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LAMPIRAN

Lampiran 1. *Lay out* Penelitian

T2B0U2	T0B1U2	T2B2U2
T2B1U1	T0B0U2	T2B1U3
T0B0U1	T3B0U1	T2B2U1
T3B1U2	T3B1U3	T0B2U3
T3B3U3	T1B0U3	T3B2U1
T0B3U2	T0B3U1	T1B1U1
T2B0U3	T1B1U2	T1B3U3
T3B0U2	T2B2U3	T0B3U3
T1B3U2	T2B3U1	T1B2U1
T2B0U1	T2B1U2	T3B3U1
T1B2U3	T0B2U2	T0B1U1
T1B0U2	T0B2U1	T3B0U3
T2B3U3	T3B3U2	T3B2U2
T0B1U3	T1B2U2	T1B1U3
T3B2U3	T1B3U1	T0B0U3
T2B3U2	T1B0U1	T3B1U1

Keterangan:

Dosis TSP:

T0: 0 gram/polibag

T1: 5 gram/polibag

T2: 10 gram/polibag

T3: 15 gram/polibag

Dosis Blotong

B0: 0 gram/polibag

B1: 300 gram/polibag

B2: 600 gram/polibag

B3: 900 gram/polibag

Lampiran 2. Hasil Sidik Ragam

Descriptive Statistics

Dependent Variable: Tinggi_Tanaman

TSP	Blotong	Mean	Std. Deviation	N
T0	B0	23.1833	1.26342	3
	B1	25.5733	1.26342	3
	B2	24.6333	.81347	3
	B3	26.6633	3.08082	3
	Total	25.0133	2.05115	12
T1	B0	26.3067	1.56526	3
	B1	23.6333	3.36354	3
	B2	23.4967	2.13102	3
	B3	23.3567	3.95840	3
	Total	24.1983	2.79354	12
T2	B0	22.8167	.81298	3
	B1	25.7433	5.62077	3
	B2	25.1233	1.34441	3
	B3	23.8067	2.83719	3
	Total	24.3725	3.01169	12
T3	B0	25.0333	3.07092	3
	B1	24.0800	1.89834	3
	B2	27.1667	1.86135	3
	B3	24.3233	2.92524	3
	Total	25.1508	2.48337	12
Total	B0	24.3350	2.18041	12
	B1	24.7575	3.10854	12
	B2	25.1050	1.95704	12
	B3	24.5375	3.06022	12
	Total	24.6838	2.55844	48

Tests of Between-Subjects Effects

Dependent Variable: Tinggi_Tanaman

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	78.673 ^a	15	5.245	.733	.735
Intercept	29245.801	1	29245.801	4087.242	.000
TSP	7.912	3	2.637	.369	.776
Blotong	3.911	3	1.304	.182	.908
TSP * Blotong	66.850	9	7.428	1.038	.433
Error	228.972	32	7.155		
Total	29553.446	48			
Corrected Total	307.645	47			

a. R Squared = .256 (Adjusted R Squared = -.093)

Descriptive Statistics

Dependent Variable: DB

TSP	Blotong	Mean	Std. Deviation	N
T0	B0	12.6267	1.75249	3
	B1	13.1867	2.83001	3
	B2	14.2033	.30925	3
	B3	12.1300	.14107	3
	Total	13.0367	1.63798	12
T1	B0	14.7067	.88212	3
	B1	12.8333	1.66290	3
	B2	14.4600	2.00030	3
	B3	11.2933	1.70430	3
	Total	13.3233	1.99085	12
T2	B0	14.2867	.44658	3
	B1	14.3600	2.15669	3
	B2	14.2567	2.30209	3
	B3	12.6367	1.55191	3
	Total	13.8850	1.68868	12
T3	B0	13.1933	3.70871	3
	B1	15.5433	.80786	3
	B2	13.7867	1.07932	3
	B3	14.8067	.14295	3

	Total	14.3325	1.93167	12
Total	B0	13.7033	1.99785	12
	B1	13.9808	2.03948	12
	B2	14.1767	1.40910	12
	B3	12.7167	1.67713	12
	Total	13.6444	1.83099	48

Tests of Between-Subjects Effects

Dependent Variable: DB

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	57.977 ^a	15	3.865	1.242	.293
Intercept	8936.111	1	8936.111	2871.257	.000
TSP	12.046	3	4.015	1.290	.295
Blotong	15.128	3	5.043	1.620	.204
TSP * Blotong	30.803	9	3.423	1.100	.391
Error	99.592	32	3.112		
Total	9093.680	48			
Corrected Total	157.569	47			

a. R Squared = .368 (Adjusted R Squared = .072)

Descriptive Statistics

Dependent Variable: JD

TSP	Blotong	Mean	Std. Deviation	N
T0	B0	5.5900	.19672	3
	B1	6.2300	.54000	3
	B2	6.0533	.49723	3
	B3	5.4900	.52374	3
	Total	5.8408	.50914	12
T1	B0	6.3067	.20033	3
	B1	6.1800	.30806	3
	B2	5.6633	.49075	3
	B3	5.8700	.44800	3
	Total	6.0050	.41810	12
T2	B0	6.4100	.11790	3
	B1	6.7967	.59501	3
	B2	6.3833	.66395	3
	B3	5.8200	.24576	3

	Total	6.3525	.53882	12
T3	B0	6.3333	.70074	3
	B1	6.5133	.46918	3
	B2	6.1533	.30501	3
	B3	6.0767	.07506	3
	Total	6.2692	.42236	12
Total	B0	6.1600	.47524	12
	B1	6.4300	.49110	12
	B2	6.0633	.50952	12
	B3	5.8142	.38299	12
	Total	6.1169	.50401	48

Tests of Between-Subjects Effects

Dependent Variable: JD

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	5.725 ^a	15	.382	1.965	.053
Intercept	1795.976	1	1795.976	9247.477	.000
TSP	2.009	3	.670	3.448	.028
Blotong	2.333	3	.778	4.004	.016
TSP * Blotong	1.383	9	.154	.791	.627
Error	6.215	32	.194		
Total	1807.915	48			
Corrected Total	11.939	47			

a. R Squared = .479 (Adjusted R Squared = .235)

JD

Duncan^{a,b}

TSP	N	Subset	
		1	2
T0	12	5.8408	
T1	12	6.0050	6.0050
T3	12		6.2692
T2	12		6.3525
Sig.		.368	.076

Means for groups in homogeneous subsets are displayed.
 Based on observed means.
 The error term is Mean Square(Error) = .194.
 a. Uses Harmonic Mean Sample Size = 12.000.
 b. Alpha = .05.

JD

Duncan^{a,b}

Blotong	N	Subset	
		1	2
B3	12	5.8142	
B2	12	6.0633	6.0633
B0	12	6.1600	6.1600
B1	12		6.4300
Sig.		.077	.062

Means for groups in homogeneous subsets are displayed.
 Based on observed means.
 The error term is Mean Square(Error) = .194.
 a. Uses Harmonic Mean Sample Size = 12.000.
 b. Alpha = .05.

Descriptive Statistics

Dependent Variable: pH_Tanah

TSP	Blotong	Mean	Std. Deviation	N
T0	B0	5.3067	.23756	3
	B1	4.7600	.90835	3
	B2	4.3100	.06928	3
	B3	4.1667	.72418	3
	Total	4.6358	.68733	12
T1	B0	4.7200	.45640	3
	B1	4.3600	.27055	3
	B2	4.6533	.26558	3
	B3	4.5633	.29023	3

	Total	4.5742	.31523	12
T2	B0	5.2033	.19553	3
	B1	4.8333	.22301	3
	B2	4.6433	.57873	3
	B3	4.0933	.50213	3
	Total	4.6933	.54578	12
T3	B0	4.8867	.40278	3
	B1	4.6667	.29023	3
	B2	4.4733	.22502	3
	B3	4.0900	.52086	3
	Total	4.5292	.44363	12
Total	B0	5.0292	.38140	12
	B1	4.6550	.47237	12
	B2	4.5200	.32468	12
	B3	4.2283	.49766	12
	Total	4.6081	.50353	48

Tests of Between-Subjects Effects

Dependent Variable: pH_Tanah

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	5.735 ^a	15	.382	1.980	.052
Intercept	1019.271	1	1019.271	5276.983	.000
TSP	.185	3	.062	.319	.811
Blotong	3.978	3	1.326	6.865	.001
TSP * Blotong	1.573	9	.175	.905	.533
Error	6.181	32	.193		
Total	1031.187	48			
Corrected Total	11.916	47			

a. R Squared = .481 (Adjusted R Squared = .238)

pH_Tanah

Duncan^{a,b}

Blotong	N	Subset		
		1	2	3
B3	12	4.2283		
B2	12	4.5200	4.5200	
B1	12		4.6550	
B0	12			5.0292

Sig.		.114	.457	1.000
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Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .193.

a. Uses Harmonic Mean Sample Size = 12.000.

b. Alpha = .05.

Descriptive Statistics

Dependent Variable: Luas_Daun

TSP	Blotong	Mean	Std. Deviation	N
T0	B0	369.6067	19.07011	3
	B1	368.3700	28.48440	3
	B2	355.1400	44.64632	3
	B3	414.9300	15.97554	3
	Total	377.0117	34.35659	12
T1	B0	374.4367	7.00980	3
	B1	347.1867	31.00643	3
	B2	357.1967	18.38564	3
	B3	365.1333	19.50151	3
	Total	360.9883	20.59668	12
T2	B0	362.8867	38.96699	3
	B1	380.5100	14.64468	3
	B2	399.3733	17.78793	3
	B3	396.4600	21.54901	3
	Total	384.8075	26.22999	12
T3	B0	360.2467	21.57443	3
	B1	375.6200	21.09795	3
	B2	372.1167	18.78035	3
	B3	347.6433	51.73514	3
	Total	363.9067	29.11904	12
Total	B0	366.7942	21.67266	12
	B1	367.9217	24.87846	12
	B2	370.9567	29.76567	12
	B3	381.0417	37.91956	12

Total	371.6785	28.82514	48
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Tests of Between-Subjects Effects

Dependent Variable: Luas_Daun

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	15839.984 ^a	15	1055.999	1.456	.181
Intercept	6630957.040	1	6630957.040	9141.508	.000
TSP	4505.932	3	1501.977	2.071	.124
Blotong	1513.925	3	504.642	.696	.562
TSP * Blotong	9820.126	9	1091.125	1.504	.189
Error	23211.775	32	725.368		
Total	6670008.799	48			
Corrected Total	39051.759	47			

a. R Squared = .406 (Adjusted R Squared = .127)

Descriptive Statistics

Dependent Variable: Volume_Akar

TSP	Blotong	Mean	Std. Deviation	N
T0	B0	11.0000	1.00000	3
	B1	16.3333	4.72582	3
	B2	21.0000	1.00000	3
	B3	15.3333	7.57188	3
	Total	15.9167	5.35059	12
T1	B0	16.0000	6.08276	3
	B1	12.6667	4.61880	3
	B2	12.6667	5.50757	3
	B3	14.0000	5.19615	3
	Total	13.8333	4.80215	12
T2	B0	18.0000	4.58258	3
	B1	17.3333	8.32666	3
	B2	17.3333	10.40833	3
	B3	15.3333	3.78594	3
	Total	17.0000	6.31016	12
T3	B0	22.0000	8.71780	3
	B1	20.6667	6.65833	3
	B2	18.6667	5.85947	3
	B3	14.0000	3.60555	3

	Total	18.8333	6.36515	12
Total	B0	16.7500	6.45439	12
	B1	16.7500	6.12187	12
	B2	17.4167	6.45908	12
	B3	14.6667	4.55937	12
	Total	16.3958	5.85186	48

Tests of Between-Subjects Effects

Dependent Variable: Volume_Akar

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	453.479 ^a	15	30.232	.837	.633
Intercept	12903.521	1	12903.521	357.191	.000
TSP	157.229	3	52.410	1.451	.246
Blotong	51.396	3	17.132	.474	.702
TSP * Blotong	244.854	9	27.206	.753	.659
Error	1156.000	32	36.125		
Total	14513.000	48			
Corrected Total	1609.479	47			

a. R Squared = .282 (Adjusted R Squared = -.055)

Descriptive Statistics

Dependent Variable: Panjang_Akar

TSP	Blotong	Mean	Std. Deviation	N
T0	B0	49.5333	5.85263	3
	B1	52.8667	10.48872	3
	B2	56.9333	5.28804	3
	B3	45.6333	5.11892	3
	Total	51.2417	7.41674	12
T1	B0	50.5333	17.15964	3
	B1	47.5667	11.41286	3
	B2	42.0667	13.44483	3
	B3	41.8333	4.56326	3
	Total	45.5000	11.35021	12
T2	B0	51.3667	6.07481	3
	B1	52.2333	10.50825	3
	B2	35.4000	5.91016	3
	B3	42.7333	9.95707	3

	Total	45.4333	10.13996	12
T3	B0	50.2667	1.10151	3
	B1	67.3000	1.47309	3
	B2	44.7667	1.23423	3
	B3	48.5667	10.91345	3
	Total	52.7250	10.20393	12
Total	B0	50.4250	8.19536	12
	B1	54.9917	11.12724	12
	B2	44.7917	10.52922	12
	B3	44.6917	7.47279	12
	Total	48.7250	10.12827	48

Tests of Between-Subjects Effects

Dependent Variable: Panjang_Akar

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	2361.077 ^a	15	157.405	2.047	.044
Intercept	113958.030	1	113958.030	1482.216	.000
TSP	522.832	3	174.277	2.267	.100
Blotong	886.800	3	295.600	3.845	.019
TSP * Blotong	951.445	9	105.716	1.375	.240
Error	2460.273	32	76.884		
Total	118779.380	48			
Corrected Total	4821.350	47			

a. R Squared = .490 (Adjusted R Squared = .251)

Panjang_Akar

Duncan^{a,b}

Blotong	N	Subset	
		1	2

B3	12	44.6917	
B2	12	44.7917	
B0	12	50.4250	50.4250
B1	12		54.9917
Sig.		.140	.211

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 76.884.

a. Uses Harmonic Mean Sample Size = 12.000.

b. Alpha = .05.

Descriptive Statistics

Dependent Variable: BST

TSP	Blotong	Mean	Std. Deviation	N
T0	B0	16.0733	4.06456	3
	B1	24.6500	7.19238	3
	B2	24.6133	2.32943	3
	B3	17.2067	5.10543	3
	Total	20.6358	5.97734	12
T1	B0	21.7667	3.94338	3
	B1	18.9733	6.81851	3
	B2	19.3533	5.96886	3
	B3	15.4000	5.30093	3
	Total	18.8733	5.33911	12
T2	B0	21.0900	2.40493	3
	B1	21.1067	9.75871	3
	B2	19.5367	8.81660	3
	B3	17.1867	3.89386	3
	Total	19.7300	6.16864	12
T3	B0	24.4033	8.21434	3
	B1	27.3200	2.74583	3
	B2	21.7933	2.46082	3
	B3	16.9333	4.35259	3
	Total	22.6125	5.83801	12
Total	B0	20.8333	5.39089	12

B1	23.0125	6.91203	12
B2	21.3242	5.25735	12
B3	16.6817	4.08161	12
Total	20.4629	5.82116	48

Tests of Between-Subjects Effects

Dependent Variable: BST

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	553.758 ^a	15	36.917	1.137	.366
Intercept	20099.086	1	20099.086	619.102	.000
TSP	92.575	3	30.858	.951	.428
Blotong	260.126	3	86.709	2.671	.064
TSP * Blotong	201.057	9	22.340	.688	.714
Error	1038.877	32	32.465		
Total	21691.721	48			
Corrected Total	1592.635	47			

a. R Squared = .348 (Adjusted R Squared = .042)

BST

Duncan^{a,b}

Blotong	N	Subset	
		1	2
B3	12	16.6817	
B0	12	20.8333	20.8333
B2	12	21.3242	21.3242
B1	12		23.0125
Sig.		.067	.385

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 32.465.

a. Uses Harmonic Mean Sample Size = 12.000.

b. Alpha = ,05.

Descriptive Statistics

Dependent Variable: BKT

TSP	Blotong	Mean	Std. Deviation	N
T0	B0	4.5633	1.15786	3
	B1	6.4833	1.52218	3
	B2	6.3100	.68637	3
	B3	4.7033	1.15240	3
	Total	5.5150	1.35901	12
T1	B0	6.1500	1.24928	3
	B1	5.2367	1.71351	3
	B2	5.6067	1.41139	3
	B3	4.3500	1.58237	3
	Total	5.3358	1.45037	12
T2	B0	6.1500	.57166	3
	B1	5.5667	2.51017	3
	B2	4.9033	1.48433	3
	B3	4.8167	.63736	3
	Total	5.3592	1.41377	12
T3	B0	6.7400	2.43575	3
	B1	7.3467	.96914	3
	B2	5.8867	.28746	3
	B3	4.7500	1.31526	3
	Total	6.1808	1.61769	12
Total	B0	5.9008	1.54254	12
	B1	6.1583	1.73568	12
	B2	5.6767	1.07206	12
	B3	4.6550	1.05863	12
	Total	5.5977	1.45789	48

Tests of Between-Subjects Effects

Dependent Variable: BKT

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	35.153 ^a	15	2.344	1.158	.350
Intercept	1504.048	1	1504.048	743.395	.000
TSP	5.668	3	1.889	.934	.436

Blotong	15.613	3	5.204	2.572	.071
TSP * Blotong	13.871	9	1.541	.762	.651
Error	64.743	32	2.023		
Total	1603.944	48			
Corrected Total	99.896	47			

a. R Squared = .352 (Adjusted R Squared = .048)

Descriptive Statistics

Dependent Variable: BSA

TSP	Blotong	Mean	Std. Deviation	N
T0	B0	9.5500	.22913	3
	B1	16.0733	5.30643	3
	B2	19.7667	1.22317	3
	B3	14.6467	7.71804	3
	Total	15.0092	5.55674	12
T1	B0	15.3700	4.12578	3
	B1	12.9933	4.60116	3
	B2	10.9967	5.90590	3
	B3	12.5667	3.05732	3
	Total	12.9817	4.20270	12
T2	B0	17.0700	2.73183	3
	B1	15.6067	9.49676	3
	B2	12.2433	6.18557	3
	B3	11.3200	1.50443	3
	Total	14.0600	5.58514	12
T3	B0	19.8900	11.27391	3
	B1	17.7533	4.28878	3
	B2	16.9367	3.76713	3
	B3	11.6100	1.04484	3
	Total	16.5475	6.27423	12
Total	B0	15.4700	6.56946	12
	B1	15.6067	5.64711	12
	B2	14.9858	5.46016	12
	B3	12.5358	3.87201	12
	Total	14.6496	5.44299	48

Tests of Between-Subjects Effects

Dependent Variable: BSA

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	451.133 ^a	15	30.076	1.022	.459
Intercept	10301.294	1	10301.294	350.199	.000
TSP	82.331	3	27.444	.933	.436
Blotong	74.041	3	24.680	.839	.483
TSP * Blotong	294.760	9	32.751	1.113	.382
Error	941.296	32	29.416		
Total	11693.723	48			
Corrected Total	1392.429	47			

a. R Squared = ,324 (Adjusted R Squared = ,007)

Descriptive Statistics

Dependent Variable: BKA

TSP	Blotong	Mean	Std. Deviation	N
T0	B0	2.3933	.38682	3
	B1	3.1133	.73704	3
	B2	3.8200	.32909	3
	B3	3.1433	1.20426	3
	Total	3.1175	.82894	12
T1	B0	3.4700	1.01926	3
	B1	2.4100	.64257	3
	B2	2.2933	1.03055	3
	B3	2.4800	.83433	3
	Total	2.6633	.90835	12
T2	B0	3.7000	.55018	3
	B1	2.9867	1.57672	3
	B2	2.6833	.91877	3
	B3	2.7033	.45490	3
	Total	3.0183	.93958	12
T3	B0	3.5633	1.96215	3
	B1	4.0100	1.02328	3
	B2	3.2867	.19140	3
	B3	2.7400	.55749	3
	Total	3.4000	1.08840	12
Total	B0	3.2817	1.12490	12
	B1	3.1300	1.08374	12
	B2	3.0208	.86127	12
	B3	2.7667	.73944	12

Total	3.0498	.95324	48
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Tests of Between-Subjects Effects

Dependent Variable: BKA

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	13.616 ^a	15	.908	.998	.480
Intercept	446.459	1	446.459	491.097	.000
TSP	3.331	3	1.110	1.221	.318
Blotong	1.694	3	.565	.621	.606
TSP * Blotong	8.591	9	.955	1.050	.424
Error	29.091	32	.909		
Total	489.166	48			
Corrected Total	42.707	47			

a. R Squared = ,319 (Adjusted R Squared = ,000)

Lampiran 3. Dokumentasi kegiatan penelitian

1. Persiapan media tanam



2. Perlakuan pupuk



3. Transplanting



4. Penyiangan



5. PenyiramanPengukuran tinggi tanaman



6. Pengukuran diameter batang



7. Pengukuran luas daun



8. Pengukuran berat segar tajuk



9. Pengukuran berat kering tajuk



10. Berat segar dan kering akar



11. Pengukuran volume akar



12. Pengukuran pH tanah

