA pada pengamatan 4mst

NO			N1 (25%)		
Luas daun	Berat kering daun	SLA	Luas daun	Berat kering daun	SLA
237.261	0.68	348.9125	192.889	0.415	464.7916
288.975	0.8	361.2188	217.429	0.62	350.6919
278.077	0.67	415.0396	154.067	0.365	422.1
238.434	0.665	358.5474	178.747	0.47	380.3117
248.752	0.7	355.3593	162.944	0.405	402.3296
293.359	0.96	305.5818	167.412	0.46	363.938
393.99	0.975	404.0923	158.822	0.52	305.426
340.579	1.015	335.5453	279.865	0.725	386.0207
350.906	1.04	337.4091	300.298	0.805	373.041
304.201	0.78	390.0013	228.615	0.685	333.7438
359.569	0.945	380.4963	236.308	0.505	467.9366
376.744	0.965	390.4083	57.3385	0.555	103.3126

N2 (50%)			N3 (75%)		
Luas daun	Berat kering daun	SLA	Luas daun	Berat kering daun	SLA
221.62	0.57	388.8061	143.571	0.295	486.6797
244.964	0.525	466.5981	209.503	0.155	1351.629
257.935	0.65	396.8231	115.747	0.165	701.4939
241.713	0.55	439.4773	60.637	0.155	391.2065
198.815	0.355	560.0408	82.3745	0.14	588.3893
257.047	0.57	450.9596	73.343	0.125	586.744
209.6	0.575	364.5217	109.922	0.175	628.1229
257.866	0.645	399.7915	90.4415	0.16	565.2594
329.138	0.745	441.7953	124.613	0.23	541.7935
156.006	0.335	465.6896	123.112	0.26	473.5077
179.465	0.295	608.3559	134.256	0.265	506.6264
182.44	0.37	493.0797	108.578	0.17	638.6912

3. Perhitungan SLA pada pengamatan 6 mst

NO			N1 (25%)		
Luas daun	Berat kering daun	SLA	Luas daun	Berat kering daun	SLA
298.58	2.365	126.2495	487.689	1.305	373.708
502.372	1.775	283.0262	399.134	1.38	289.2275
451.788	1.755	257.4288	467.8	1.825	256.3288
538.193	1.945	276.7059	796.581	4.35	183.122
590.388	2.87	205.7099	380.747	1.4	271.9621
598.129	4.16	143.7809	332.067	1.015	327.1591
409.196	1.36	300.8794	374.57	1.085	345.2258
439.087	3.28	133.868	421.659	1.425	295.9011
712.703	3.36	212.114	429.271	1.34	320.3515
642.095	3.625	177.1297	599.008	1.835	326.4349
516.554	1.61	320.841	306.066	0.855	357.9719
760.315	2.855	266.31	461.504	1.815	254.2722

N2 (50%)			N3 (75%)		
Luas daun	Berat kering daun	SLA	Luas daun	Berat kering daun	SLA
404.209	1.415	285.6597	244.691	0.685	357.2124
329.499	1.065	309.3887	245.226	0.63	389.2476
375.549	1.28	293.3977	224.889	0.545	412.6394
277.623	0.98	283.2883	232.358	0.585	397.1932
292.939	0.875	334.7869	108.11	0.165	655.2091
276.791	0.87	318.15	88.6345	0.14	633.1036
0	0.99	0	241.473	0.59	409.2763
292.187	0.99	295.1379	185.415	0.5	370.829
381.61	0.935	408.139	274.276	0.795	345.0013
402.043	1.085	370.5461	252.172	0.47	536.5362
394.27	1.07	368.4762	147.429	0.335	440.0851
233.452	0.86	271.4552	264.385	0.81	326.4006

4. Perhitungan SLA pada pengamatan 8 mst

NO			N1 (25%)		
Luas daun	Berat kering daun	SLA	Luas daun	Berat kering daun	SLA
414.656	2.085	198.8758	322.891	0.765	422.0791
1106.33	2.25	491.7033	392.415	1.71	229.4825
292.414	1.47	198.9207	272.29	1.235	220.4777
259.272	1.005	257.9816	343.54	1.2	286.2833
936.652	2.395	391.0864	457.18	1.865	245.1367
348.626	1.535	227.1179	267.04	1.26	211.9365
504.31	1.835	274.8281	229.15	1.18	194.1949
311.757	1.675	186.1233	228.63	1.115	205.0493
617.428	2.175	283.8749	524.095	1.74	301.204
692.762	3.265	212.1783	374.79	1.665	225.0991
504.503	2.115	238.5357	654.385	2.23	293.4462
434.153	1.785	243.223	160.505	1.625	98.77231

N2 (50%)			N3 (75%)		
Luas daun	Berat kering daun	SLA	Luas daun	Berat kering daun	SLA
275.69	0.925	298.0432	143.366	0.47	305.034
297.21	1.18	251.8729	308.752	0.555	556.3099
203.52	0.44	462.5455	89.4915	0.31	288.6823
270.495	0.86	314.5291	136.303	0.48	283.9635
232.425	0.57	407.7632	51.3765	0.195	263.4692
192.85	0.44	438.2955	71.452	0.44	162.3909
262.95	0.455	577.9121	65.516	0.28	233.9857
195.697	0.53	369.2396	125.573	0.485	258.9124
57.1375	1.62	35.27006	386.661	0.97	398.6196
186.065	0.45	413.4778	105.603	0.32	330.0078
407.04	1.07	380.4112	342.422	0.65	526.8031
251.07	1.155	217.3766	152.845	0.55	277.9