

LAMPIRAN



Lampiran 2. Uji Regresi Linear Sifat Fisik Emulgel Minyak Sereh Basis Karbopol 940

1. Uji Regresi Linear Viskositas Emulgel Minyak Sereh Basis Karbopol 940

Model Summary^a

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.970 ^a	.941	.933	.224

a. Predictors: (Constant), Viskositas

b. Dependent Variable: Konsentrasi

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	5.649	1	5.649	112.602	.000 ^a
	Residual	.351	7	.050		
	Total	6.000	8			

a. Predictors: (Constant), Viskositas

b. Dependent Variable: Konsentrasi

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.713	.142		5.007	.002
	Viskositas	.047	.004	.970	10.611	.000

a. Dependent Variable: Konsentrasi

2. Uji Regresi Linear pH Emulgel Minyak Sereh Basis Karbopol 940

Model Summary^a

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.953 ^a	.907	.894	.282

a. Predictors: (Constant), pH

b. Dependent Variable: Konsentrasi

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	5.444	1	5.444	68.527	.000 ^a
	Residual	.556	7	.079		
	Total	6.000	8			

a. Predictors: (Constant), pH

b. Dependent Variable: Konsentrasi

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	24.977	2.777		8.994	.000
	pH	-3.945	.477	-.953	-8.278	.000

a. Dependent Variable: Konsentrasi

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3. Uji Regresi Linear Daya Sebar Minyak Sereh Basis Karbopol 940

Model Summary^a

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.989 ^a	.979	.976	.134

a. Predictors: (Constant), Daya Sebar

b. Dependent Variable: Konsentrasi

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	5.874	1	5.874	325.766	.000 ^a
	Residual	.126	7	.018		
	Total	6.000	8			

a. Predictors: (Constant), Daya Sebar

b. Dependent Variable: Konsentrasi

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	4.458	.143		31.099	.000
	Daya Sebar	-.149	.008	-.989	-18.049	.000

a. Dependent Variable: Konsentrasi

4. Uji Regresi Linear Daya Lekat Minyak Sereh Basis Karbopol 940

Model Summary^a

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.878 ^a	.772	.739	.442

a. Predictors: (Constant), Daya Lekat

b. Dependent Variable: Konsentrasi

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	4.630	1	4.630	23.657	.002 ^a
	Residual	1.370	7	.196		
	Total	6.000	8			

a. Predictors: (Constant), Daya Lekat

b. Dependent Variable: Konsentrasi

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-2.284	.893		-2.558	.038
	Daya Lekat	1.830	.376	.878	4.864	.002

a. Dependent Variable: Konsentrasi

Lampiran 3. Uji Statistik Stabilitas Fisik Emulgel Minyak Sereh Basis Karbopol 940

1. Formula 1

a. Viskositas

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Viskositas F1	.174	21	.098	.924	21	.105

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

Viskositas F1

Levene Statistic	df1	df2	Sig.
.667	6	14	.678

ANOVA

Viskositas F1

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	14.952	6	2.492	3.738	.020
Within Groups	9.333	14	.667		
Total	24.286	20			

Multiple Comparisons

Viskositas F1
LSD

(I) Siklus	(J) Siklus	Mean Difference (I- J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
siklus 0	siklus 1	.333	.667	.625	-1.10	1.76
	siklus 2	1.000	.667	.156	-.43	2.43
	siklus 3	1.333	.667	.065	-.10	2.76
	siklus 4	1.667 [*]	.667	.025	.24	3.10
	siklus 5	2.333 [*]	.667	.004	.90	3.76
	siklus 6	2.333 [*]	.667	.004	.90	3.76

b. pH

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
pH F1	.126	21	.200 [*]	.954	21	.397

a. Lilliefors Significance Correction

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

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Test of Homogeneity of Variances

pH F1

Levene Statistic	df1	df2	Sig.
.784	6	14	.596

ANOVA

pH F1

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.144	6	.024	2.872	.049
Within Groups	.117	14	.008		
Total	.261	20			



Multiple Comparisons

pH F1

LSD

(I) Siklus	(J) Siklus	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
siklus 0	siklus 1	.06667	.07458	.386	-.0933	.2266
	siklus 2	.11333	.07458	.151	-.0466	.2733
	siklus 3	.13667	.07458	.088	-.0233	.2966
	siklus 4	.19333 [*]	.07458	.021	.0334	.3533
	siklus 5	.23333 [*]	.07458	.007	.0734	.3933
	siklus 6	.24333 [*]	.07458	.006	.0834	.4033

c. Daya Sebar

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Daya Sebar F1	.108	21	.200 [*]	.967	21	.671

a. Lilliefors Significance Correction

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

Test of Homogeneity of Variances

Daya Sebar F1

Levene Statistic	df1	df2	Sig.
1.022	6	14	.451

ANOVA

Daya Sebar F1

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	21.710	6	3.618	14.802	.000
Within Groups	3.422	14	.244		
Total	25.133	20			

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Multiple Comparisons

Daya Sebar F1
LSD

(I) Siklus	(J) Siklus	Mean Difference (I- J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
siklus 0	siklus 1	-.30667	.40369	.460	-1.1725	.5592
	siklus 2	-.82333	.40369	.061	-1.6892	.0425
	siklus 3	-1.25333 [*]	.40369	.008	-2.1192	-.3875
	siklus 4	-1.81000 [*]	.40369	.001	-2.6758	-.9442
	siklus 5	-2.42333 [*]	.40369	.000	-3.2892	-1.5575
	siklus 6	-2.98667 [*]	.40369	.000	-3.8525	-2.1208

d. Daya Lekat

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Daya Lekat F1	.327	21	.000	.745	21	.000

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

Daya Lekat F1

Levene Statistic	df1	df2	Sig.
5.558	6	14	.004

Test Statistics^{a,b}

	Daya Lekat F1
Chi-Square	9.952
df	6
Asymp. Sig.	.127

a. Kruskal Wallis Test

b. Grouping Variable: Siklus

2. Formula 2

a. Viskositas

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Viskositas F2	.177	21	.086	.941	21	.230

a. Lilliefors Significance Correction

Lanjutan Lampiran 3...

Test of Homogeneity of Variances

Viskositas F2

Levene Statistic	df1	df2	Sig.
.383	6	14	.878

ANOVA

Viskositas F2

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	34.286	6	5.714	2.069	.123
Within Groups	38.667	14	2.762		
Total	72.952	20			

b. pH

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
pH F2	.159	21	.178	.875	21	.012

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

pH F2

Levene Statistic	df1	df2	Sig.
1.128	6	14	.396

Test Statistics^{a,b}

	pH F2
Chi-Square	10.423
df	6
Asymp. Sig.	.108

a. Kruskal Wallis Test

b. Grouping Variable: Siklus

c. Daya Sebar

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Daya Sebar F2	.102	21	.200 [*]	.951	21	.363

a. Lilliefors Significance Correction

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

Test of Homogeneity of Variances

Viskositas F3

Levene Statistic	df1	df2	Sig.
1.619	6	14	.214

Test of Homogeneity of Variances

Dava Sebar F2

Levene Statistic	df1	df2	Sig.
.205	6	14	.970

ANOVA

Dava Sebar F2

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	8.235	6	1.373	2.001	.134
Within Groups	9.603	14	.686		
Total	17.838	20			

d. Daya Lekat

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Daya Lekat F2	.132	21	.200 [*]	.976	21	.856

a. Lilliefors Significance Correction

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

Test of Homogeneity of Variances

Dava Lekat F2

Levene Statistic	df1	df2	Sig.
1.491	6	14	.251

ANOVA

Dava Lekat F2

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.014	6	.002	2.114	.117
Within Groups	.015	14	.001		
Total	.029	20			

3. Formula 3

a. Viskositas

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Viskositas F3	.250	21	.001	.882	21	.016

a. Lilliefors Significance Correction

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Test Statistics ^{a,b}	
	Viskositas F3
Chi-Square	14.597
df	6
Asymp. Sig.	.024
a. Kruskal Wallis Test	
b. Grouping Variable: Siklus	

Ranks				
	Siklus	N	Mean Rank	Sum of Ranks
Viskositas F3	siklus 0	3	4.00	12.00
	siklus 1	3	3.00	9.00
	Total	6		

Test Statistics^b

	Viskositas F3
Mann-Whitney U	3.000
Wilcoxon W	9.000
Z	-.745
Asymp. Sig. (2-tailed)	.456
Exact Sig. [2*(1-tailed Sig.)]	.700 ^a

a. Not corrected for ties.

b. Grouping Variable: Siklus

Ranks				
	Siklus	N	Mean Rank	Sum of Ranks
Viskositas F3	siklus 0	3	4.50	13.50
	siklus 2	3	2.50	7.50
	Total	6		

Test Statistics^b

	Viskositas F3
Mann-Whitney U	1.500
Wilcoxon W	7.500
Z	-1.581
Asymp. Sig. (2-tailed)	.114
Exact Sig. [2*(1-tailed Sig.)]	.200 ^a

a. Not corrected for ties.

b. Grouping Variable: Siklus

Ranks				
	Siklus	N	Mean Rank	Sum of Ranks
Viskositas F3	siklus 0	3	4.67	14.00
	siklus 3	3	2.33	7.00
	Total	6		

Test Statistics^b

	Viskositas F3
Mann-Whitney U	1.000
Wilcoxon W	7.000
Z	-1.650
Asymp. Sig. (2-tailed)	.099
Exact Sig. [2*(1-tailed Sig.)]	.200 ^a

a. Not corrected for ties.

b. Grouping Variable: Siklus

Ranks				
	Siklus	N	Mean Rank	Sum of Ranks
Viskositas F3	siklus 0	3	4.83	14.50
	siklus 4	3	2.17	6.50
	Total	6		

Test Statistics^b

	Viskositas F3
Mann-Whitney U	.500
Wilcoxon W	6.500
Z	-1.798
Asymp. Sig. (2-tailed)	.072
Exact Sig. [2*(1-tailed Sig.)]	.100 ^a

a. Not corrected for ties.

b. Grouping Variable: Siklus

Ranks				
	Siklus	N	Mean Rank	Sum of Ranks
Viskositas F3	siklus 0	3	5.00	15.00
	siklus 5	3	2.00	6.00
	Total	6		

Test Statistics ^b	
	Viskositas F3
Mann-Whitney U	.000
Wilcoxon W	6.000
Z	-2.023
Asymp. Sig. (2-tailed)	.043
Exact Sig. [2*(1-tailed Sig.)]	.100 ^a

a. Not corrected for ties.
b. Grouping Variable: Siklus

Ranks				
	Siklus	N	Mean Rank	Sum of Ranks
Viskositas F3	siklus 0	3	5.00	15.00
	siklus 6	3	2.00	6.00
	Total	6		

Test Statistics ^b	
	Viskositas F3
Mann-Whitney U	.000
Wilcoxon W	6.000
Z	-2.023
Asymp. Sig. (2-tailed)	.043
Exact Sig. [2*(1-tailed Sig.)]	.100 ^a

a. Not corrected for ties.
b. Grouping Variable: Siklus

b. pH



Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
pH F3	.120	21	.200 [*]	.969	21	.717

a. Lilliefors Significance Correction

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

Test of Homogeneity of Variances

pH F3

Levene Statistic	df1	df2	Sig.
1.024	6	14	.450

ANOVA

pH F3

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.063	6	.010	13.079	.000
Within Groups	.011	14	.001		
Total	.074	20			

Multiple Comparisons

pH F3
LSD

(I) Siklus	(J) Siklus	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
siklus 0	siklus 1	.01667	.02309	.482	-.0329	.0662
	siklus 2	.04333	.02309	.082	-.0062	.0929
	siklus 3	.08667 [*]	.02309	.002	.0371	.1362
	siklus 4	.10667 [*]	.02309	.000	.0571	.1562
	siklus 5	.14333 [*]	.02309	.000	.0938	.1929
	siklus 6	.14667 [*]	.02309	.000	.0971	.1962

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c. Daya Sebar

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Daya Sebar F3	.173	21	.101	.914	21	.066

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

Daya Sebar F3

Levene Statistic	df1	df2	Sig.
1.354	6	14	.299

ANOVA

Daya Sebar F3

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1.211	6	.202	8.648	.000
Within Groups	.327	14	.023		
Total	1.537	20			

Multiple Comparisons

Daya Sebar F3
LSD

(I) Siklus	(J) Siklus	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
siklus 0	siklus 1	-.16333	.12472	.211	-.4308	.1042
	siklus 2	-.40333 [*]	.12472	.006	-.6708	-.1358
	siklus 3	-.48000 [*]	.12472	.002	-.7475	-.2125
	siklus 4	-.61000 [*]	.12472	.000	-.8775	-.3425
	siklus 5	-.66667 [*]	.12472	.000	-.9342	-.3992
	siklus 6	-.66667 [*]	.12472	.000	-.9342	-.3992

d. Daya Lekat

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Daya Lekat F3	.372	21	.000	.688	21	.000

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

Daya Lekat F3

Levene Statistic	df1	df2	Sig.
.111	6	14	.994

Test Statistics^{a,b}

	Daya Lekat F3
Chi-Square	3.777
df	6
Asymp. Sig.	.707

a. Kruskal Wallis Test

b. Grouping Variable: Siklus

Lampiran 4. Stabilitas Fisik Emulgel Minyak Sereh Basis Karbopol 940

1. Formula 1

Sik-lus	Repli-kasi	Pengujian							
		Organoleptik			Homoge-nitas	pH	Daya Lekat (detik)	Daya Sebar (cm ²)	Visko-sitas (dPa-s)
		Warna	Bentuk	Bau					
0	1	Kuning pucat	Semi kental	Khas sereh	Homogen	6.04	2.06	22.05	11
	2	Kuning pucat	Semi kental	Khas sereh	Homogen	6.08	2.04	22.72	10
	3	Kuning pucat	Semi kental	Khas sereh	Homogen	6.15	1.56	23.49	9
1	1	Kuning pucat	Semi kental	Khas sereh	Homogen	5.88	2.02	22.55	10
	2	Kuning pucat	Semi kental	Khas sereh	Homogen	6.06	2.01	22.97	10
	3	Kuning pucat	Semi kental	Khas sereh	Homogen	6.13	1.51	23.66	9
2	1	Kuning pucat	Semi kental	Khas sereh	Homogen	5.87	2.02	22.89	10
	2	Kuning pucat	Semi kental	Khas sereh	Homogen	5.97	1.56	23.83	9
	3	Kuning pucat	Semi kental	Khas sereh	Homogen	6.09	1.46	24.01	8
3	1	Kuning pucat	Semi kental	Khas sereh	Homogen	5.83	1.58	23.66	9
	2	Kuning pucat	Semi kental	Khas sereh	Homogen	5.98	1.52	24.18	9
	3	Kuning pucat	Semi kental	Khas sereh	Homogen	6.05	1.44	24.18	8
4	1	Kuning pucat	Semi kental	Khas sereh	Homogen	5.81	1.53	24.01	9
	2	Kuning pucat	Semi kental	Khas sereh	Homogen	5.93	1.57	24.53	9
	3	Kuning pucat	Semi kental	Khas sereh	Homogen	5.95	1.37	25.15	7
5	1	Kuning pucat	Semi kental	Khas sereh	Homogen	5.79	1.49	24.97	8
	2	Kuning pucat	Semi kental	Khas sereh	Homogen	5.87	1.53	25.15	8
	3	Kuning pucat	Semi kental	Khas sereh	Homogen	5.91	1.42	25.41	7
6	1	Kuning pucat	Semi kental	Khas sereh	Homogen	5.77	1.47	25.77	8
	2	Kuning pucat	Semi kental	Khas sereh	Homogen	5.88	1.41	25.50	8

		pucat	kental	sereh					
	3	Kuning pucat	Semi kental	Khas sereh	Homogen	5.89	1.44	25.95	7

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2. Formula 2

Sik-lus	Repli-kasi	Pengujian							
		Organoleptik			Homoge-nitas	pH	Daya Lekat (detik)	Daya Sebar (cm ²)	Visko-sitas (dPa-s)
		Warna	Bentuk	Bau					
0	1	Kuning pucat	Semi kental	Khas sereh	Homogen	5.77	2.39	18.31	19
	2	Kuning pucat	Semi kental	Khas sereh	Homogen	5.73	2.43	16.11	23
	3	Kuning pucat	Semi kental	Khas sereh	Homogen	5.76	2.40	17.12	23
1	1	Kuning pucat	Semi kental	Khas sereh	Homogen	5.65	2.37	18.39	18
	2	Kuning pucat	Semi kental	Khas sereh	Homogen	5.46	2.40	16.61	20
	3	Kuning pucat	Semi kental	Khas sereh	Homogen	5.56	2.38	17.27	21
2	1	Kuning pucat	Semi kental	Khas sereh	Homogen	5.62	2.35	18.54	18
	2	Kuning pucat	Semi kental	Khas sereh	Homogen	5.43	2.37	17.27	19
	3	Kuning pucat	Semi kental	Khas sereh	Homogen	5.57	2.36	17.93	21
3	1	Kuning pucat	Semi kental	Khas sereh	Homogen	5.58	2.35	18.92	17
	2	Kuning pucat	Semi kental	Khas sereh	Homogen	5.45	2.38	17.41	19
	3	Kuning pucat	Semi kental	Khas sereh	Homogen	5.52	2.33	18.54	20
4	1	Kuning pucat	Semi kental	Khas sereh	Homogen	5.56	2.31	19.16	17
	2	Kuning pucat	Semi kental	Khas sereh	Homogen	5.44	2.40	17.71	19
	3	Kuning pucat	Semi kental	Khas sereh	Homogen	5.48	2.34	18.85	20
5	1	Kuning pucat	Semi kental	Khas sereh	Homogen	5.53	2.28	19.31	16
	2	Kuning pucat	Semi kental	Khas sereh	Homogen	5.46	2.37	17.79	18

	3	Kuning pucat	Semi kental	Khas sereh	Homogen	5.46	2.32	19.08	19
6	1	Kuning pucat	Semi kental	Khas sereh	Homogen	5.52	2.30	19.39	16
	2	Kuning pucat	Semi kental	Khas sereh	Homogen	5.43	2.39	18.16	18
	3	Kuning pucat	Semi kental	Khas sereh	Homogen	5.43	2.33	19.39	19

Lanjutan Lampiran 4...

3. Formula 3

Sik-lus	Repli-kasi	Pengujian							
		Organoleptik			Homoge-nitas	pH	Daya Lekat (detik)	Daya Sebar (cm ²)	Visko-sitas (dPa-s)
		Warna	Bentuk	Bau					
0	1	Kuning pucat	Semi kental	Khas sereh	Homogen	5.66	2.59	9.56	50
	2	Kuning pucat	Semi kental	Khas sereh	Homogen	5.59	2.58	9.40	49
	3	Kuning pucat	Semi kental	Khas sereh	Homogen	5.64	2.59	9.84	50
1	1	Kuning pucat	Semi kental	Khas sereh	Homogen	5.65	2.59	9.67	50
	2	Kuning pucat	Semi kental	Khas sereh	Homogen	5.57	2.58	9.73	49
	3	Kuning pucat	Semi kental	Khas sereh	Homogen	5.62	2.58	9.89	49
2	1	Kuning pucat	Semi kental	Khas sereh	Homogen	5.61	2.58	9.89	49
	2	Kuning pucat	Semi kental	Khas sereh	Homogen	5.56	2.58	9.89	49
	3	Kuning pucat	Semi kental	Khas sereh	Homogen	5.59	2.57	10.23	49
3	1	Kuning pucat	Semi kental	Khas sereh	Homogen	5.56	2.57	9.95	49
	2	Kuning pucat	Semi kental	Khas sereh	Homogen	5.52	2.57	10	48
	3	Kuning pucat	Semi kental	Khas sereh	Homogen	5.55	2.57	10.29	49
4	1	Kuning pucat	Semi kental	Khas sereh	Homogen	5.51	2.57	10.12	48
	2	Kuning pucat	Semi kental	Khas sereh	Homogen	5.53	2.56	10.17	47
	3	Kuning pucat	Semi kental	Khas sereh	Homogen	5.53	2.56	10.34	49
5	1	Kuning	Semi	Khas	Homogen	5.49	2.56	10.17	48

		pucat	kental	sereh					
	2	Kuning pucat	Semi kental	Khas sereh	Homogen	5.5	2.55	10.29	47
	3	Kuning pucat	Semi kental	Khas sereh	Homogen	5.47	2.56	10.34	48
6	1	Kuning pucat	Semi kental	Khas sereh	Homogen	5.52	2.55	10.17	48
	2	Kuning pucat	Semi kental	Khas sereh	Homogen	5.48	2.55	10.29	47
	3	Kuning pucat	Semi kental	Khas sereh	Homogen	5.45	2.56	10.34	48

Lampiran 5. Perhitungan HLB Emulgel Minyak Sereh

HLB =

$$\left(\frac{\text{Tween 80 (g)}}{\text{Tween 80 (g) + Span 80 (g)}} \times \text{HLB tween 80} \right) + \left(\frac{\text{Span 80 (g)}}{\text{Tween 80 (g) + Span 80 (g)}} \times \text{HLB Span 80} \right)$$

$$\left(\frac{17,5}{17,5 + 2,5} \times 15 \right) + \left(\frac{2,5}{17,5 + 2,5} \times 15 \right) = 13,687$$

Lampiran 6. Emulgel Minyak Sereh Basis Karbopol 940

1. Siklus 0



Replikasi 1



Replikasi 2



Replikasi 3

2. Siklus 1



Formula 1



Formula 2

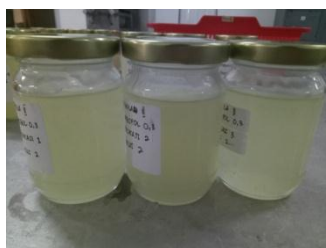


Formula 3

3. Siklus 2



Formula 1



Formula 2



Formula 3

4. Siklus 3



Formula 1



Formula 2



Formula 3

Lanjutan Lampiran 6...

5. Siklus 4



Formula 1



Formula 2



Formula 3

6. Siklus 5



Formula 1



Formula 2



Formula 3

7. Siklus 6



Formula 1



Formula 2



Formula 3

