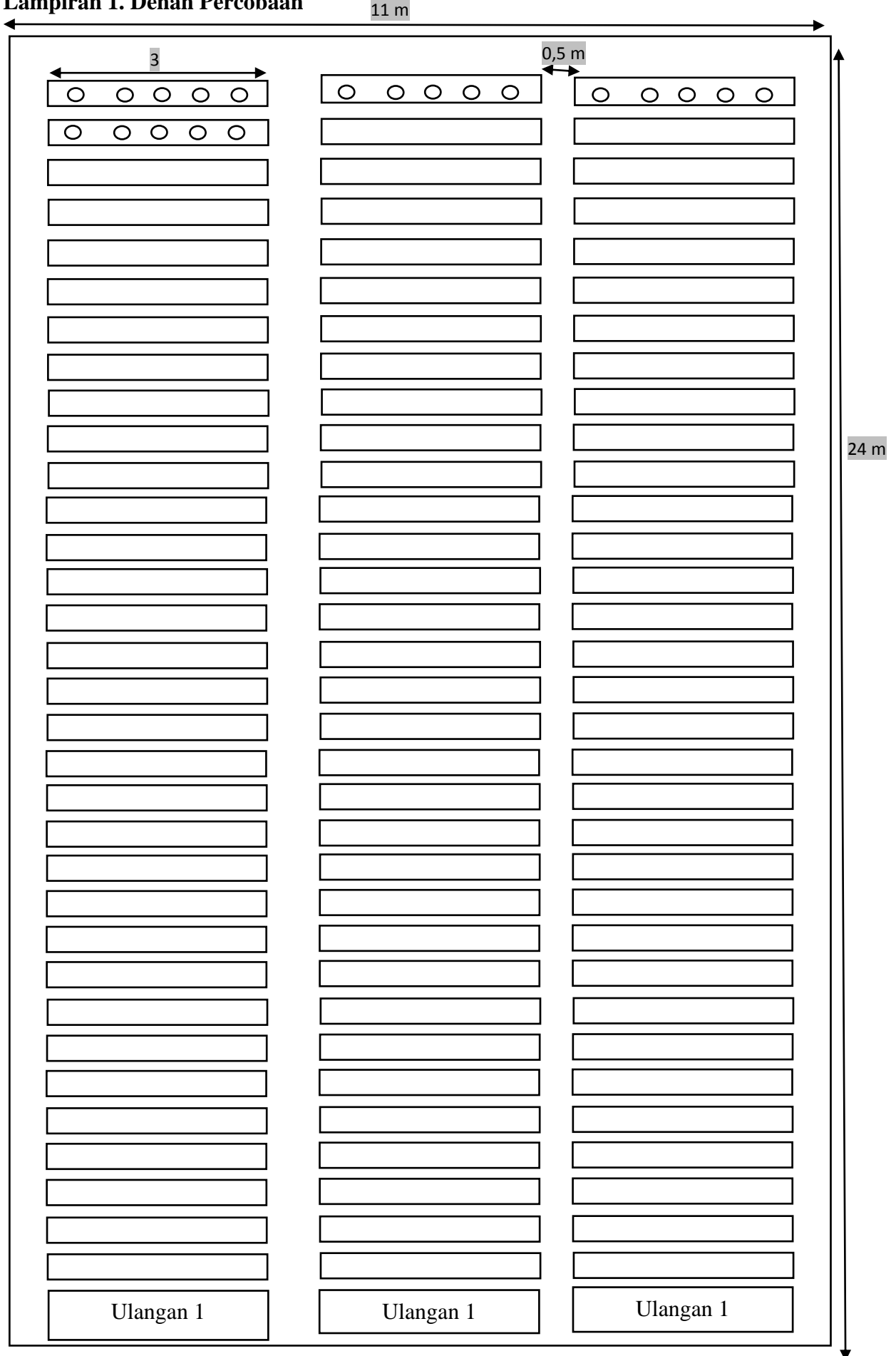
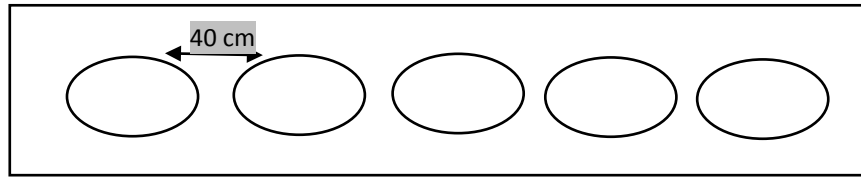


LAMPIRAN

Lampiran 1. Denah Percobaan

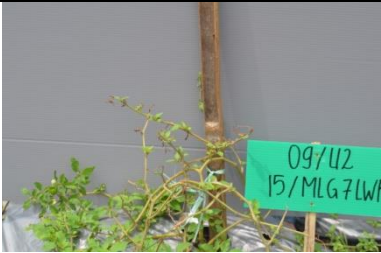
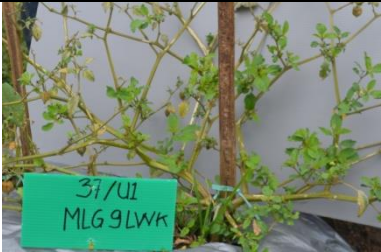







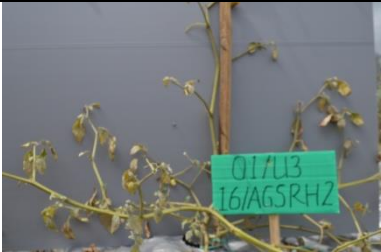

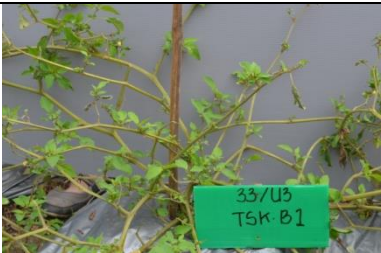


Lampiran 2. Denah Bedengan




Lampiran 3. Keragaman Aksesori Ciplukan






1. Keragaman Tipe Pertumbuhan Ciplukan

No	Kode Aksesori	Tipe Pertumbuhan	Dokumentasi
1	16/MLGTPG-1	Prostrate	
2	16/MLGTPG-2	Prostrate	
3	16/MLGTPG-4	Prostrate	
4	16/MLGTPG-5	Semi-upright	
5	16/MLG1LWK	Semi-upright	



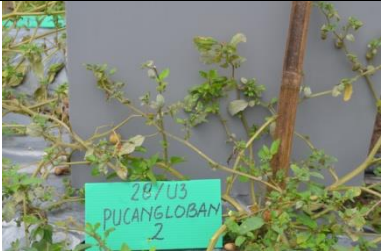
No	Kode Akses	Tipe Pertumbuhan	Dokumentasi
6	16/MLG7LWK	Semi-upright	
7	16/MLG9LWK	Semi-upright	
8	16/MLG10LWK	Semi-upright	
9	16/MLGJKT-1	Prostrate	
10	16/MDRGDR	Semi-upright	
11	16/MDRDH	Prostrate	

No	Kode Akses	Tipe Pertumbuhan	Dokumentasi
12	16/AGSRH-1	Semi-upright	
13	16/AGSRH-2	Semi-upright	
14	16/AGSRH-4	Semi-upright	
15	16/TKS-B1	Semi-upright	
16	16/TSK-B2	Prostrate	
17	16/GRTKWK-B	Prostrate	


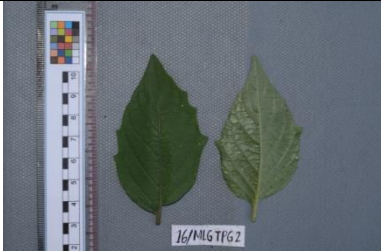
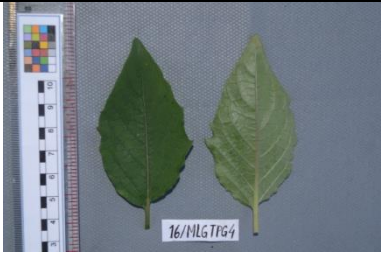


No	Kode Akses	Tipe Pertumbuhan	Dokumentasi
18	16/GRTKLT-B	Semi-upright	
19	16/SMD-3	Uprigt	
20	16/SMD-10	Uprigt	
21	16/PLBTLG-2	Semi-upright	
22	16/PLBFNLG-3	Semi-upright	

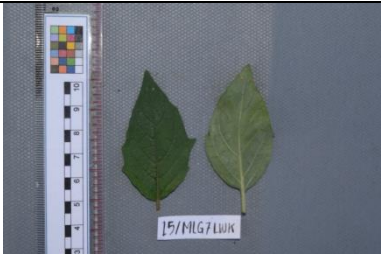





No	Kode Akses	Tipe Pertumbuhan	Dokumentasi
23	16/KDR-1	Semi-upright	
24	16/RJMKDR-2	Semi-upright	
25	16/INTBLD-B1	Uprigt	
26	16/INTBLD-B2	Uprigt	
27	16/INTBLD-B3	Uprigt	






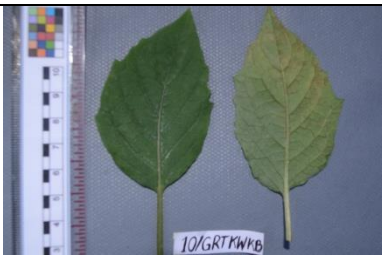
No	Kode Akses	Tipe Pertumbuhan	Dokumentasi
28	16/INTBLD-B4	Uprigt	
29	16/INTBLD-B6	Uprigt	
30	17/INTTHLD-R8	Uprigt	
31	17/INTTHLD-R9	Uprigt	

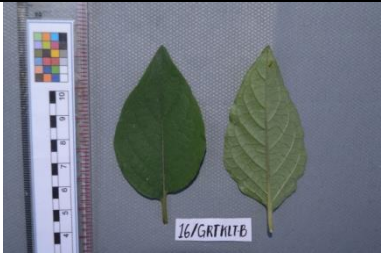
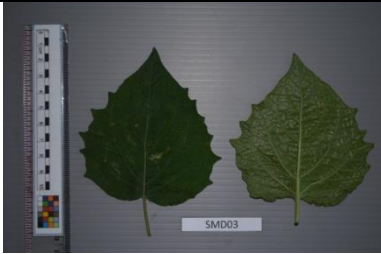
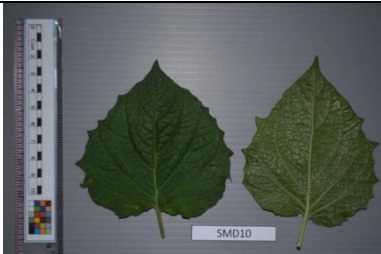
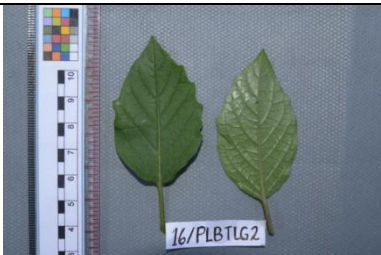
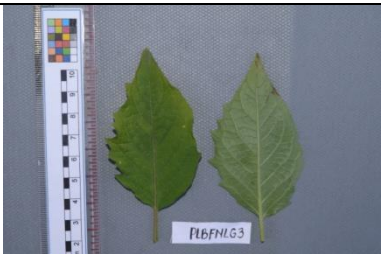

No	Kode Akses	Tipe Pertumbuhan	Dokumentasi
32	17/INTTHLD-R10	Upright	
33	16/OLSCHIP-12	Prostrate	
34	16/PUCANGLOBAN	Semi-upright	







2. Keragaman morfologi daun ciplukan





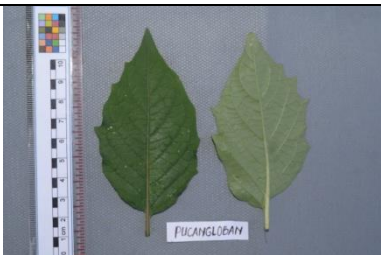
No	Kode Aksesori	Warna Daun	Bentuk Daun	Cuping Daun	Dokumentasi
1	16/MLGTPG-1	yellowish green	medium elliptic	Absent	
2	16/MLGTPG-2	yellowish green	medium elliptic	Medium	
3	16/MLGTPG-4	yellowish green	medium elliptic	Absent	
4	16/MLGTPG-5	yellowish green	medium elliptic	Absent	
5	16/MLG1LWK	green	medium elliptic	Strong	

No	Kode Aksesi	Warna Daun	Bentuk Daun	Cuping Daun	Dokumentasi
6	16/MLG7LWK	yellowish green	medium elliptic	Absent	
7	16/MLG9LWK	yellowish green	medium elliptic	Absent	
8	16/MLG10LWK	yellowish green	medium elliptic	Medium	
9	16/MLGJKT-1	yellowish green	Narrow elliptic	Absent	
10	16/MDRGDR	green	Narrow elliptic	Strong	
11	16/MDRDH	yellowish green	medium elliptic	Absent	






No	Kode Aksesi	Warna Daun	Bentuk Daun	Cuping Daun	Dokumentasi
12	16/AGSRH-1	green	medium elliptic	Absent	
13	16/AGSRH-2	green	medium elliptic	Absent	
14	16/AGSRH-4	green	medium elliptic	Medium	
15	16/TKS-B1	yellowish green	Narrow elliptic	Medium	
16	16/TSK-B2	yellowish green	Narrow elliptic	Medium	
17	16/GRTKWK-B	yellowish green	medium elliptic	Absent	






No	Kode Akses	Warna Daun	Bentuk Daun	Cuping Daun	Dokumentasi
18	16/GRTKLT-B	yellowish green	medium elliptic	Absent	
19	16/SMD-3	green	broad elliptic	Medium	
20	16/SMD-10	green	broad elliptic	Medium	
21	16/PLBTLG-2	yellowish green	medium elliptic	Absent	
22	16/PLBFNLG-3	yellowish green	medium elliptic	Medium	
23	16/KDR-1	yellowish green	Narrow elliptic	Absent	






No	Kode Akses	Warna Daun	Bentuk Daun	Cuping Daun	Dokumentasi
24	16/RJMKDR-2	yellowish green	Narrow elliptic	Strong	
25	16/INTBLD-B1	green	broad elliptic	Absent	
26	16/INTBLD-B2	green	broad elliptic	Absent	
27	16/INTBLD-B3	green	broad elliptic	Absent	
28	16/INTBLD-B4	green	broad elliptic	Absent	
29	16/INTBLD-B6	green	broad elliptic	Absent	






No	Kode Akses	Warna Daun	Bentuk Daun	Cuping Daun	Dokumentasi
30	17/INTTHLD-R8	green	broad elliptic	Absent	
31	17/INTTHLD-R9	green	broad elliptic	Absent	
32	17/INTTHLD-R10	green	broad elliptic	Absent	
33	16/OLSCHIP-12	green	Narrow elliptic	Absent	
34	16/PUCANGLOBAN	yellowish green	medium elliptic	Medium	






3. Keragaman morfologi buah ciplukan

No	Kode Akses	Bentuk buah	Warna buah	Dokumentasi
1	16/MLGTPG-1	cordate	white	
2	16/MLGTPG-2	cordate	yellow	
3	16/MLGTPG-4	cordate	yellow	
4	16/MLGTPG-5	cordate	white	
5	16/MLG1LWK	cordate	yellow	





No	Kode Akses	Bentuk buah	Warna buah	Dokumentasi
6	16/MLG7LWK	cordate	yellow	
7	16/MLG9LWK	circular	yellow	
8	16/MLG10LWK	circular	yellow	
9	16/MLGJKT-1	circular	yellow	
10	16/MDRGDR	circular	yellow	

No	Kode Akses	Bentuk buah	Warna buah	Dokumentasi
11	16/MDRDH	circular	yellow	
12	16/AGSRH-1	cordate	green	
13	16/AGSRH-2	cordate	white	
14	16/AGSRH-4	cordate	white	
15	16/TKS-B1	circular	white	

No	Kode Akses	Bentuk buah	Warna buah	Dokumentasi
16	16/TSK-B2	circular	yellow	
17	16/GRTKWK-B	cordate	yellow	
18	16/GRTKLT-B	cordate	yellow	
19	16/SMD-3	oblate	orange	
20	16/SMD-10	oblate	orange	

No	Kode Akses	Bentuk buah	Warna buah	Dokumentasi
21	16/PLBTLG-2	cordate	white	
22	16/PLBFNLG-3	cordate	green	
23	16/KDR-1	cordate	yellow	
24	16/RJMKDR-2	cordate	green	
25	16/INTBLD-B1	oblate	orange	

No	Kode Akses	Bentuk buah	Warna buah	Dokumentasi
26	16/INTBLD-B2	oblate	orange	
27	16/INTBLD-B3	oblate	Orange	
28	16/INTBLD-B4	oblate	orange	
29	16/INTBLD-B6	oblate	orange	
30	17/INTTHLD-R8	oblate	orange	

No	Kode Akses	Bentuk buah	Warna buah	Dokumentasi
31	17/INTTHLD-R9	oblate	orange	
32	17/INTTHLD-R10	oblate	orange	
33	16/OLSCHIP-12	circulra	white	
34	16/PUCANGLOBAN	circular	green	

Lampiran 4. Analisis Ragam, Perhitungan Proporsi Ragam Genetik, Fenotip dan Lingkungan

Karakter Pengamatan	KT Genotiip	σ_e^2	Proporsi ragam genetik total terhadap ragam total (%)	σ_g^2	Proporsi ragam genetik total terhadap ragam total (%)	σ_f^2	Proporsi ragam genetik total terhadap ragam total (%)
Tinggi batang	590,77	5,89	1,00	194,96	33,00	200,85	34,00
Diameter batang	24,05	4,27	17,75	6,59	27,40	10,86	45,16
Jumlah cabang tersier	264,91	8,65	3,27	85,42	32,24	94,07	35,51
Jumlah bunga per cabang tersier	2,06	0,40	19,42	0,55	26,70	0,96	46,60
Jumlah bunga per tanaman	12946,87	916,92	7,08	4009,98	30,97	4926,91	38,05
Jumlah buah per tanaman	12266,51	328,98	2,68	3979,18	32,44	4308,16	35,12
Jumlah buah segar per tanaman	11124,37	401,42	3,61	3574,32	32,13	3975,74	35,74
Panjang tangkai buah	0,24	0,03	12,50	0,07	29,17	0,10	41,67
Panjang kelobot	0,84	0,04	4,76	0,27	32,14	0,31	36,90
Diameter kelobot	72,87	1,24	1,70	23,88	32,77	25,11	34,46
Panjang buah	0,37	0,02	5,41	0,12	32,43	0,14	37,84
Diameter buah	48,53	1,66	3,42	15,62	32,19	17,28	35,61
Bobot per buah tanpa kelobot	14,29	0,02	0,14	4,36	30,51	4,38	30,65
Bobot per buah dengan kelobot	13,69	0,02	0,15	4,56	33,31	4,58	33,46
Bobot buah per tanaman	61033,45	1273,50	2,09	19919,98	32,64	21193,48	34,72
Bobot buah segar per tanaman	50454,41	1153,36	2,29	16433,68	32,57	17587,04	34,86
Level kemanisan	4,98	0,19	3,82	1,60	32,13	1,79	35,94

Keterangan: KT: Kuadrat Tengah, σ_e^2 : Ragam Lingkungan, σ_g^2 :Ragam Genetik, σ_f^2 :Ragam Fenotip.

Lampiran 5. Analisa Ragam, Perhitungan KKG, KKF dan H

1. Tinggi batang

Tabel Anova

Sumber Ragam	Jumlah Kuadrat	Derajat Bebas	Kuadrat Tengah	F	ProbF
Ulangan	0,17	2,00	0,08		
Aksesi	19495,50	33,00	590,77	100,22	0,00 **
Galat	389,04	66,00	5,89		
Total	19884,71	101,00			
FK	36488,36				
CV	12,84				

$$\sigma_g^2 = \frac{KT_{\text{genotip}} - KT_{\text{galat}}}{r} \quad \sigma_e^2 = KT_{\text{galat}}$$

$$= \frac{590,77 - 5,89}{3} = 5,89$$

$$= 194,96$$

$$\sigma_f^2 = \sigma_g^2 + \sigma_e^2$$

$$= 194,96 + 5,89$$

$$= 200,85$$

$$KKF = \frac{\sqrt{200,85}}{18,91} \times 100\%$$

$$= 74,93 \%$$

$$KKG = \frac{\sqrt{194,96}}{18,91} \times 100\%$$

$$= 73,82 \%$$

$$h^2 = \frac{194,96}{194,96 + 5,89}$$

$$= 0,97$$

2. Diameter Batang

Tabel Anova

Sumber Ragam	Jumlah Kuadrat	Derajat Bebas	Kuadrat Tengah	F	ProbF
Ulangan	14,95	2,00	7,48		
Akresi	793,70	33,00	24,05	5,64	0,00 **
Galat	281,59	66,00	4,27		
Total	1090,23	101,00			
FK	10812,22				
CV	20,06				

$$\sigma_g^2 = \frac{KT \text{ genotip} - KT \text{ galat}}{r}$$

$$= \frac{24,05 - 4,27}{3}$$

$$= 6,59$$

$$\sigma_e^2 = KT \text{ galat}$$

$$= 4,27$$

$$\sigma_f^2 = \sigma_g^2 + \sigma_e^2$$

$$= 6,59 + 4,27$$

$$= 10,86$$

$$KKF = \frac{\sqrt{10,86}}{10,30} \times 100\%$$

$$= 32,01 \%$$

$$KKG = \frac{\sqrt{6,59}}{10,30} \times 100\%$$

$$= 24,94 \%$$

$$h^2 = \frac{6,59}{6,59 + 4,27}$$

$$= 0,61$$

3. Jumlah Cabang Tersier

Tabel Anova

Sumber Ragam	Jumlah Kuadrat	Derajat Bebas	Kuadrat Tengah	F	ProbF	
Ulangan	70,44	2,00	35,22			
Aksesi	8742,01	33,00	264,91	30,61	0,00	**
Galat	571,16	66,00	8,65			
Total	9383,61	101,00				
FK	90718,21					
CV	9,86					

$$\sigma_g^2 = \frac{KT \text{ genotip} - KT \text{ galat}}{r}$$

$$= \frac{264,91 - 8,65}{3}$$

$$= 85,42$$

$$\sigma_e^2 = KT \text{ galat}$$

$$= 8,65$$

$$\sigma_f^2 = \sigma_g^2 + \sigma_e^2$$

$$= 85,42 + 8,65$$

$$= 94,07$$

$$KKF = \frac{\sqrt{94,07}}{29,82} \times 100\%$$

$$= 32,52 \%$$

$$KKG = \frac{\sqrt{85,42}}{29,82} \times 100\%$$

$$= 30,99 \%$$

$$h^2 = \frac{85,42}{85,42 + 8,65}$$

$$= 0,91$$

3 Jumlah Bunga per Cabang Tersier

Tabel Anova

Sumber Ragam	Jumlah Kuadrat	Derajat Bebas	Kuadrat Tengah	F	ProbF
Ulangan	5,35	2,00	2,68		
Aksesi	68,13	33,00	2,06	5,13	0,00 **
Galat	26,54	66,00	0,40		
Total	100,02	101,00			
FK	1074,74				
CV	19,54				

$$\sigma_g^2 = \frac{KT \text{ genotip} - KT \text{ galat}}{r}$$

$$= \frac{2,06 - 0,40}{3}$$

$$= 0,55$$

$$\sigma_e^2 = KT \text{ galat}$$

$$= 0,40$$

$$\sigma_f^2 = \sigma_g^2 + \sigma_e^2$$

$$= 0,55 + 0,40$$

$$= 0,95$$

$$KKF = \frac{\sqrt{0,95}}{3,25} \times 100\%$$

$$= 30,13 \%$$

$$KKG = \frac{\sqrt{0,55}}{3,25} \times 100\%$$

$$= 22,93 \%$$

$$h^2 = \frac{0,55}{0,55 + 0,40}$$

$$= 0,58$$

4 Jumla Bunga Pertanaman

Tabel Anova

Sumber Ragam	Jumlah Kuadrat	Derajat Bebas	Kuadrat Tengah	F	ProbF
Ulangan	3552,96	2,00	1776,48		
Akresi	427246,83	33,00	12946,87	14,12	0,00 **
Galat	60516,99	66,00	916,92		
Total	491316,78	101,00			
FK	1175768,79				
CV	28,20				

$$\sigma_g^2 = \frac{KT_{\text{genotip}} - KT_{\text{galat}}}{r}$$

$$= \frac{12946,87 - 916,92}{3}$$

$$= 4009,98$$

$$\sigma_e^2 = KT_{\text{galat}}$$

$$= 916,92$$

$$\sigma_f^2 = \sigma_g^2 + \sigma_e^2$$

$$= 4009,98 + 916,92$$

$$= 4926,91$$

$$KKF = \frac{\sqrt{4926,91}}{107,36} \times 100\%$$

$$= 65,38 \%$$

$$KKG = \frac{\sqrt{4009,98}}{107,36} \times 100\%$$

$$= 58,98 \%$$

$$h^2 = \frac{4009,98}{4009,98 + 916,92}$$

$$= 0,81$$

6. Jumlah Buah per Tanaman

Tabel Anova

Sumber Ragam	Jumlah Kuadrat	Derajat Bebas	Kuadrat Tengah	F	ProbF
Ulangan	1248,49	2,00	624,25		
Aksesi	404794,93	33,00	12266,51	37,29	0,00 **
Galat	21712,79	66,00	328,98		
Total	427756,21	101,00			
FK	692621,44				
CV	22,01				

$$\begin{aligned}\sigma_g^2 &= \frac{KT \text{ genotip} - KT \text{ galat}}{r} \\ &= \frac{12266,51 - 328,98}{3} \\ &= 3979,18\end{aligned}$$

$$\begin{aligned}\sigma_e^2 &= KT \text{ galat} \\ &= 328,98\end{aligned}$$

$$\begin{aligned}\sigma_f^2 &= \sigma_g^2 + \sigma_e^2 \\ &= 3979,18 + 328,98 \\ &= 4308,16\end{aligned}$$

$$\begin{aligned}KKF &= \frac{\sqrt{4308,16}}{82,40} \times 100\% \\ &= 79,65 \%\end{aligned}$$

$$\begin{aligned}KKG &= \frac{\sqrt{3979,18}}{82,40} \times 100\% \\ &= 76,55 \%\end{aligned}$$

$$\begin{aligned}h^2 &= \frac{3979,18}{3979,18 + 328,98} \\ &= 0,92\end{aligned}$$

7. Jumlah Buah Segar per Tanaman

Tabel Anova

Sumber Ragam	Jumlah Kuadrat	Derajat Bebas	Kuadrat Tengah	F	ProbF
Ulangan	970,74	2,00	485,37		
Aksesi	367104,31	33,00	11124,37	27,71	0,00 **
Galat	26493,97	66,00	401,42		
Total	394569,01	101,00			

FK = 567407,63

CV = 26,86

$$\sigma_g^2 = \frac{KT \text{ genotip} - KT \text{ galat}}{r}$$

$$= \frac{111124,37 - 401,42}{3}$$

$$= 3574,32$$

$$\sigma_e^2 = KT \text{ galat}$$

$$= 401,42$$

$$\sigma_f^2 = \sigma_g^2 + \sigma_e^2$$

$$= 3574,32 + 401,42$$

$$= 3975,74$$

$$KKF = \frac{\sqrt{3975,74}}{74,58} \times 100\%$$

$$= 84,54 \%$$

$$KKG = \frac{\sqrt{3574,32}}{74,58} \times 100\%$$

$$= 80,16 \%$$

$$h^2 = \frac{3574,32}{3574,32 + 401,42}$$

$$= 0,90$$

8. Panjang Tangkai Buah

Tabel Anova

Sumber Ragam	Jumlah Kuadrat	Derajat Bebas	Kuadrat Tengah	F	ProbF
Ulangan	0,06	2,00	0,03		
Aksesi	7,86	33,00	0,24	8,14	0,00 **
Galat	1,93	66,00	0,03		
Total	9,86	101,00			
FK	384,49				
CV	8,81				

$$\sigma_g^2 = \frac{KT \text{ genotip} - KT \text{ galat}}{r}$$

$$= \frac{0,24 - 0,03}{3}$$

$$= 0,07$$

$$\sigma_e^2 = KT \text{ galat}$$

$$= 0,03$$

$$\sigma_f^2 = \sigma_g^2 + \sigma_e^2$$

$$= 0,07 + 0,03$$

$$= 0,10$$

$$KKF = \frac{\sqrt{0,10}}{1,94} \times 100\%$$

$$= 16,20 \%$$

$$KKG = \frac{\sqrt{0,07}}{1,94} \times 100\%$$

$$= 13,59 \%$$

$$h^2 = \frac{0,07}{0,07 + 0,03}$$

$$= 0,70$$

9. Panjang Kelobot

Tabel Anova

Sumber Ragam	Jumlah Kuadrat	Derajat Bebas	Kuadrat Tengah	F	ProbF
Ulangan	0,01	2,00	0,00		
Aksesi	27,77	33,00	0,84	19,04	0,00 **
Galat	2,92	66,00	0,04		
Total	30,70	101,00			
FK	667,08				
CV	8,22				

$$\sigma_g^2 = \frac{KT \text{ genotip} - KT \text{ galat}}{r}$$

$$= \frac{0,84 - 0,04}{3}$$

$$= 0,27$$

$$\sigma_e^2 = KT \text{ galat}$$

$$= 0,04$$

$$\sigma_f^2 = \sigma_g^2 + \sigma_e^2$$

$$= 0,27 + 0,04$$

$$= 0,31$$

$$KKF = \frac{\sqrt{0,31}}{2,56} \times 100\%$$

$$= 21,77 \%$$

$$KKG = \frac{\sqrt{0,27}}{2,56} \times 100\%$$

$$= 20,16 \%$$

$$h^2 = \frac{0,27}{0,27 + 0,04}$$

$$= 0,86$$

10. Diameter Kelobot

Tabel Anova

Sumber Ragam	Jumlah Kuadrat	Derajat Bebas	Kuadrat Tengah	F	ProbF
Ulangan	6,38	2,00	3,19		
Aksesi	2404,65	33,00	72,87	58,94	0,00 **
Galat	81,60	66,00	1,24		
Total	2492,63	101,00			
FK	37233,36				
CV	5,82				

$$\sigma_g^2 = \frac{KT \text{ genotip} - KT \text{ galat}}{r}$$

$$= \frac{72,87 - 1,24}{3}$$

$$= 23,88$$

$$\sigma_e^2 = KT \text{ galat}$$

$$= 1,24$$

$$\sigma_f^2 = \sigma_g^2 + \sigma_e^2$$

$$= 23,88 + 1,24$$

$$= 25,11$$

$$KKF = \frac{\sqrt{25,11}}{19,11} \times 100\%$$

$$= 26,23 \%$$

$$KKG = \frac{\sqrt{23,88}}{19,11} \times 100\%$$

$$= 25,58 \%$$

$$h^2 = \frac{23,88}{23,88 + 1,24}$$

$$= 0,95$$

11. Panjang Buah

Tabel Anova

Sumber Ragam	Jumlah Kuadrat	Derajat Bebas	Kuadrat Tengah	F	ProbF
Ulangan	0,01	2,00	0,00		
Aksesi	12,36	33,00	0,37	18,31	0,00 **
Galat	1,35	66,00	0,02		
Total	13,72	101,00			
FK	337,35				
CV	7,86				

$$\sigma_g^2 = \frac{KT \text{ genotip} - KT \text{ galat}}{r}$$

$$= \frac{0,37 - 0,02}{3}$$

$$= 0,12$$

$$\sigma_e^2 = KT \text{ galat}$$

$$= 0,02$$

$$\sigma_f^2 = \sigma_g^2 + \sigma_e^2$$

$$= 0,12 + 0,02$$

$$= 0,14$$

$$KKF = \frac{\sqrt{0,14}}{1,82} \times 100\%$$

$$= 20,46 \%$$

$$KKG = \frac{\sqrt{0,13}}{1,82} \times 100\%$$

$$= 18,89 \%$$

$$h^2 = \frac{0,12}{0,12 + 0,02}$$

$$= 0,85$$

12. Diameter Buah

Tabel Anova

Sumber Ragam	Jumlah Kuadrat	Derajat Bebas	Kuadrat Tengah	F	ProbF
Ulangan	3,56	2,00	1,78		
Aksesi	1601,43	33,00	48,53	29,19	0,00 **
Galat	109,72	66,00	1,66		
Total	1714,72	101,00			
FK	27790,47				
CV	7,81				

$$\sigma_g^2 = \frac{KT \text{ genotip} - KT \text{ galat}}{r}$$

$$= \frac{48,53 - 1,66}{3}$$

$$= 15,62$$

$$\sigma_e^2 = KT \text{ galat}$$

$$= 1,66$$

$$\sigma_f^2 = \sigma_g^2 + \sigma_e^2$$

$$= 15,62 + 1,66$$

$$= 17,28$$

$$KKF = \frac{\sqrt{17,28}}{16,51} \times 100\%$$

$$= 25,19 \%$$

$$KKG = \frac{\sqrt{15,62}}{16,51} \times 100\%$$

$$= 23,95 \%$$

$$h^2 = \frac{15,62}{15,62 + 1,66}$$

$$= 0,90$$

13. Bobot per Buah tanpa Kelobot

Tabel Anova

Sumber Ragam	Jumlah Kuadrat	Derajat Bebas	Kuadrat Tengah	F	ProbF
Ulangan	0,12	2,00	0,06		
Aksesi	451,93	33,00	13,69	652,77	0,00 **
Galat	1,38	66,00	0,02		
Total	453,43	101,00			
FK	833,89				
CV	5,07				

$$\sigma_g^2 = \frac{KT \text{ genotip} - KT \text{ galat}}{r}$$

$$= \frac{13,69 - 0,02}{3}$$

$$= 4,56$$

$$\sigma_e^2 = KT \text{ galat}$$

$$= 0,02$$

$$\sigma_f^2 = \sigma_g^2 + \sigma_e^2$$

$$= 4,56 + 0,02$$

$$= 4,58$$

$$KKF = \frac{\sqrt{4,58}}{2,86} \times 100\%$$

$$= 74,84 \%$$

$$KKG = \frac{\sqrt{4,56}}{2,86} \times 100\%$$

$$= 74,67 \%$$

$$h^2 = \frac{4,56}{4,56 + 0,02}$$

$$= 0,99$$

14. Bobot per Buah dengan Kelobot

Tabel Anova

Sumber Ragam	Jumlah Kuadrat	Derajat Bebas	Kuadrat Tengah	F	ProbF
Ulangan	0,15	2,00	0,08		
Aksesi	471,49	33,00	14,29	589,57	0,00 **
Galat	1,60	66,00	0,02		
Total	473,24	101,00			
FK	953,93				
CV	5,09				

$$\sigma_g^2 = \frac{KT \text{ genotip} - KT \text{ galat}}{r}$$

$$= \frac{14,29 - 0,02}{3}$$

$$= 4,75$$

$$\sigma_e^2 = KT \text{ galat}$$

$$= 0,02$$

$$\sigma_f^2 = \sigma_g^2 + \sigma_e^2$$

$$= 4,75 + 0,02$$

$$= 4,78$$

$$KKF = \frac{\sqrt{4,78}}{2,86} \times 100\%$$

$$= 71,48 \%$$

$$KKG = \frac{\sqrt{4,75}}{2,86} \times 100\%$$

$$= 71,30 \%$$

$$h^2 = \frac{4,75}{4,75 + 0,02}$$

$$= 0,99$$

15. Bobot Buah per Tanaman

Tabel Anova

Sumber Ragam	Jumlah Kuadrat	Derajat Bebas	Kuadrat Tengah	F	ProbF
Ulangan	2324,00	2,00	1162,00		
Aksesi	2014103,90	33,00	61033,45	47,93	0,00 **
Galat	84050,78	66,00	1273,50		
Total	2100478,67	101,00			
FK	3042434,20				
CV	20,66				

$$\sigma_g^2 = \frac{KT \text{ genotip} - KT \text{ galat}}{r}$$

$$= \frac{61033,45 - 1273,50}{3}$$

$$= 19919,98$$

$$\sigma_e^2 = KT \text{ galat}$$

$$= 1273,50$$

$$\sigma_f^2 = \sigma_g^2 + \sigma_e^2$$

$$= 19919,98 + 1273,50$$

$$= 21193,48$$

$$KKF = \frac{\sqrt{21193,48}}{172,71} \times 100\%$$

$$= 84,29 \%$$

$$KKG = \frac{\sqrt{19919,98}}{172,71} \times 100\%$$

$$= 81,72 \%$$

$$h^2 = \frac{19919,98}{19919,98 + 1273,50}$$

$$= 0,94$$

16. Bobot Buah Segar per Tanaman

Tabel Anova

Sumber Ragam	Jumlah Kuadrat	Derajat Bebas	Kuadrat Tengah	F	ProbF
Ulangan	474,89	2,00	237,45		
Aksesi	1664995,45	33,00	50454,41	43,75	0,00 **
Galat	76121,43	66,00	1153,36		
Total	1741591,77	101,00			
FK	2310573,43				
CV	22,56				

$$\sigma_g^2 = \frac{KT \text{ genotip} - KT \text{ galat}}{r}$$

$$= \frac{50454,41 - 1153,36}{3}$$

$$= 16433,68$$

$$\sigma_e^2 = KT \text{ galat}$$

$$= 1153,36$$

$$\sigma_f^2 = \sigma_g^2 + \sigma_e^2$$

$$= 16433,68 + 1153,36$$

$$= 17587,04$$

$$KKF = \frac{\sqrt{17587,04}}{150,51} \times 100\%$$

$$= 88,11 \%$$

$$KKG = \frac{\sqrt{16433,68}}{150,51} \times 100\%$$

$$= 85,17 \%$$

$$h^2 = \frac{16433,68}{16433,68 + 1153,36}$$

$$= 0,93$$

17. Level Kemanisan

Tabel Anova

Sumber Ragam	Jumlah Kuadrat	Derajat Bebas	Kuadrat Tengah	F	ProbF
Ulangan	0,20	2,00	0,10		
Akresi	164,26	33,00	4,98	26,01	0,00 **
Galat	12,63	66,00	0,19		
Total	177,08	101,00			
FK	16099,53				
CV	3,48				

$$\sigma_g^2 = \frac{KT \text{ genotip} - KT \text{ galat}}{r}$$

$$= \frac{4,98 - 0,19}{3}$$

$$= 1,60$$

$$\sigma_e^2 = KT \text{ galat}$$

$$= 0,19$$

$$\sigma_f^2 = \sigma_g^2 + \sigma_e^2$$

$$= 1,60 + 0,19$$

$$= 1,79$$

$$KKF = \frac{\sqrt{1,79}}{12,56} \times 100\%$$

$$= 10,64 \%$$

$$KKG = \frac{\sqrt{1,60}}{12,56} \times 100\%$$

$$= 10,05 \%$$

$$h^2 = \frac{1,60}{1,60 + 0,19}$$

$$= 0,89$$

Lampiran 6. Perhitungan Pupuk

1. Dosis rekomendasi pupuk kandang

$$\begin{aligned}
 \text{Dosis rekomendasi} &= 150 \text{ kg ha}^{-1} \\
 \text{Luas lahan} &= 240 \text{ m}^2 \\
 \text{Populasi} &= 420 \text{ tanaman} \\
 \text{Kebutuhan pupuk per luasan} &= \frac{\text{Luas lahan}}{1 \text{ ha}} \times 150 \\
 &= \frac{240}{10.000} \times 150 \\
 &= 6 \text{ kg}
 \end{aligned}$$

2. Dosis rekomendasi pupuk urea

$$\begin{aligned}
 \text{Dosis rekomendasi} &= 120 \text{ kg ha}^{-1} \\
 \text{Luas lahan} &= 240 \text{ m}^2 \\
 \text{Populasi} &= 420 \text{ tanaman} \\
 \text{Kebutuhan pupuk per luasan} &= \frac{\text{Luas lahan}}{1 \text{ ha}} \times 120 \\
 &= \frac{240}{10.000} \times 120 \\
 &= 2,88 \text{ kg} \\
 \text{Kebutuhan pupuk per tanaman} &= \frac{\text{Kebutuhan pupuk per petak}}{\text{Jumlah tanaman}} \\
 &= \frac{2,88}{420} \\
 &= 0,007 \text{ kg/tan} \\
 &= 0,7 \text{ gram/tanaman}
 \end{aligned}$$

3. Dosis rekomendasi pupuk SP-36

$$\begin{aligned}
 \text{Dosis rekomendasi} &= 300 \text{ kg ha}^{-1} \\
 \text{Luas lahan} &= 240 \text{ m}^2 \\
 \text{Populasi} &= 420 \text{ tanaman} \\
 \text{Kebutuhan pupuk per luasan} &= \frac{\text{Luas lahan}}{1 \text{ ha}} \times 300 \\
 &= \frac{240}{10.000} \times 300 \\
 &= 7,2 \text{ kg}
 \end{aligned}$$

$$\begin{aligned}
 \text{Kebutuhan pupuk per tanaman} &= \frac{\text{Kebutuhan pupuk per petak}}{\text{Jumlah tanaman}} \\
 &= \frac{7,2}{420} \\
 &= 0,02 \text{ kg/tan} \\
 &= 2 \text{ gram/tanaman}
 \end{aligned}$$

4. Dosis rekomendasi pupuk KCL

$$\text{Dosis rekomendasi} = 200 \text{ kg ha}^{-1}$$

$$\text{Luas lahan} = 240 \text{ m}^2$$

$$\text{Populasi} = 420 \text{ tanaman}$$

$$\begin{aligned}
 \text{Kebutuhan pupuk per luasan} &= \frac{\text{Luas lahan}}{1 \text{ ha}} \times 200 \\
 &= \frac{240}{10.000} \times 200 \\
 &= 4,8 \text{ kg}
 \end{aligned}$$

$$\begin{aligned}
 \text{Kebutuhan pupuk per tanaman} &= \frac{\text{Kebutuhan pupuk per petak}}{\text{Jumlah tanaman}} \\
 &= \frac{4,8}{420} \\
 &= 0,011 \text{ kg/tan} \\
 &= 1,1 \text{ gram/tanaman}
 \end{aligned}$$