

Lampiran 7. Hasil Analisis Sidik Ragam dengan Program GenStat 14

7.1. ANOVA PERTUMBUHAN TANAMAN

7.1.1. Tinggi Tanaman

Anova 35 HST

SK	db	JK	KT	F hitung	F Tabel
Perlakuan	6	689.61	114.94	3.72	0.025
Ulangan	2	78.71	39.36	1.27	0.315
Residual	12	370.85	30.90		
Total	20	1139.18			

Anova 45 HST

SK	db	JK	KT	F hitung	F Tabel
Perlakuan	6	2625.74	437.62	12.71	<.001
Ulangan	2	62.57	31.29	0.91	0.429
Residual	12	413.31	34.44		
Total	20	3101.62			

Anova 55 HST

SK	db	JK	KT	F hitung	F Tabel
Perlakuan	6	4557.71	759.62	10.17	<.001
Ulangan	2	108.56	54.28	0.73	0.504
Residual	12	896.49	74.71		
Total	20	5562.77			

Anova 65 HST

SK	db	JK	KT	F hitung	F Tabel
Perlakuan	6	6166.53	1027.76	12.75	<.001
Ulangan	2	44.79	22.40	0.28	0.762
Residual	12	967.45	80.62		
Total	20	7178.77			

7.1.2. Jumlah Daun

Anova 35 HST

SK	db	JK	KT	F hitung	F Tabel
Perlakuan	6	783.64	130.61	4.70	0.011
Ulangan	2	50.88	25.44	0.92	0.426
Residual	12	333.33	27.78		
Total	20	1167.85			

Anova 45 HST

SK	db	JK	KT	F hitung	F Tabel
Perlakuan	6	1055.07	175.85	5.61	0.006
Ulangan	2	29.07	14.53	0.46	0.640
Residual	12	375.86	31.32		
Total	20	1460.00			

Anova 55 HST

SK	db	JK	KT	F hitung	F Tabel
Perlakuan	6	1257.25	209.54	5.83	0.005
Ulangan	2	39.70	19.85	0.55	0.590
Residual	12	431.23	35.94		
Total	20	1728.18			

Anova 65 HST

SK	db	JK	KT	F hitung	F Tabel
Perlakuan	6	1400.21	233.37	5.70	0.005
Ulangan	2	19.94	9.97	0.24	0.788
Residual	12	491.61	40.97		
Total	20	1911.76			

7.1.3. Diameter Batang**Anova 35 HST**

SK	db	JK	KT	F hitung	F Tabel
Perlakuan	6	53.572	8.929	7.64	0.002
Ulangan	2	0.348	0.174	0.15	0.863
Residual	12	14.029	1.169		
Total	20	67.949			

Anova 45 HST

SK	db	JK	KT	F hitung	F Tabel
Perlakuan	6	58.3457	9.7243	9.97	<.001
Ulangan	2	0.0405	0.0202	0.02	0.979
Residual	12	11.7023	0.9752		
Total	20	70.0885			

Anova 55 HST

SK	db	JK	KT	F hitung	F Tabel
Perlakuan	6	63.126	10.521	7.89	0.001
Ulangan	2	0.044	0.022	0.02	0.984
Residual	12	16.008	1.334		
Total	20	79.178			

Anova 65 HST

SK	db	JK	KT	F hitung	F Tabel
Perlakuan	6	68.901	11.484	9.11	<.001
Ulangan	2	0.066	0.033	0.03	0.974
Residual	12	15.130	1.261		
Total	20	84.098			

7.1.4. Berat Kering

Anova 35 HST

SK	db	JK	KT	F hitung	F Tabel
Perlakuan	6	35.3386	5.8898	8.63	<.001
Ulangan	2	4.5914	2.2957	3.36	0.069
Residual	12	8.1923	0.6827		
Total	20	48.1223			

Anova 65 HST

SK	db	JK	KT	F hitung	F Tabel
Perlakuan	6	211.399	35.233	14.55	<.001
Ulangan	2	0.822	0.411	0.17	0.846
Residual	12	29.050	2.421		
Total	20	241.271			

7.1.5. Luas Daun

Anova 35 HST

SK	db	JK	KT	F hitung	F Tabel
Perlakuan	6	1580106.	263351.	6.75	0.003
Ulangan	2	396156.	198078.	5.08	0.025
Residual	12	468321.	39027.		
Total	20	2444583.			

Anova 65 HST

SK	db	JK	KT	F hitung	F Tabel
Perlakuan	6	6326681.	1054447.	25.34	<.001
Ulangan	2	199819.	99910.	2.40	0.133
Residual	12	499321.	41610.		
Total	20	7025821.			

7.2. ANOVA ANALISIS PERTUMBUHAN TANAMAN

7.2.1. Laju Pertumbuhan Relatif Tanaman (*Relative Growth Rate*)

Anova RGR (35-65)

SK	db	JK	KT	F hitung	F Tabel
Perlakuan	6	0.095103	0.015851	4.57	0.012
Ulangan	2	0.010311	0.005156	1.49	0.265
Residual	12	0.041587	0.003466		
Total	20	0.147002			

7.2.2. Laju Pertumbuhan Asimilasi Bersih (*Net Assimilation Rate*)

Anova NAR (35-65)

SK	db	JK	KT	F hitung	F Tabel
Perlakuan	6	0.0154534	0.0025756	4.74	0.011
Ulangan	2	0.0006082	0.0003041	0.56	0.586
Residual	12	0.0065250	0.0005438		
Total	20	0.0225866			

7.3. ANOVA PANEN

7.3.1. Berat Umbi

Anova 91 HST

SK	db	JK	KT	F hitung	F Tabel
Perlakuan	6	1290.944	215.157	32.58	<.001
Ulangan	2	10.391	5.195	0.79	0.477
Residual	12	79.252	6.604		
Total	20	1380.586			

7.3.2. Diameter Umbi

Anova 91 HST

SK	db	JK	KT	F hitung	F Tabel
Perlakuan	6	249.39	41.57	0.86	0.549
Ulangan	2	7.84	3.92	0.08	0.922
Residual	12	578.65	48.22		
Total	20	835.88			

7.3.3. Jumlah Umbi

Anova 91 HST

SK	db	JK	KT	F hitung	F Tabel
Perlakuan	6	14.220	2.370	0.65	0.687
Ulangan	2	8.435	4.217	1.16	0.345
Residual	12	43.473	3.623		
Total	20	66.127			

7.3.4. Ratio Kualitas Umbi

Anova 91 HST

SK	db	JK	KT	F hitung	F Tabel
Perlakuan	6	0.412495	0.068749	10.62	<.001
Ulangan	2	0.002442	0.001221	0.19	0.830
Residual	12	0.077665	0.006472		
Total	20	0.492602			

7.3.5. Gradding

Anova Grade A

SK	db	JK	KT	F hitung	F Tabel
Perlakuan	6	76.5714	12.7619	20.62	<.001
Ulangan	2	1.2381	0.6190	1.00	0.397
Residual	12	7.4286	0.6190		
Total	20	85.2381			

Anova Grade B

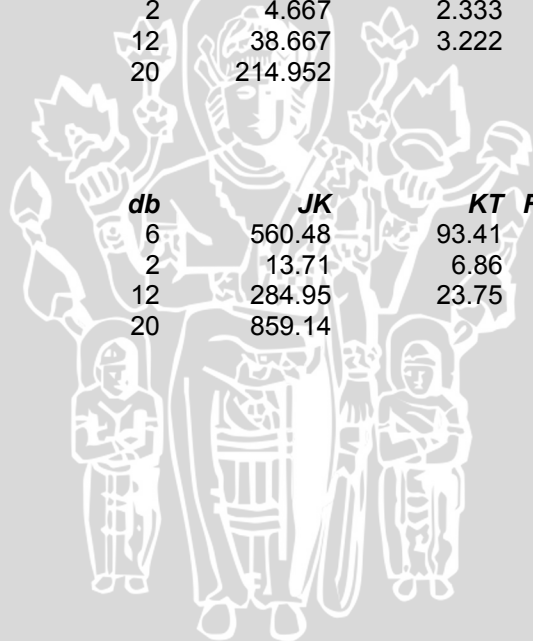
SK	db	JK	KT	F hitung	F Tabel
Perlakuan	6	9.9048	1.6508	2.08	0.132
Ulangan	2	1.1429	0.5714	0.72	0.507
Residual	12	9.5238	0.7937		
Total	20	20.5714			

Anova Grade C

SK	db	JK	KT	F hitung	F Tabel
Perlakuan	6	171.619	28.603	8.88	<.001
Ulangan	2	4.667	2.333	0.72	0.505
Residual	12	38.667	3.222		
Total	20	214.952			

Anova Grade D

SK	db	JK	KT	F hitung	F Tabel
Perlakuan	6	560.48	93.41	3.93	0.021
Ulangan	2	13.71	6.86	0.29	0.754
Residual	12	284.95	23.75		
Total	20	859.14			



Lampiran 8. Korelasi antar Faktor Pertumbuhan dan Produksi Tanaman

	T35	T45	T55	T65	JD35	JD45	JD55	JD65	DB35	DB45	DB55	DB65	LD35	LD65	BK35	BK65	DU91	JU91	BU91	RKU	RGR(1-3)	NAR(1-3)
T35	1																					
T45	0.699**	1																				
T55	0.795**	0.945**	1																			
T65	0.766**	0.940**	0.981**	1																		
JD35	0.853**	0.470*	0.648**	0.572**	1																	
JD45	0.848**	0.504*	0.645**	0.581**	0.973**	1																
JD55	0.837**	0.530*	0.644**	0.585**	0.949**	0.991**	1															
JD65	0.880**	0.604**	0.731**	0.671**	0.950**	0.984**	0.981**	1														
DB35	0.674**	0.830**	0.861**	0.826**	0.579**	0.634**	0.641**	0.710**	1													
DB45	0.712**	0.833**	0.863**	0.842**	0.585**	0.648**	0.652**	0.712**	0.958**	1												
DB55	0.758**	0.762**	0.829**	0.827**	0.643**	0.706**	0.703**	0.749**	0.859**	0.957**	1											
DB65	0.778**	0.781**	0.853**	0.853**	0.659**	0.715**	0.710**	0.763**	0.861**	0.953**	0.994**	1										
LD35	0.196	0.177	0.261	0.295	0.374	0.426	0.439*	0.448*	0.248	0.195	0.229	0.293	1									
LD65	0.585**	0.350	0.451*	0.45*	0.745**	0.785**	0.783**	0.749**	0.435*	0.489*	0.574**	0.606**	0.689**	1								
BK35	0.459*	0.434*	0.506*	0.536*	0.513*	0.547*	0.566**	0.606**	0.414	0.350	0.376	0.437*	0.909**	0.668**	1							
BK65	0.616**	0.414	0.561**	0.547*	0.762**	0.782**	0.768**	0.773**	0.516*	0.536*	0.615**	0.659**	0.726**	0.924**	0.729**	1						
DU91	0.566**	0.362	0.424	0.390	0.584**	0.590**	0.593**	0.597**	0.256	0.282	0.382	0.389	0.242	0.372	0.471*	0.385	1					
JU91	0.451*	0.216	0.299	0.240	0.488*	0.500*	0.505*	0.495*	0.202	0.293	0.393	0.400	0.136	0.334	0.229	0.403	0.727**	1				
BU91	0.613**	0.341	0.480*	0.487*	0.734**	0.757**	0.757**	0.747**	0.464*	0.435*	0.501*	0.553**	0.751**	0.837**	0.783**	0.900**	0.489*	0.488*	1			
RKU	0.515*	0.301	0.432*	0.445*	0.630**	0.658**	0.655**	0.650**	0.487*	0.450*	0.476*	0.532*	0.739**	0.800**	0.690**	0.867**	0.177	0.314	0.938**	1		
RGR(1-3)	0.549*	0.286	0.440*	0.404	0.709**	0.714**	0.683**	0.664**	0.435*	0.501*	0.594**	0.618**	0.420	0.838**	0.369	0.905**	0.226	0.398	0.734**	0.747**	1	
NAR(1-3)	0.139	0.111	0.289	0.284	0.321	0.323	0.304	0.356	0.286	0.204	0.229	0.282	0.731**	0.394	0.634**	0.663**	0.107	0.244	0.648**	0.689**	0.503*	1

Keterangan :

* = Berbeda nyata pada taraf 0.05

** = Berbeda sangat nyata pada taraf 0.01