

LAMPIRAN

Lampiran 1. Uji Prasyarat

1. Hasil Uji Normalitas Menggunakan Shapiro-Wilk

a. Berat Basah

b.

Tests of Normality				
	Interaksi A dan B	Shapiro-Wilk		
		Statistic	df	Sig.
Berat Basah	A0B0	.972	3	.679
	A0B1	.942	3	.537
	A0B2	.929	3	.485
	A0B3	.911	3	.421
	A1B0	.942	3	.537
	A1B1	.874	3	.307
	A1B2	.867	3	.288
	A1B3	.972	3	.679
	A2B0	1.000	3	.961
	A2B1	.936	3	.510
	A2B2	.813	3	.146
	A2B3	.855	3	.253
	A3B0	.772	3	.049
	A3B1	.812	3	.144
	A3B2	.984	3	.756
A3B3	.989	3	.800	

a. Lilliefors Significance Correction

c. Berat Kering

Tests of Normality				
	Interaksi A dan B	Shapiro-Wilk		
		Statistic	df	Sig.
Berat Kering	A0B0	.997	3	.897
	A0B1	.979	3	.722
	A0B2	.856	3	.258
	A0B3	.999	3	.930
	A1B0	.955	3	.592

A1B1	.750	3	.000
A1B2	.989	3	.797
A1B3	.968	3	.658
A2B0	.923	3	.464
A2B1	.859	3	.265
A2B2	.757	3	.015
A2B3	.758	3	.017
A3B0	.987	3	.784
A3B1	.964	3	.637
A3B2	.860	3	.267
A3B3	.850	3	.241

a. Lilliefors Significance Correction

d. Tinggi Tanaman

Tests of Normality				
	Perlakuan	Shapiro-Wilk		
		Statistic	df	Sig.
Tinggi Sayur Sawi	A0B0	.955	3	.593
	A0B1	.907	3	.407
	A0B2	.964	3	.637
	A0B3	.893	3	.363
	A1B0	.848	3	.235
	A1B1	.923	3	.463
	A1B2	.976	3	.702
	A1B3	.907	3	.407
	A2B0	.994	3	.853
	A2B1	.997	3	.900
	A2B2	.954	3	.588
	A2B3	.951	3	.576
	A3B0	.829	3	.187
	A3B1	.855	3	.253
	A3B2	.995	3	.870
A3B3	.989	3	.803	

a. Lilliefors Significance Correction

e. Jumlah Daun

Tests of Normality

		Shapiro-Wilk		
		Statistic	df	Sig.
	Interaksi A dan B			
Jumlah Daun	A0B0	.750	3	.000
	A0B1	1.000	3	1.000
	A0B2	.750	3	.000
	A0B3	.750	3	.000
	A1B0	.964	3	.637
	A1B1	.750	3	.000
	A1B2	1.000	3	1.000
	A1B3	.750	3	.000
	A2B0	.923	3	.463
	A2B1	.750	3	.000
	A2B2	.750	3	.000
	A2B3	.750	3	.000
	A3B0	.893	3	.363
	A3B1	.750	3	.000
	A3B2	.750	3	.000
A3B3	.750	3	.000	

a. Lilliefors Significance Correction

2. Hasil Uji Homogenitas

a. Berat Basah

Levene's Test of Equality of Error Variances^a

Dependent Variable: Berat Basah

F	df1	df2	Sig.
4.460	15	32	.000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + A + B + A * B

b. Berat Kering

Levene's Test of Equality of Error Variances^a

Dependent Variable: Berat Kering

F	df1	df2	Sig.
3.934	15	32	.001

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + A + B + A * B

c. Tinggi Tanaman**Levene's Test of Equality of Error Variances^a**

Dependent Variable: Tinggi Sayur Sawi

F	df1	df2	Sig.
3.209	15	32	.003

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + B + A + B * A

d. Jumlah Daun**Levene's Test of Equality of Error Variances^a**

Dependent Variable: Jumlah Daun

F	df1	df2	Sig.
4.727	15	32	.000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + A + B + A * B

3. Hasil Two-Way Anova**a. Berat Basah**

Descriptive Statistics

Dependent Variable: Berat Basah

Perlakuan A	Perlakuan B	Mean	Std. Deviation	N
A0	B0	213.3333	17.24336	3
	B1	225.0000	10.81665	3
	B2	266.3333	11.93035	3
	B3	268.6667	25.14624	3
	Total	243.3333	29.53991	12
A1	B0	249.0000	32.44996	3
	B1	281.3333	18.71719	3
	B2	298.0000	16.64332	3
	B3	311.6667	17.24336	3
	Total	285.0000	30.93101	12
A2	B0	235.6667	56.01190	3
	B1	324.3333	11.37248	3
	B2	279.6667	78.74854	3
	B3	336.0000	11.35782	3
	Total	293.9167	58.83020	12
A3	B0	280.0000	58.04309	3
	B1	324.3333	6.65833	3
	B2	329.6667	9.07377	3
	B3	337.6667	11.06044	3
	Total	317.9167	34.71562	12
Total	B0	244.5000	45.43027	12
	B1	288.7500	43.93823	12
	B2	293.4167	42.83044	12
	B3	313.5000	32.57579	12
	Total	285.0417	47.54391	48

Tests of Between-Subjects Effects

Dependent Variable: Berat Basah

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	73476.583 ^a	15	4898.439	4.784	.000	.692
Intercept	3899940.083	1	3899940.083	3809.078	.000	.992
A	34789.417	3	11596.472	11.326	.000	.515
B	30448.750	3	10149.583	9.913	.000	.482
A * B	8238.417	9	915.380	.894	.541	.201

Error	32763.333	32	1023.854		
Total	4006180.000	48			
Corrected Total	106239.917	47			

a. R Squared = ,692 (Adjusted R Squared = ,547)

b. Berat Kering

Descriptive Statistics

Dependent Variable: Berat Kering

Perlakuan A	Perlakuan B	Mean	Std. Deviation	N
A0	B0	37.2667	1.50218	3
	B1	42.9067	3.53752	3
	B2	46.0000	.29715	3
	B3	46.6800	.47032	3
	Total	43.2133	4.21987	12
A1	B0	40.6333	4.58930	3
	B1	46.3833	.56580	3
	B2	46.6667	.51791	3
	B3	46.8167	1.57017	3
	Total	45.1250	3.42745	12
A2	B0	39.2800	5.19296	3
	B1	42.8233	3.83576	3
	B2	46.0267	3.83372	3
	B3	49.8933	2.85511	3
	Total	44.5058	5.33848	12
A3	B0	45.5700	5.06237	3
	B1	47.2367	.03055	3
	B2	48.0133	.50143	3
	B3	51.7533	.63438	3
	Total	48.1433	3.21988	12
Total	B0	40.6875	4.90269	12
	B1	44.8375	3.05834	12
	B2	46.6767	1.87355	12
	B3	48.7858	2.65460	12
	Total	45.2469	4.39948	48

Tests of Between-Subjects Effects

Dependent Variable: Berat Kering

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	649.690 ^a	15	43.313	5.331	.000	.714
Intercept	98269.425	1	98269.425	12094.066	.000	.997
A	157.065	3	52.355	6.443	.002	.377
B	426.288	3	142.096	17.488	.000	.621
A * B	66.337	9	7.371	.907	.531	.203
Error	260.014	32	8.125			
Total	99179.130	48				
Corrected Total	909.704	47				

a. R Squared = ,714 (Adjusted R Squared = ,580)

c. Tinggi Tanaman

Descriptive Statistics

Dependent Variable: Tinggi Sayur Sawi

Perlakuan B	Perlakuan A	Mean	Std. Deviation	N
B0	A0	36.3000	.81854	3
	A1	36.5333	.81445	3
	A2	36.5667	1.50444	3
	A3	39.5333	3.07463	3
	Total	37.2333	2.07554	12
B1	A0	38.2333	.47258	3
	A1	37.9667	.20817	3
	A2	39.6333	.55076	3
	A3	41.7333	.37859	3
	Total	39.3917	1.60026	12
B2	A0	38.6667	1.06927	3
	A1	38.7000	.55678	3
	A2	39.5667	2.96873	3
	A3	43.3333	1.70392	3
	Total	40.0667	2.53317	12
B3	A0	38.5000	.79373	3
	A1	39.1667	.47258	3
	A2	40.9000	1.17898	3
	A3	45.3667	1.96044	3
	Total	40.9833	2.98841	12
Total	A0	37.9250	1.21290	12
	A1	38.0917	1.14372	12

A2	39.1667	2.25563	12
A3	42.4917	2.82182	12
Total	39.4188	2.67420	48

Tests of Between-Subjects Effects

Dependent Variable: Tinggi Sayur Sawi

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	270.073 ^a	15	18.005	8.724	.000	.804
Intercept	74584.217	1	74584.217	36140.141	.000	.999
B	91.734	3	30.578	14.817	.000	.581
A	161.986	3	53.995	26.164	.000	.710
B * A	16.354	9	1.817	.880	.552	.198
Error	66.040	32	2.064			
Total	74920.330	48				
Corrected Total	336.113	47				

a. R Squared = ,804 (Adjusted R Squared = ,711)

d. Jumlah Daun

Descriptive Statistics

Dependent Variable: Jumlah Daun

Perlakuan A	Perlakuan B	Mean	Std. Deviation	N
A0	B0	11.3333	1.15470	3
	B1	11.0000	1.00000	3
	B2	12.6667	.57735	3
	B3	14.3333	1.15470	3
	Total	12.3333	1.61433	12
A1	B0	11.3333	1.52753	3
	B1	13.3333	1.15470	3
	B2	14.0000	2.00000	3
	B3	16.3333	1.15470	3
	Total	13.7500	2.26134	12
A2	B0	11.3333	2.08167	3
	B1	16.3333	.57735	3
	B2	14.0000	5.19615	3
	B3	18.3333	.57735	3
	Total	15.0000	3.64318	12

A3	B0	15.0000	2.64575	3
	B1	16.3333	1.15470	3
	B2	17.3333	1.15470	3
	B3	19.3333	.57735	3
	Total	17.0000	2.13201	12
Total	B0	12.2500	2.34036	12
	B1	14.2500	2.49089	12
	B2	14.5000	3.03015	12
	B3	17.0833	2.15146	12
	Total	14.5208	2.99638	48

Tests of Between-Subjects Effects

Dependent Variable: Jumlah Daun

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	311.979 ^a	15	20.799	6.051	.000	.739
Intercept	10121.021	1	10121.021	2944.297	.000	.989
A	141.062	3	47.021	13.679	.000	.562
B	141.562	3	47.187	13.727	.000	.563
A * B	29.354	9	3.262	.949	.498	.211
Error	110.000	32	3.438			
Total	10543.000	48				
Corrected Total	421.979	47				

a. R Squared = ,739 (Adjusted R Squared = ,617)

Lampiran 2. Hasil Uji Lanjut Post Hoc

Uji Lanjut Variabel Tinggi Tanaman

Pairwise Comparisons

Dependent Variable: Tinggi Sayur Sawi

(I) Perlakuan A	(J) Perlakuan A	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence Interval for Difference ^b	
					Lower Bound	Upper Bound
A0	A1	-.167	.586	.778	-1.361	1.028
	A2	-1.242*	.586	.042	-2.436	-.047
	A3	-4.567*	.586	.000	-5.761	-3.372
A1	A0	.167	.586	.778	-1.028	1.361
	A2	-1.075	.586	.076	-2.270	.120
	A3	-4.400*	.586	.000	-5.595	-3.205
A2	A0	1.242*	.586	.042	.047	2.436
	A1	1.075	.586	.076	-.120	2.270
	A3	-3.325*	.586	.000	-4.520	-2.130
A3	A0	4.567*	.586	.000	3.372	5.761
	A1	4.400*	.586	.000	3.205	5.595
	A2	3.325*	.586	.000	2.130	4.520

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).



Pairwise Comparisons

Dependent Variable: Tinggi Sayur Sawi

(I) Perlakuan B	(J) Perlakuan B	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence Interval for Difference ^b	
					Lower Bound	Upper Bound
B0	B1	-2.158*	.586	.001	-3.353	-.964
	B2	-2.833*	.586	.000	-4.028	-1.639
	B3	-3.750*	.586	.000	-4.945	-2.555
B1	B0	2.158*	.586	.001	.964	3.353
	B2	-.675	.586	.258	-1.870	.520
	B3	-1.592*	.586	.011	-2.786	-.397
B2	B0	2.833*	.586	.000	1.639	4.028
	B1	.675	.586	.258	-.520	1.870
	B3	-.917	.586	.128	-2.111	.278
B3	B0	3.750*	.586	.000	2.555	4.945
	B1	1.592*	.586	.011	.397	2.786







B2	.917	.586	.128	-.278	2.111
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Based on estimated marginal means

*. The mean difference is significant at the ,05 level.

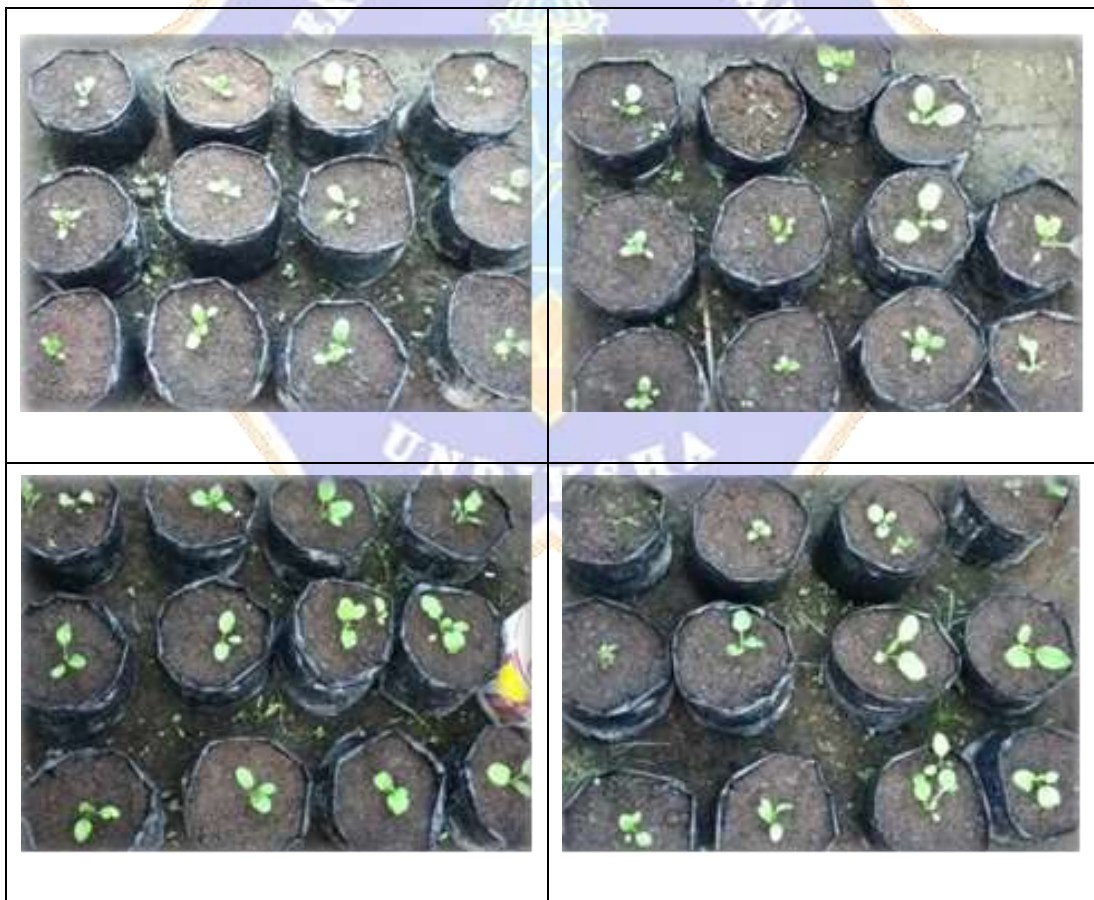
b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Lampiran 3. Dokumentasi Kegiatan Penelitian

		
Limbah Cair Tahu B1 (10%)	Limbah Cair Tahu B1 (15%)	Limbah Cair Tahu B1 (20%)
Konsentrasi Limbah Cair Tahu		
		
Limbah Ampas Tahu A1 (25 gr)	Limbah Ampas Tahu A2 (50 gr)	Limbah Ampas Tahu A3 (75 gr)



Konsentrasi Limbah Ampas Tahu



Dokumentasi Sampel Penelitian



Dokumentasi Sampel Penelitian

