

LAMPIRAN

Lampiran 1. Tinggi Tanaman Rosella (Cm) Umur 2 MST

Perlakuan	Ulangan			Total	Rata-Rata
	I	II	III		
A0N0	15.00	19.00	17.00	51.00	17.00
A0N1	16.00	17.00	16.00	49.00	16.33
A0N2	14.00	19.00	19.00	52.00	17.33
A1N0	19.00	18.00	22.00	59.00	19.67
A1N1	21.00	20.00	18.00	59.00	19.67
A1N2	23.00	18.00	20.00	61.00	20.33
A2N0	19.00	22.00	16.00	57.00	19.00
A2N1	20.00	20.00	18.00	58.00	19.33
A2N2	24.00	20.00	19.00	63.00	21.00
Total	171.00	173.00	165.00	509.00	18.85

Tabel dua arah

	A0	A1	A2	Total	Rata-Rata
N0	51.00	59.00	57.00	167.00	18.56
N1	49.00	59.00	58.00	166.00	18.44
N2	52.00	61.00	63.00	176.00	19.56
Total	152.00	179.00	178.00		
Rata-Rata	16.89	19.78	19.89		

FK 9595.59

Daftar Sidik Ragam (Anova) Tinggi Tanaman Rosella 2 MST

Sk	Db	Jk	Kt	F Hitung	F Tabel		Ket
					5%	1%	
Kelompok	2	3.85	1.93	0.38	3.63	6.23	tn
A	2	52.07	26.04	5.07	3.63	6.23	*
N	2	6.74	3.37	0.66	3.63	6.23	tn
AN	4	2.59	0.65	0.13	3.01	4.77	tn
Galat	16	82.15	5.13				
Total	26	147.41					
				12.02%			
KK							

Keterangan:

tn = Berbeda tidak nyata

* = Berbeda nyata
 ** = Berbeda sangat nyata

Uji Duncan Faktor A		
Sd	0.76	
	2	3
Duncan Tabel	3.00	3.14
Duncan Hitung	2.26	2.37

Perlakuan	Rata-Rata	Notasi	Duncan+Rata-Rata
A0	16.89	a	19.15
A2	19.78	b	22.15
A1	19.89	b	

Uji Duncan Faktor N		
Sd	0.76	
	2	3
Duncan Tabel	2.998	3.144
Duncan Hitung	2.26	2.37

Perlakuan	Rata-Rata	Notasi	Duncan+Rata-Rata
N1	18.44	a	20.71
N0	18.56	a	
N2	19.56	a	

Uji Duncan Interaksi								
Sd	1.31							
	2	3	4	5	6	7	8	9
Duncan Tabel	3.00	3.14	3.24	3.30	3.34	3.38	3.40	3.42
Duncan Hitung	3.92	4.11	4.23	4.31	4.37	4.42	4.45	4.48

Perlakuan	Rata-Rata	Notasi	Duncan+Rata-Rata
A0N1	16.33	a	20.26
A0N0	17.00	a	
A0N2	17.33	a	
A2N0	19.00	a	
A2N1	19.33	a	
A1N0	19.67	a	

A1N1	19.67	a
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A1N2	20.33	a
A2N2	21.00	a

Lampiran 2. Tinggi Tanaman Rosella (Cm) Umur 4 MST

Perlakuan	Ulangan			Total	Rata-Rata
	I	II	III		
A0N0	29.00	31.00	31.00	91.00	30.33
A0N1	30.00	30.00	31.00	91.00	30.33
A0N2	30.00	37.00	31.00	98.00	32.67
A1N0	39.00	34.00	31.00	104.00	34.67
A1N1	42.00	44.00	35.00	121.00	40.33
A1N2	42.00	37.00	41.00	120.00	40.00
A2N0	40.00	40.00	32.00	112.00	37.33
A2N1	41.00	41.00	33.00	115.00	38.33
A2N2	47.00	40.00	43.00	130.00	43.33
Total	340.00	334.00	308.00	982.00	36.37

Tabel dua arah

	A0	A1	A2	Total	Rata-Rata
N0	91.00	104.00	112.00	307.00	34.11
N1	91.00	121.00	115.00	327.00	36.33
N2	98.00	120.00	130.00	348.00	38.67
Total	280.00	345.00	357.00		
Rata-Rata	31.11	38.33	39.67		

FK 35715.70

Daftar Sidik Ragam (Anova) Tinggi Tanaman Rosella 4 MST

Sk	Db	Jk	Kt	F Hitung	F Tabel		Ket
					5%	1%	
Kelompok	2	64.30	32.15	3.04	3.63	6.23	tn
A	2	381.41	190.70	18.05	3.63	6.23	**
N	2	93.41	46.70	4.42	3.63	6.23	*
AN	4	40.15	10.04	0.95	3.01	4.77	tn
Galat	16	169.04	10.56				
Total	26	748.30					
KK				8.94%			

Keterangan:

tn = Berbeda tidak nyata

* = Berbeda nyata

** = Berbeda sangat nyata

Uji Duncan Faktor A		
Sd	1.08	
	2	3
Duncan Tabel	3.00	3.14
Duncan Hitung	3.25	3.41

Perlakuan	Rata-Rata	Notasi	Duncan+Rata-Rata
A0	31.11		34.36
A1	38.33		41.74
A2	39.67		

Uji Duncan Faktor N		
Sd	1.08	
	2	3
Duncan Tabel	3.00	3.14
Duncan Hitung	3.25	3.41

Perlakuan	Rata-Rata	Notasi	Duncan+Rata-Rata
N0	34.11	a	37.36
N1	36.33	b	39.74
N2	38.67	b	

Uji Duncan Interaksi								
Sd	1.88							
	2	3	4	5	6	7	8	9
Duncan Tabel	3.00	3.14	3.24	3.30	3.34	3.38	3.40	3.42
Duncan Hitung	5.63	5.90	6.07	6.19	6.27	6.34	6.38	6.42

Perlakuan	Rata-Rata	Notasi	Duncan+Rata-Rata
A0N0	30.33		35.96
A0N1	30.33		
A0N2	32.67		
A1N0	34.67		
A2N0	37.33	a	
A2N1	38.33		

A1N2	40.00	a
A1N1	40.33	a
A2N2	43.33	a

Lampiran 3. Tinggi Tanaman Rosella (Cm) Umur 6 MST

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Perlakuan	Ulangan			Total	Rata-Rata
	I	II	III		
A0N0	39.00	55.00	47.00	141.00	47.00
A0N1	45.00	41.00	47.00	133.00	44.33
A0N2	40.00		42.00	130.00	43.33
A1N0	52.00		59.00	153.00	51.00
A1N1	50.00		44.00	157.00	52.33
A1N2	57.00		58.00	161.00	53.67
A2N0	55.00		44.00	151.00	50.33
A2N1	56.00		45.00	153.00	51.00
A2N2	65.00		57.00	174.00	58.00
Total	459.00		443.00	1353.00	50.11

Tabel dua arah

	A0	A1	A2	Total	Rata-Rata
N0	141.00	153.00	151.00	445.00	49.44
N1	133.00	157.00	153.00	443.00	49.22
N2	130.00	161.00	174.00	465.00	51.67
Total	404.00	471.00	478.00		
Rata-Rata	44.89	52.33	53.11		

FK 67800.33

Daftar Sidik Ragam (Anova) Tinggi Tanaman Rosella 6 MST

Sk	Db	Jk	Kt	F Hitung	F Tabel		Ket
					5%	1%	
Kelompok	2	14.22	7.11	0.14	3.63	6.23	tn
A	2	370.89	185.44	3.69	3.63	6.23	*
N	2	32.89	16.44	0.33	3.63	6.23	tn
AN	4	107.56	26.89	0.54	3.01	4.77	tn
Galat	16	803.11	50.19				
Total	26	1328.67					
KK				14.14%			

tn = Berbeda tidak nyata
 * = Berbeda nyata
 ** = Berbeda sangat nyata

Uji Duncan Faktor A			xxii i
Sd	2.36		
	2	3	
Duncan Tabel	3.00	3.14	
Duncan Hitung	7.08	7.42	

Perlakuan	Rata-Rata	Duncan+Rata-Rata
A0	44.89	51.97
A1	52.33	59.76
A2	53.11	

Uji Duncan Faktor N		
Sd	2.36	
	2	3
Duncan Tabel	3.00	3.14
Duncan Hitung	7.08	7.42

Perlakuan	Rata-Rata	Notasi	Duncan+Rata-Rata
N1	49.22	a	56.30
N0	49.44	a	
N2	51.67	a	

Uji Duncan Interaksi									
Sd	4.09								
	2	3	4	5	6	7	8	9	
Duncan Tabel	3.00	3.14	3.24	3.30	3.34	3.38	3.40	3.42	
Duncan Hitung	12.26	12.86	13.23	13.49	13.67	13.81	13.92	14.00	

Perlakuan	Rata-Rata	Duncan+Rata-Rata
A0N2	43.33	55.60
A0N1	44.33	
A0N0	47.00	

A2N0	50.33	a
A1N0	51.00	a
A2N1	51.00	a
A1N1	52.33	a
A1N2	53.67	a
A2N2	58.00	a

Lampiran 4. Jumlah Daun (Helai) Tanaman Rosella Umur 2 MST

Perlakuan	Ulangan			Total	Rata-Rata
	I	II	III		
A0N0	7.00	8.00	8.00	23.00	7.67
A0N1	9.00	8.00	8.00	25.00	8.33
A0N2	8.00	9.00	8.00	25.00	8.33
A1N0	9.00	10.00	10.00	29.00	9.67
A1N1	9.00	10.00	8.00	27.00	9.00
A1N2	9.00	9.00	11.00	29.00	9.67
A2N0	10.00	10.00	9.00	29.00	9.67
A2N1	10.00	10.00	9.00	29.00	9.67
A2N2	11.00	13.00	10.00	34.00	11.33
Total	82.00	87.00	81.00	250.00	9.26

Tabel dua arah

	A0	A1	A2	Total	Rata-Rata
N0	23.00	29.00	29.00	81.00	9.00
N1	25.00	27.00	29.00	81.00	9.00
N2	25.00	29.00	34.00	88.00	9.78
Total	73.00	85.00	92.00		
Rata-Rata	8.11	9.44	10.22		

FK 2314.81

Daftar Sidik Ragam (Anova) Jumlah Daun Tanaman Rosella 2 MST

Sk	Db	Jk	Kt	F Hitung	F Tabel		Ket
					5%	1%	
Kelompok	2	2.30	1.15	1.66	3.63	6.23	tn
A	2	20.52	10.26	14.87	3.63	6.23	**
N	2	3.63	1.81	2.63	3.63	6.23	tn
AN	4	3.70	0.93	1.34	3.01	4.77	tn
Galat	16	11.04	0.69				
Total	26	41.19					

KK	8.97%
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Keterangan:

tn = Berbeda tidak nyata

* = Berbeda nyata

** = Berbeda sangat nyata

Uji Duncan Faktor A		
Sd	0.28	
	2	3
Duncan Tabel	3.00	3.14
Duncan Hitung	0.83	0.87

Perlakuan	Rata-Rata	Duncan+Rata-Rata
A0	8.11	8.94
A1	9.44	10.31
A2	10.22	

Uji Duncan Faktor N		
Sd	0.28	
	2	3
Duncan Tabel	3.00	3.14
Duncan Hitung	0.83	0.87

Perlakuan	Rata-Rata	Notasi	Duncan+Rata-Rata
N0	9.00	a	9.83
N1	9.00	a	
N2	9.78	a	

Uji Duncan Interaksi									
Sd	0.48								
	2	3	4	5	6	7	8	9	
Duncan Tabel	3.00	3.14	3.24	3.30	3.34	3.38	3.40	3.42	
Duncan Hitung	1.44	1.51	1.55	1.58	1.60	1.62	1.63	1.64	

Perlakuan	Rata-	Duncan+Rata-
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	Rata		Rata
A0N0	7.67	a	9.10
A0N1	8.33	a	
A0N2	8.33	a	
A1N1	9.00	a	
A1N0	9.67	a	
A1N2	9.67	a	
A2N0	9.67	a	
A2N1	9.67	a	
A2N2	11.33	a	

Lampiran 5. Jumlah Daun (Helai) Tanaman Rosella Umur 4 MST

Perlakuan	Ulangan			Total	Rata-Rata
	I	II	III		
A0N0	25.00	30.00	35.00	90.00	30,00
A0N1	27.00	37.00	36.00	100.00	33,33
A0N2	29.00	38.00	29.00	96.00	32,00
A1N0	49.00	57.00	51.00	157.00	52,33
A1N1	50.00	72.00	57.00	179.00	59,67
A1N2	46.00	38.00	66.00	150.00	50,00
A2N0	58.00	55.00	46.00	159.00	53,00
A2N1	49.00	60.00	53.00	162.00	54,00
A2N2	58.00	73.00	58.00	189.00	63,00
Total	391.00	460.00	431.00	1282.00	47,48
	0				

Tabel dua arah

	A0	A1	A2	Total	Rata-Rata
N0	90.00	157.00	159.00	406.00	45.11
N1	100.00	179.00	162.00	441.00	49.00
N2	96.00	150.00	189.00	435.00	48.33
Total	286.00	486.00	510.00		
Rata-Rata	31.78	54.00	56.67		

FK 60871.26

Daftar Sidik Ragam (Anova) Jumlah Daun Tanaman Rosella 4 MST

Berkas Statistik Ragam (Anova) Sajian Daun Pakan Ikan Kucing + MS1							
Sk	Db		Kt	F			Ket
				Hitung	5%	1%	
Kelompok	2		133.37	2.39	3.63	6.23	tn
A	2	3361.19	1680.59	30.17	3.63	6.23	**
N	2	77.85	38.93	0.70	3.63	6.23	tn
AN	4		68.43	1.23	3.01	4.77	tn

Galat	16	891.26	55.70	
Total	26	4870.74		
KK				15.72%

Keterangan:

tn = Berbeda tidak nyata

* = Berbeda nyata

** = Berbeda sangat nyata

Uji Duncan

Faktor A

Sd	2.49		
	2	3	
Duncan Tabel	3.00	3.14	
Duncan Hitung	7.46	7.82	
Perlakuan	Rata-Rata	Notasi	Duncan+Rata-Rata
A0	31.78	a	39.24
A1	54.00	b	61.82
A2	56.67	b	

Uji Duncan

Faktor N

Sd	2.49	
	2	3
Duncan Tabel	3.00	3.14
Duncan Hitung	7.46	7.82

Perlakuan	Rata-Rata	Notasi	Duncan+Rata-Rata
N0	45.11	a	52.57
N2	48.33	a	
N1	49.00	a	

Uji Duncan

Interaksi

Sd	4.31							
	2	3	4	5	6	7	8	9
Duncan Tabel	3.00	3.14	3.24	3.30	3.34	3.38	3.40	3.42
Duncan Hitung	12.92	13.55	13.94	14.21	14.41	14.55	14.66	14.75

Perlakuan	Rata-Rata	Notasi	Duncan+Rata-Rata
A0N0	30.00	a	42.92
A0N2	32.00	a	
A0N1	33.33	a	
A1N2	50.00	a	
A1N0	52.33	a	
A2N0	53.00	a	
A2N1	54.00	a	
A1N1	59.67	a	
A2N2	63.00	a	

Lampiran 6. Jumlah Daun (Helai) Tanaman Rosella Umur 6 MST				xxviii	
Perlakuan	Ulangan			Rata-Rata	Rata-Rata
	I	II	III		
A0N0	37.00	35.00	54.00	126.00	42.00
A0N1	37.00	49.00	52.00	138.00	46.00
A0N2	42.00	59.00	45.00	146.00	48.67
A1N0	67.00	74.00	62.00	203.00	67.67
A1N1	70.00	85.00	69.00	224.00	74.67
A1N2	56.00	62.00	85.00	203.00	67.67
A2N0	75.00	76.00	66.00	217.00	72.33
A2N1	70.00	79.00	56.00	205.00	68.33
A2N2	65.00	91.00	73.00	229.00	76.33
Total	519.00	610.00	562.00	1691.00	62.63

Tabel dua arah					
	A0	A1	A2	Total	Rata-Rata
N0	126.00	203.00	217.00	546.00	60.67
N1	138.00	224.00	205.00	567.00	63.00
N2	146.00	203.00	229.00	578.00	64.22
Total	410.00	630.00	651.00		
Rata-Rata	45.56	70.00	72.33		

FK

Daftar Sidik Ragam (Anova) Jumlah Daun Tanaman Rosella 6 MST							
Sk	Db	Jk	Kt	F Hitung			Ket
					5%	1%	
Kelompok	2	460.52	230.26	2.57	3.63	6.23	tn
A	2	3960.07	1980.04	22.09	3.63	6.23	**

N	2	58.74	29.37	0.33	3.63	6.23	tn
AN	4	202.81	50.70	0.57	3.01	4.77	tn
Galat	16	1434.15	89.63				
Total	26	6116.30					
KK				15.12%			

Keterangan:

tn = Berbeda tidak nyata

* = Berbeda nyata

** = Berbeda sangat nyata

Uji Duncan Faktor A

Sd	3.16	
	2	3
Duncan Tabel	3.00	3.14
Duncan Hitung	9.46	9.92

Perlakuan	Rata-Rata	Notasi	Duncan+Rata-Rata
A0	45.56	a	55.02
A1	70.00	b	79.92
A2	72.33		

Uji Duncan Faktor N

Sd	3.16	
	2	3
Duncan Tabel	3.00	3.14
Duncan Hitung	9.46	9.92

Perlakuan	Rata-Rata	Notasi	Duncan+Rata-Rata
N0	60.67	a	70.13
N1	63.00	a	
N2	64.22	a	

Uji Duncan Interaksi

Sd	5.47							
	2	3	4	5	6	7	8	9
Duncan Tabel	3.00	3.14	3.24	3.30	3.34	3.38	3.40	3.42
Duncan Hitung	16.39	17.19	17.68	18.02	18.27	18.45	18.60	18.70

Perlakuan	Rata-Rata		Duncan+Rata-Rata
A0N0	42.00	a	58.39
A0N1	46.00	a	
A0N2	48.67	a	
A1N0	67.67	a	
A1N2	67.67	a	
A2N1	68.33		
A2N0	72.33		
A1N1	74.67		
A2N2	76,33		

Lampiran 7. Diameter Batang Tanaman Rosella

Perlakuan	Ulangan			Total	Rata-Rata
	I	II	III		
A0N0	0.60	0.60	0.60	1.80	0.60
A0N1	0.60	0.60	0.70	1.90	0.63
A0N2	0.60	0.70	0.70	2.00	0.67
A1N0	0.90	0.90	0.80	2.60	0.87
A1N1	0.90	0.80	0.80	2.50	0.83
A1N2	0.80	1.00	0.90	2.70	0.90
A2N0	0.90	0.90	0.70	2.50	0.83
A2N1	1.00	0.90	0.90	2.80	0.93
A2N2	0.90	1.00	1.00	2.90	0.97
Total	7.20	7.40	7.10	21.70	0.80

Tabel dua arah

	A0	A1	A2	Total	Rata-Rata
N0	1.80	2.60	2.50	6.90	0.77
N1	1.90	2.50	2.80	7.20	0.80
N2	2.00	2.70	2.90	7.60	0.84
Total	5.70	7.80	8.20		
Rata-Rata	0.63	0.87	0.91		

FK 17.44

Daftar Sidik Ragam (Anova) Diameter Batang Tanaman Rosella

Sk	Db	Jk	Kt	F Hitung	F Tabel		Ket
					5%	1%	
Kelompok	2	0.005	0.003	0.509	3.63	6.23	tn
A	2	0.401	0.200	39.345	3.63	6.23	**
N	2	0.027	0.014	2.691	3.63	6.23	tn
AN	4	0.015	0.004	0.727	3.01	4.77	tn
Galat	16	0.081	0.005				
Total	26	0.530					
KK				8.88%			

Keterangan:

tn = Berbeda tidak nyata

* = Berbeda nyata

** = Berbeda sangat nyata

**Uji Duncan
Faktor A**

Sd	0.02	
	2	3
Duncan Tabel	3.00	3.14
Duncan Hitung	0.07	0.07

Perlakuan	Rata-Rata	Notasi	Duncan+Rata-Rata
A0	0.63	a	0.70
A1	0.87	b	0.94
A2	0.91	b	

**Uji Duncan
Faktor N**

Sd	0.02	
	2	3
Duncan Tabel	3.00	3.14
Duncan Hitung	0.07	0.07

Perlakuan	Rata-Rata		Duncan+Rata-Rata
N0	0.77	a	0.84
N1	0.80	a	
N2	0.84		

Uji Duncan Interaksi								
Sd	0.04							
	2	3	4	5	6	7	8	9
Duncan Tabel	3.00	3.14	3.24	3.30	3.34	3.38	3.40	3.42
Duncan Hitung	0.12	0.13	0.13	0.14	0.14	0.14	0.14	0.14

Perlakuan	Rata-Rata	Notasi	Duncan+Rata-Rata
A0N0	0.60	a	0.72
A0N1	0.63	a	
A0N2	0.67	a	
A1N1	0.83		
A2N0	0.83		
A1N0	0.87		
A1N2	0.90		
A2N1	0.93		
A2N2	0.97		

Lampiran 8. Dokumtasi



Gambar 8.1 Tinggi Tanaman 2 MST



Gambar 8.2 Tinggi Tanama 4 MST



Gambar 8.3 Tinggi Tanaman 6 MST



Gambar 8.4 Diameter Batang



Gambar 8.5 Jumlah Daun 6 MST
MST



Gambar 8.6 Jumlah Daun 2



Gambar 8.7 Jumlah Daun 4 MST