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LAMPIRAN

Lampiran 1

Matrik perlakuan

Perlakuan		Frekuensi Penyiraman			
		F1	F2	F3	F4
Dosis Silika	D0	D0F1	D0F2	D0F3	D0F4
	D1	D1F1	D1F2	D1F3	D1F4
	D2	D2F1	D2F2	D2F3	D2F4
	D3	D3F1	D3F2	D3F3	D3F4

Lampiran 2

Layout Penelitian

D0F1 1	D1F4 2	D0F2 1	D2F3 2	D0F3 2	D2F2 3
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D2F4 2	D1F1 1	D1F4 3	D1F3 2	D3F2 1	D1F2 2
D3F2 3	D2F2 1	D0F1 2	D3F1 1	D2F1 3	D0F4 3
D1F3 1	D3F3 1	D0F4 2	D1F4 1	D1F1 3	D3F3 2
D3F4 1	D0F3 3	D2F4 1	D0F1 3	D3F2 2	D2F1 2
D2F1 1	D3F1 3	D0F2 2	D1F1 2	D1F2 1	D2F4 3
D3F3 3	D0F3 1	D2F2 2	D2F3 3	D0F2 3	D3F4 2
D2F3 1	D3F1 2	D1F2 3	D3F4 3	D1F3 3	D0F4 1

Dosis Pupuk silika:

D0 : 0

D1 : 20 ml

D2 : 40 ml

D3 : 60 ml

Frekuensi penyiraman:

F1 : 1X sehari

F2 : 2X sehari

F3 : 2 hari sekali

F4 : 3 hari sekali

Keterangan warna :

D0F1	D0F2	D0F3	D0F4
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D1F1	D1F2	D1F3	D1F4
D2F1	D2F2	D2F3	D2F4
D3F1	D3F2	D3F3	D3F4

Lampiran 3: Hasil Pengolahan Data

1. Parameter luas daun

Descriptive Statistics

Dependent Variable: Luas_Daun

Dosis_PDS	Volume_Penyiraman	Mean	Std. Deviation	N
D0	F1	280.3333	64.78683	3
	F2	279.0000	76.92204	3
	F3	283.3333	69.24112	3
	F4	247.3333	73.14597	3
	Total	272.5000	62.58158	12
D1	F1	366.0000	47.14870	3
	F2	318.3333	118.09036	3
	F3	355.6667	144.29253	3

	F4	381.0000	84.78797	3
	Total	355.2500	92.82449	12
D2	F1	369.3333	108.79491	3
	F2	361.3333	123.37882	3
	F3	339.0000	60.50620	3
	F4	241.6667	80.32642	3
	Total	327.8333	97.94510	12
D3	F1	258.6667	151.58276	3
	F2	390.3333	108.44507	3
	F3	329.0000	135.11477	3
	F4	365.3333	70.03095	3
	Total	335.8333	114.93938	12
Total	F1	318.5833	100.94954	12
	F2	337.2500	102.30802	12
	F3	326.7500	97.09052	12
	F4	308.8333	94.32712	12
	Total	322.8542	96.09924	48

Tests of Between-Subjects Effects Dependent

Variable: Luas_Daun

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	115034.646 ^a	15	7668.976	.769	.699
Intercept	5003271.021	1	5003271.021	501.875	.000
Dosis_PDS	45339.396	3	15113.132	1.516	.229
Volume_Penyiraman	5246.896	3	1748.965	.175	.912
Dosis_PDS * Volume_Penyiraman	64448.354	9	7160.928	.718	.688
Error	319013.333	32	9969.167		
Total	5437319.000	48			
Corrected Total	434047.979	47			

a. R Squared = .265 (Adjusted R Squared = -.079)

2. Parameter tinggi tanaman

Descriptive Statistics

Dependent Variable: Tinggi_Tanaman

Dosis_PDS	Volume_Penyiraman	Mean	Std. Deviation	N
D0	F1	50.6667	2.51661	3
	F2	55.3333	3.05505	3
	F3	52.0000	3.00000	3
	F4	50.3333	10.01665	3
	Total	52.0833	5.19542	12
D1	F1	53.3333	9.07377	3
	F2	53.0000	3.46410	3
	F3	53.3333	4.16333	3
	F4	44.0000	10.39230	3
	Total	50.9167	7.57338	12
D2	F1	53.3333	4.50925	3
	F2	47.6667	3.78594	3
	F3	48.3333	14.57166	3
	F4	53.3333	5.77350	3
	Total	50.6667	7.66733	12
D3	F1	55.3333	6.65833	3
	F2	54.3333	4.04145	3
	F3	61.3333	7.02377	3
	F4	53.6667	2.51661	3
	Total	56.1667	5.58949	12
Total	F1	53.1667	5.55687	12
	F2	52.5833	4.35803	12
	F3	53.7500	8.77108	12

F4	50.3333	7.84316	12
Total	52.4583	6.76650	48

Tests of Between-Subjects Effects Dependent

Variable: Tinggi_Tanaman

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	669.250 ^a	15	44.617	.963	.512
Intercept	132090.083	1	132090.083	2850.865	.000
Dosis_PDS	233.750	3	77.917	1.682	.191
Volume_Penyiraman	80.417	3	26.806	.579	.633
Dosis_PDS * Volume_Penyiraman	355.083	9	39.454	.852	.576
Error	1482.667	32	46.333		
Total	134242.000	48			
Corrected Total	2151.917	47			

a. R Squared = .311 (Adjusted R Squared = -.012)

3. Parameter jumlah daun

Descriptive Statistics

Dependent Variable: Jumlah_Daun

Dosis_PDS	Volume_Penyiraman	Mean	Std. Deviation	N
D0	F1	11.3333	.57735	3
	F2	11.6667	.57735	3
	F3	12.0000	.00000	3
	F4	10.6667	.57735	3
	Total	11.4167	.66856	12
D1	F1	11.0000	1.00000	3
	F2	11.0000	.00000	3
	F3	11.6667	.57735	3
	F4	10.3333	.57735	3

	Total	11.0000	.73855	12
D2	F1	11.6667	.57735	3
	F2	12.0000	.00000	3
	F3	11.3333	.57735	3
	F4	11.6667	.57735	3
	Total	11.6667	.49237	12
D3	F1	11.6667	.57735	3
	F2	11.3333	.57735	3
	F3	10.6667	.57735	3
	F4	10.0000	1.00000	3
	Total	10.9167	.90034	12
Total	F1	11.4167	.66856	12
	F2	11.5000	.52223	12
	F3	11.4167	.66856	12
	F4	10.6667	.88763	12
	Total	11.2500	.75794	48

Tests of Between-Subjects Effects

Dependent Variable: Jumlah_Daun

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	15.667 ^a	15	1.044	2.949	.005
Intercept	6075.000	1	6075.000	17152.941	.000
Dosis_PDS	4.500	3	1.500	4.235	.013
Volume_Penyiraman	5.500	3	1.833	5.176	.005
Dosis_PDS * Volume_Penyiraman	5.667	9	.630	1.778	.112
Error	11.333	32	.354		
Total	6102.000	48			
Corrected Total	27.000	47			

a. R Squared = .580 (Adjusted R Squared = .383)

4. Parameter BST

Descriptive Statistics

Dependent Variable: BST

Dosis_PDS	Volume_Penyiraman	Mean	Std. Deviation	N
D0	F1	238.6667	28.43120	3
	F2	226.6667	40.79624	3
	F3	229.6667	22.47962	3
	F4	216.0000	31.22499	3
	Total	227.7500	28.11058	12
D1	F1	206.0000	22.60531	3
	F2	237.3333	19.85783	3
	F3	183.0000	27.78489	3
	F4	211.6667	26.68957	3
	Total	209.5000	29.01567	12
D2	F1	187.3333	40.15387	3
	F2	199.0000	14.93318	3
	F3	230.0000	23.51595	3
	F4	203.6667	34.07834	3
	Total	205.0000	30.18729	12
D3	F1	227.3333	28.91943	3
	F2	273.0000	51.46844	3
	F3	235.0000	43.30127	3
	F4	220.3333	46.43634	3
	Total	238.9167	42.64325	12
Total	F1	214.8333	33.31894	12
	F2	234.0000	40.78101	12
	F3	219.4167	34.07067	12
	F4	212.9167	30.84406	12
	Total	220.2917	34.82904	48

Tests of Between-Subjects Effects Dependent

Variable: BST

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	22195.917 ^a	15	1479.728	1.360	.226
Intercept	2329364.083	1	2329364.083	2140.837	.000
Dosis_PDS	9033.750	3	3011.250	2.768	.058
Volume_Penyiraman	3274.417	3	1091.472	1.003	.404

Dosis_PDS * Volume_Penyiraman	9887.750	9	1098.639	1.010	.453
Error	34818.000	32	1088.063		
Total	2386378.000	48			
Corrected Total	57013.917	47			

a. R Squared = .389 (Adjusted R Squared = .103)

5. Parameter BSA

Descriptive Statistics

Dependent Variable: BSA

Dosis_PDS	Volume_Penyiraman	Mean	Std. Deviation	N
D0	F1	34.3333	15.94783	3
	F2	32.6667	12.01388	3
	F3	31.3333	8.96289	3
	F4	41.3333	4.61880	3
	Total	34.9167	10.35250	12
D1	F1	38.0000	9.53939	3
	F2	37.3333	7.09460	3
	F3	37.0000	4.35890	3
	F4	32.3333	6.65833	3
	Total	36.1667	6.53429	12
D2	F1	40.0000	5.00000	3
	F2	32.3333	10.40833	3
	F3	40.6667	9.23760	3
	F4	40.3333	3.78594	3
	Total	38.3333	7.45085	12
D3	F1	36.3333	10.21437	3

	F2	51.3333	15.50269	3
	F3	32.3333	3.78594	3
	F4	43.3333	4.93288	3
	Total	40.8333	11.25597	12
Total	F1	37.1667	9.54257	12
	F2	38.4167	12.79530	12
	F3	35.3333	7.17741	12
	F4	39.3333	6.16933	12
	Total	37.5625	9.10437	48

Tests of Between-Subjects Effects Dependent

Variable: BSA

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1253.146 ^a	15	83.543	1.012	.468
Intercept	67725.187	1	67725.187	820.083	.000
Dosis_PDS	242.896	3	80.965	.980	.414
Volume_Penyiraman	107.896	3	35.965	.436	.729
Dosis_PDS * Volume_Penyiraman	902.354	9	100.262	1.214	.321
Error	2642.667	32	82.583		
Total	71621.000	48			
Corrected Total	3895.812	47			

a. R Squared = .322 (Adjusted R Squared = .004)

6. Parameter BKT

Descriptive Statistics

Dependent Variable: BKT

Dosis_PDS	Volume_Penyiraman	Mean	Std. Deviation	N
D0	F1	73.6667	7.23418	3
	F2	70.6667	13.01281	3

	F3	66.3333	11.01514	3
	F4	62.3333	6.42910	3
	Total	68.2500	9.48803	12
D1	F1	68.0000	16.70329	3
	F2	61.0000	7.93725	3
	F3	66.6667	2.88675	3
	F4	59.6667	16.04161	3
	Total	63.8333	11.15049	12
D2	F1	63.0000	6.55744	3
	F2	59.6667	6.42910	3
	F3	60.0000	9.16515	3
	F4	66.0000	12.76715	3
	Total	62.1667	8.21123	12
D3	F1	66.3333	11.37248	3
	F2	71.3333	5.68624	3
	F3	76.0000	12.52996	3
	F4	63.0000	9.00000	3
	Total	69.1667	9.96205	12
Total	F1	67.7500	10.38465	12
	F2	65.6667	9.32575	12
	F3	67.2500	10.14553	12
	F4	62.7500	10.20806	12
	Total	65.8542	9.89732	48

Tests of Between-Subjects Effects Dependent

Variable: BKT

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1157.979 ^a	15	77.199	.717	.750
Intercept	208165.021	1	208165.021	1933.047	.000
Dosis_PDS	412.729	3	137.576	1.278	.299
Volume_Penyiraman	182.563	3	60.854	.565	.642
Dosis_PDS * Volume_Penyiraman	562.687	9	62.521	.581	.803
Error	3446.000	32	107.687		
Total	212769.000	48			
Corrected Total	4603.979	47			

a. R Squared = .252 (Adjusted R Squared = -.099)

7. Parameter BKA

Descriptive Statistics

Dependent Variable: BKA

Dosis_PDS	Volume_Penyiraman	Mean	Std. Deviation	N
D0	F1	13.6667	.57735	3
	F2	11.6667	2.51661	3
	F3	13.0000	1.73205	3
	F4	11.0000	1.73205	3
	Total	12.3333	1.87487	12
D1	F1	12.0000	2.64575	3
	F2	12.3333	1.52753	3
	F3	11.3333	.57735	3
	F4	11.0000	1.73205	3
	Total	11.6667	1.61433	12
D2	F1	12.3333	1.52753	3
	F2	9.6667	1.52753	3
	F3	12.0000	.00000	3
	F4	12.3333	1.52753	3
	Total	11.5833	1.62135	12
D3	F1	11.3333	1.52753	3

	F2	13.0000	4.35890	3
	F3	10.3333	2.30940	3
	F4	12.0000	1.00000	3
	Total	11.6667	2.46183	12
Total	F1	12.3333	1.72328	12
	F2	11.6667	2.67423	12
	F3	11.6667	1.61433	12
	F4	11.5833	1.44338	12
	Total	11.8125	1.88675	48

Tests of Between-Subjects Effects Dependent

Variable: BKA

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	47.313 ^a	15	3.154	.841	.629
Intercept	6697.687	1	6697.687	1786.050	.000
Dosis_PDS	4.396	3	1.465	.391	.760
Volume_Penyiraman	4.396	3	1.465	.391	.760
Dosis_PDS * Volume_Penyiraman	38.521	9	4.280	1.141	.364
Error	120.000	32	3.750		
Total	6865.000	48			
Corrected Total	167.313	47			

a. R Squared = .283 (Adjusted R Squared = -.053)

8. Parameter Berat Abu

Descriptive Statistics

Dependent Variable: Berat_Abu

Dosis_PDS	Volume_Penyiraman	Mean	Std. Deviation	N
D0	F1	18.6667	5.68624	3
	F2	13.6667	3.05505	3
	F3	15.6667	2.30940	3
	F4	16.6667	1.52753	3

	Total	16.1667	3.53768	12
D1	F1	15.3333	4.93288	3
	F2	12.3333	1.52753	3
	F3	18.6667	7.50555	3
	F4	13.6667	2.30940	3
	Total	15.0000	4.70976	12
D2	F1	17.6667	2.08167	3
	F2	19.0000	3.60555	3
	F3	11.6667	1.15470	3
	F4	12.0000	1.73205	3
	Total	15.0833	3.96481	12
D3	F1	19.3333	6.65833	3
	F2	18.6667	2.08167	3
	F3	14.3333	2.08167	3
	F4	18.6667	4.04145	3
	Total	17.7500	4.11483	12
Total	F1	17.7500	4.65393	12
	F2	15.9167	3.84846	12
	F3	15.0833	4.37884	12
	F4	15.2500	3.49350	12
	Total	16.0000	4.12568	48

Tests of Between-Subjects Effects Dependent

Variable: Berat_Abu

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	342.667 ^a	15	22.844	1.598	.130
Intercept	12288.000	1	12288.000	859.802	.000
Dosis_PDS	59.167	3	19.722	1.380	.267

Volume_Penyiraman	53.667	3	17.889	1.252	.307
Dosis_PDS * Volume_Penyiraman	229.833	9	25.537	1.787	.110
Error	457.333	32	14.292		
Total	13088.000	48			
Corrected Total	800.000	47			

a. R Squared = .428 (Adjusted R Squared = .160)

9. Parameter Panjan Akar

Descriptive Statistics

Dependent Variable: Panjang_Akar

Dosis_PDS	Volume_Penyiraman	Mean	Std. Deviation	N
D0	F1	59.0000	8.66025	3
	F2	59.6667	4.50925	3
	F3	53.6667	8.50490	3
	F4	62.3333	9.01850	3
	Total	58.6667	7.48736	12
D1	F1	58.0000	14.93318	3
	F2	59.0000	9.53939	3
	F3	63.0000	3.60555	3
	F4	60.6667	18.00926	3
	Total	60.1667	11.06044	12
D2	F1	59.3333	1.15470	3
	F2	67.3333	10.69268	3
	F3	62.0000	6.24500	3
	F4	61.0000	6.92820	3
	Total	62.4167	6.82853	12
D3	F1	54.6667	12.42310	3
	F2	51.6667	8.32666	3
	F3	58.6667	9.86577	3
	F4	68.0000	3.60555	3

	Total	58.2500	10.10063	12
Total	F1	57.7500	9.28464	12
	F2	59.4167	9.33671	12
	F3	59.3333	7.40188	12
	F4	63.0000	9.71409	12
	Total	59.8750	8.90284	48

Tests of Between-Subjects Effects Dependent

Variable: Panjang_Akar

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	851.250 ^a	15	56.750	.632	.827
Intercept	172080.750	1	172080.750	1916.000	.000
Dosis_PDS	127.750	3	42.583	.474	.702
Volume_Penyiraman	177.417	3	59.139	.658	.584
Dosis_PDS * Volume_Penyiraman	546.083	9	60.676	.676	.725
Error	2874.000	32	89.813		
Total	175806.000	48			
Corrected Total	3725.250	47			

a. R Squared = .229 (Adjusted R Squared = -.133)

10. Parameter Volume Akar

Descriptive Statistics

Dependent Variable: Volume_Akar

Dosis_PDS	Volume_Penyiraman	Mean	Std. Deviation	N
D0	F1	63.3333	12.58306	3
	F2	60.0000	10.00000	3
	F3	70.0000	5.00000	3
	F4	70.0000	15.00000	3

	Total	65.8333	10.62444	12
D1	F1	58.3333	2.88675	3
	F2	63.3333	7.63763	3
	F3	53.3333	2.88675	3
	F4	58.3333	2.88675	3
	Total	58.3333	5.36543	12
D2	F1	63.3333	7.63763	3
	F2	55.0000	17.32051	3
	F3	60.0000	15.00000	3
	F4	56.6667	5.77350	3
	Total	58.7500	11.10385	12
D3	F1	56.6667	12.58306	3
	F2	63.3333	20.81666	3
	F3	45.0000	5.00000	3
	F4	63.3333	5.77350	3
	Total	57.0833	13.39239	12
Total	F1	60.4167	8.90820	12
	F2	60.4167	13.22160	12
	F3	57.0833	11.95794	12
	F4	62.0833	9.15978	12
	Total	60.0000	10.76835	48

Tests of Between-Subjects Effects Dependent

Variable: Volume_Akar

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1733.333 ^a	15	115.556	.995	.483
Intercept	172800.000	1	172800.000	1487.785	.000
Dosis_PDS	562.500	3	187.500	1.614	.205

Volume_Penyiraman	158.333	3	52.778	.454	.716
Dosis_PDS * Volume_Penyiraman	1012.500	9	112.500	.969	.483
Error	3716.667	32	116.146		
Total	178250.000	48			
Corrected Total	5450.000	47			

a. R Squared = .318 (Adjusted R Squared = -.002)

11. Parameter Diameter Batang

Descriptive Statistics				
Dependent Variable: Diameter_Batang				
Dosis_PDS	Volume_Penyiraman	Mean	Std. Deviation	N
D0	F1	5.0000	.00000	3
	F2	5.0000	.00000	3
	F3	5.0000	.00000	3
	F4	4.6667	1.15470	3
	Total	4.9167	.51493	12
D1	F1	4.6667	.57735	3
	F2	4.6667	.57735	3
	F3	4.6667	.57735	3
	F4	5.0000	.00000	3
	Total	4.7500	.45227	12
D2	F1	4.6667	.57735	3
	F2	5.0000	.00000	3
	F3	5.0000	.00000	3
	F4	5.0000	.00000	3
	Total	4.9167	.28868	12
D3	F1	4.6667	.57735	3

	F2	4.6667	.57735	3
	F3	4.3333	.57735	3
	F4	5.0000	.00000	3
	Total	4.6667	.49237	12
Total	F1	4.7500	.45227	12
	F2	4.8333	.38925	12
	F3	4.7500	.45227	12
	F4	4.9167	.51493	12
	Total	4.8125	.44513	48

Tests of Between-Subjects Effects Dependent

Variable: Diameter_Batang

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1.979 ^a	15	.132	.576	.872
Intercept	1111.687	1	1111.687	4851.000	.000
Dosis_PDS	.562	3	.187	.818	.493
Volume_Penyiraman	.229	3	.076	.333	.801
Dosis_PDS * Volume_Penyiraman	1.188	9	.132	.576	.807
Error	7.333	32	.229		
Total	1121.000	48			
Corrected Total	9.313	47			

a. R Squared = .213 (Adjusted R Squared = -.157)