

LAMPIRAN

Lampiran 1.1 Data hasil pengujian sudut kembali dari lipatan arah lusi (dalam derajat)

Variasi	Konsentrasi (g/l)	L1	L2	L3	L4	L5
Blanko		60	55	53	55	56
Tanpa UV	80	90	92	94	79	80
	100	91	92	88	93	90
	120	88	90	97	97	100
Sinar UV 60 menit	80	84	85	83	76	78
	100	84	82	88	86	85
	120	88	90	90	91	90

Lampiran 1.2 Data uji normalitas sudut kembali dari lipatan arah lusi

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for CRA_Lusi	.133	30	.183	.970	30	.547

a. Lilliefors Significance Correction

Lampiran 1.3 Data uji subjek dan efek sudut kembali dari lipatan arah lusi

Dependent Variable: CRA_Lusi

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	541.367 ^a	5	108.273	6.438	.001
Intercept	232496.033	1	232496.033	13825.334	.000
Treatment	218.700	1	218.700	13.005	.001
Konsentrasi	320.267	2	160.133	9.522	.001
Treatment * Konsentrasi	2.400	2	1.200	.071	.931
Error	403.600	24	16.817		
Total	233441.000	30			
Corrected Total	944.967	29			

a. R Squared = .573 (Adjusted R Squared = .484)

Lampiran 1.4 Data uji post hoc sudut kembali dari lipatan arah lusi

Hasil CRA Arah Lusi
Tukey HSD

(I) Konsentrasi Resin DMDHEU	(J) Konsentrasi Resin DMDHEU	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
80	100	-1.20	.726	.243	-3.01	.61
	120	-4.90*	.726	.000	-6.71	-3.09
100	80	1.20	.726	.243	-.61	3.01
	120	-3.70*	.726	.000	-5.51	-1.89
120	80	4.90*	.726	.000	3.09	6.71
	100	3.70*	.726	.000	1.89	5.51

Based on observed means.
The error term is Mean Square(Error) = 2.633.

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

Lampiran 1.5 Data hasil pengujian sudut kembali dari lipatan arah pakan
(dalam derajat)

Variasi	Konsentrasi (g/l)	P1	P2	P3	P4	P5
	Blanko	53	52	52	53	52
Tanpa UV	80	86	84	80	87	88
	100	87	86	91	86	88
	120	88	93	91	95	92
Sinar UV 60 menit	80	85	85	84	78	82
	100	81	84	85	83	87
	120	90	90	87	89	90

Lampiran 1.6 Data uji normalitas sudut kembali dari lipatan arah pakan

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for CRA_Pakan	.106	30	.200*	.955	30	.229

a. Lilliefors Significance Correction

*. This is a lower bound of the true significance.

Lampiran 1.7 Data uji subjek dan efek sudut kembali dari lipatan arah pakan

Dependent Variable: CRA_Pakan

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	292.267 ^a	5	58.453	9.635	.000
Intercept	225680.133	1	225680.133	37200.022	.000
Treatment	58.800	1	58.800	9.692	.005
Konsentrasi	230.867	2	115.433	19.027	.000
Treatment * Konsentrasi	2.600	2	1.300	.214	.809
Error	145.600	24	6.067		
Total	226118.000	30			
Corrected Total	437.867	29			

a. R Squared = .667 (Adjusted R Squared = .598)

Lampiran 1.8 Data uji post hoc sudut kembali dari lipatan arah lusi

CRA_Pakan
Tukey HSD

(I) Konsentrasi	(J) Konsentrasi	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
80.00	100.00	-1.9000	1.10151	.217	-4.6508	.8508
	120.00	-6.6000*	1.10151	.000	-9.3508	-3.8492
100.00	80.00	1.9000	1.10151	.217	-.8508	4.6508
	120.00	-4.7000*	1.10151	.001	-7.4508	-1.9492
120.00	80.00	6.6000*	1.10151	.000	3.8492	9.3508
	100.00	4.7000*	1.10151	.001	1.9492	7.4508

Based on observed means.
The error term is Mean Square(Error) = 6.067.

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

Lampiran 1.9 Data hasil pengujian kekuatan tarik arah lusi (kgf)

Variasi	Konsentrasi (g/l)	L1	L2	L3	L4	L5
Tanpa UV	80	22,508	21,816	20,289	21,34	22,02
	100	21,277	21,227	15,809	19,7	19,31
	120	18,371	20,094	16,598	16,79	18,22
Sinar UV 60 menit	80	21,57	21,375	19,156	19,86	20,54
	100	19,305	20,289	19,504	17,93	18,77
	120	19,996	17,137	16,152	18,25	17,84
BLANKO		25	23	25,07	23	23

Lampiran 1.10 Data uji normalitas kekuatan tarik arah lusi

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Kekuatan_Tarik_Lusi	.102	30	.200*	.956	30	.247

a. Lilliefors Significance Correction

*. This is a lower bound of the true significance.

Lampiran 1.11 Data uji subjek dan efek kekuatan tarik arah lusi

Dependent Variable: Kekuatan_Tarik_Lusi

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	51.610 ^a	5	10.322	5.382	.002
Intercept	11330.916	1	11330.916	5908.080	.000
Treatment	1.977	1	1.977	1.031	.320
Konsentrasi	48.335	2	24.168	12.601	.000
Treatment * Konsentrasi	1.298	2	.649	.338	.716
Error	46.029	24	1.918		
Total	11428.555	30			
Corrected Total	97.639	29			

a. R Squared = .529 (Adjusted R Squared = .430)

Lampiran 1.12 Data uji post hoc kekuatan tarik arah lusi

Kekuatan_Tarik_Lusi
Tukey HSD

(I) Konsentrasi	(J) Konsentrasi	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
80.00	100.00	1.7365*	.61933	.026	.1898	3.2832
	120.00	3.1018*	.61933	.000	1.5551	4.6485
	100.00	80.00	-1.7365*	.61933	.026	-3.2832
100.00	120.00	1.3653	.61933	.091	-1.814	2.9120
	80.00	80.00	-3.1018*	.000	-4.6485	-1.5551
	120.00	100.00	-1.3653	.61933	.091	-2.9120

Based on observed means.

The error term is Mean Square(Error) = 1.918.

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

Lampiran 1.13 Data hasil pengujian kekuatan tarik arah pakan (kgf)

Variasi	Konsentrasi (g/l)	P1	P2	P3	P4	P5
Tanpa UV	80	11,82	11,65	11,473	11,36	11,52
	100	9,64	9,949	9,75	9,56	9,52
	120	8,46	8,95	8,62	8,86	8,98
Sinar UV 60 menit	80	11,62	11,28	11,46	11,43	11,7
	100	9,6	9,5	9,45	9,46	9,85
	120	8,4	8,7	8,98	8,64	8,57
BLANKO		16	16	15,02	17	15

Lampiran 1.14 Data uji normalitas kekuatan tarik arah pakan

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Kekuatan_Tarik_Pakan	.120	30	.200 [*]	.968	30	.487

a. Lilliefors Significance Correction

*. This is a lower bound of the true significance.

Lampiran 1.15 Data uji subjek dan efek kekuatan tarik arah pakan

Dependent Variable: Kekuatan Tarik Pakan

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	41.333 ^a	5	8.267	234.300	.000
Intercept	2975.052	1	2975.052	84321.894	.000
Treatment	.071	1	.071	2.025	.168
Konsentrasi	41.258	2	20.629	584.687	.000
Treatment * Konsentrasi	.004	2	.002	.050	.951
Error	.847	24	.035		
Total	3017.232	30			
Corrected Total	42.180	29			

a. R Squared = .980 (Adjusted R Squared = .976)

Lampiran 1.16 Data uji post hoc kekuatan tarik arah pakan

Kekuatan_Tarik_Pakan
Tukey HSD

(I) Konsentrasi	(J) Konsentrasi	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
80.00	100.00	1.9030 [*]	.08400	.000	1.6932	2.1128
	120.00	2.8150 [*]	.08400	.000	2.6052	3.0248
100.00	80.00	-1.9030 [*]	.08400	.000	-2.1128	-1.6932
	120.00	.9120 [*]	.08400	.000	.7022	1.1218
120.00	80.00	-2.8150 [*]	.08400	.000	-3.0248	-2.6052
	100.00	-.9120 [*]	.08400	.000	-1.1218	-.7022

Based on observed means.

The error term is Mean Square(Error) = .035.

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

Lampiran 1.17 Data hasil pengujian derajat putih (WI)

Treatment	Konsentrasi (g/l)	X1	X2	X3	X4	X5
Blanko		52,16				
Tanpa UV	80	49,72	50,48	51,15	49,97	49,86
	100	50,5	51,08	51,21	51,19	51,49
	120	50,89	54,11	51,19	52,01	49,89
Sinar UV 60 menit	80	49,67	47,01	48,2	49,44	47,92
	100	48,66	46,67	48,44	48,32	48,33
	120	48,44	48,36	48,38	46,81	48,05

Lampiran 1.18 Data uji normalitas derajat putih

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Derajat_Putih	.125	30	.200*	.961	30	.323

a. Lilliefors Significance Correction

*. This is a lower bound of the true significance.

Lampiran 1.19 Data uji subjek dan efek derajat putih

Dependent Variable: Derajat_Putih

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	50.706 ^a	5	10.141	17.167	.000
Intercept	73353.141	1	73353.141	124167.764	.000
Treatment	48.235	1	48.235	81.649	.000
Konsentrasi	.323	2	.162	.274	.763
Treatment * Konsentrasi	2.148	2	1.074	1.818	.184
Error	14.178	24	.591		
Total	73418.026	30			
Corrected Total	64.884	29			

a. R Squared = .781 (Adjusted R Squared = .736)

Lampiran 1.20 Data uji post hoc derajat putih







Multiple Comparisons

Derajat_Putih
Tukey HSD

(I) Konsentrasi	(J) Konsentrasi	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
80.00	100.00	-.2470	.34373	.755	-1.1054	.6114
	120.00	-.0710	.34373	.977	-.9294	.7874
100.00	80.00	.2470	.34373	.755	-.6114	1.1054
	120.00	.1760	.34373	.866	-.6824	1.0344
120.00	80.00	.0710	.34373	.977	-.7874	.9294
	100.00	-.1760	.34373	.866	-1.0344	.6824

Based on observed means.
The error term is Mean Square(Error) = .591.

Lampiran 1.21 Sampel kain hasil percobaan

Konsentrasi Resin (g/l)	Treatment Kain	
	Tanpa UV	Sinar UV
80		
100		
120		

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