LAMPIRAN

Lampiran 1. Determinasi Tanaman Biji Pepaya



HERBARIUM UNIVERSITAS ANDALAS (ANDA)

Departemen Biologi FMIPA Universitas Andalas Kampus Limau Manih Padang
Sumbar Indonesia 25163 Telp. +62-751-777427 e-mail: herbariumanda@yahoo.com

HASIL IDENTIFKASI

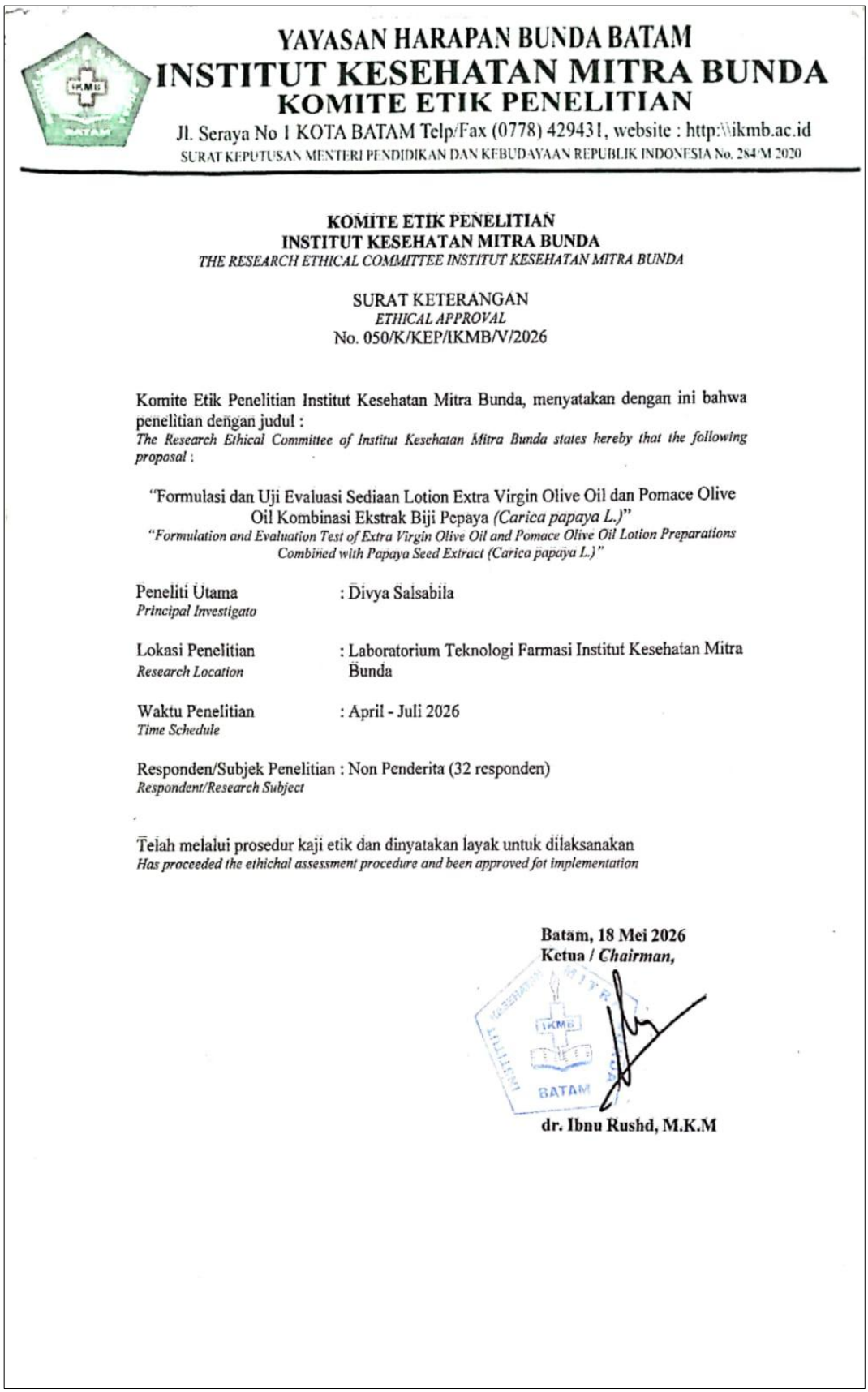
Nama : Apt. Tommy Julianto, M.Sc., PhD
Instansi : Institut Kesehatan Mitra Bunda

No	Family	Spesies	Nama Koleksi
1.	Caricaceae	*Carica papaya* L.	IKMB. 22.4. Daun Pepaya
2.	Apiaceae	*Centella asiatica* (L.) Urb.	IKMB. 22.84 Daun Pegagan
3.	Moringaceae	*Moringa oleifera* Lam.	IKMB. 22.85. Daun Kelor
4.	Oxalidaceae	*Averrhoa bilimbi* L.	IKMB. 22.19. Daun Belimbing Wuluh
5.	Caricaceae	*Carica papaya* L.	IKMB. 22.58. Biji Pepaya
6.	Euphorbiaceae	*Manihot esculenta* Crantz	IKMB. 22.68. Singkong
7.	Malvaceae	*Hibiscus sabdariffa* L.	IKMB. 22.83. Bunga Rosella

Padang, 27 Januari 2026
Kepala,

Dr. Nurainas
NIP. 196908141995122001

Lampiran 2. Surat Hasil Kaji Etik



YAYASAN HARAPAN BUNDA BATAM
INSTITUT KESEHATAN MITRA BUNDA
KOMITE ETIK PENELITIAN
Jl. Seraya No 1 KOTA BATAM Telp/Fax (0778) 429431, website : http:\\ikmb.ac.id
SURAT KEPUTUSAN MENTERI PENDIDIKAN DAN KEBUDAYAAN REPUBLIK INDONESIA No. 284/M 2020

KOMITE ETIK PENELITIAN
INSTITUT KESEHATAN MITRA BUNDA
THE RESEARCH ETHICAL COMMITTEE INSTITUT KESEHATAN MITRA BUNDA

SURAT KETERANGAN
ETHICAL APPROVAL
No. 050/K/KEP/IKMB/V/2026

Komite Etik Penelitian Institut Kesehatan Mitra Bunda, menyatakan dengan ini bahwa penelitian dengan judul :
The Research Ethical Committee of Institut Kesehatan Mitra Bunda states hereby that the following proposal :

"Formulasi dan Uji Evaluasi Sediaan Lotion Extra Virgin Olive Oil dan Pomace Olive Oil Kombinasi Ekstrak Biji Pepaya *(Carica papaya L.)*"
"Formulation and Evaluation Test of Extra Virgin Olive Oil and Pomace Olive Oil Lotion Preparations Combined with Papaya Seed Extract (Carica papaya L.)"

Peneliti Utama : Divya Salsabila
Principal Investigato

Lokasi Penelitian : Laboratorium Teknologi Farmasi Institut Kesehatan Mitra Bunda
Research Location

Waktu Penelitian : April - Juli 2026
Time Schedule

Responden/Subjek Penelitian : Non Penderita (32 responden)
Respondent/Research Subject

Telah melalui prosedur kaji etik dan dinyatakan layak untuk dilaksanakan
Has proceeded the ethichal assessment procedure and been approved fot implementation

Batam, 18 Mei 2026
Ketua / *Chairman,*

dr. Ibnu Rushd, M.K.M

Lampiran 3. ***Informed Consent***

INFORMED CONSENT

(Lembar Persetujuan Responden)

Saya yang bertanda tangan di bawah ini :

Nama :

Umur :

Alamat :

Menyatakan bersedia menjadi responden kepada :

Nama : Divya Salsabila

NIM : 61608100822032

Instansi : Program Studi Sarjana Farmasi

No. HP : 082169028378

Untuk melaksanakan penelitian dengan judul **"Formulasi dan Uji Evaluasi Sediaan Lotion *Extra Virgin Olive Oil* dan *Pomace Olive Oil* Kombinasi Ekstrak Biji Pepaya (*Carica papaya L.*)"**. Saya yang bertandatangan di bawah ini menyatakan bahwa saya telah mendapat penjelasan secara rinci dan telah mengerti mengenai penelitian yang akan dilakukan. Saya memutuskan setuju untuk ikut berpartisipasi pada penelitian ini.

Batam,…/…/2026

Peneliti Responden

Divya Salsabila ..……

NIM: 61608100822032

Lampiran 4. Lembar Uji Hedonik

KUESIONER UJI SENSORI SEDIAAN LOTION

Mohon dibaca dan diberi tanda (✓) pada pernyataan berikut jika sesuai dengan kondisi anda :

- Saya dalam kondisi sehat dan tidak memiliki gangguan sensori (penglihatan, penciuman, perabaan).
- Saya tidak memiliki Riwayat alergi terhadap bahan yang terkandung dalam sediaan lotion.

Petunjuk pengisian :

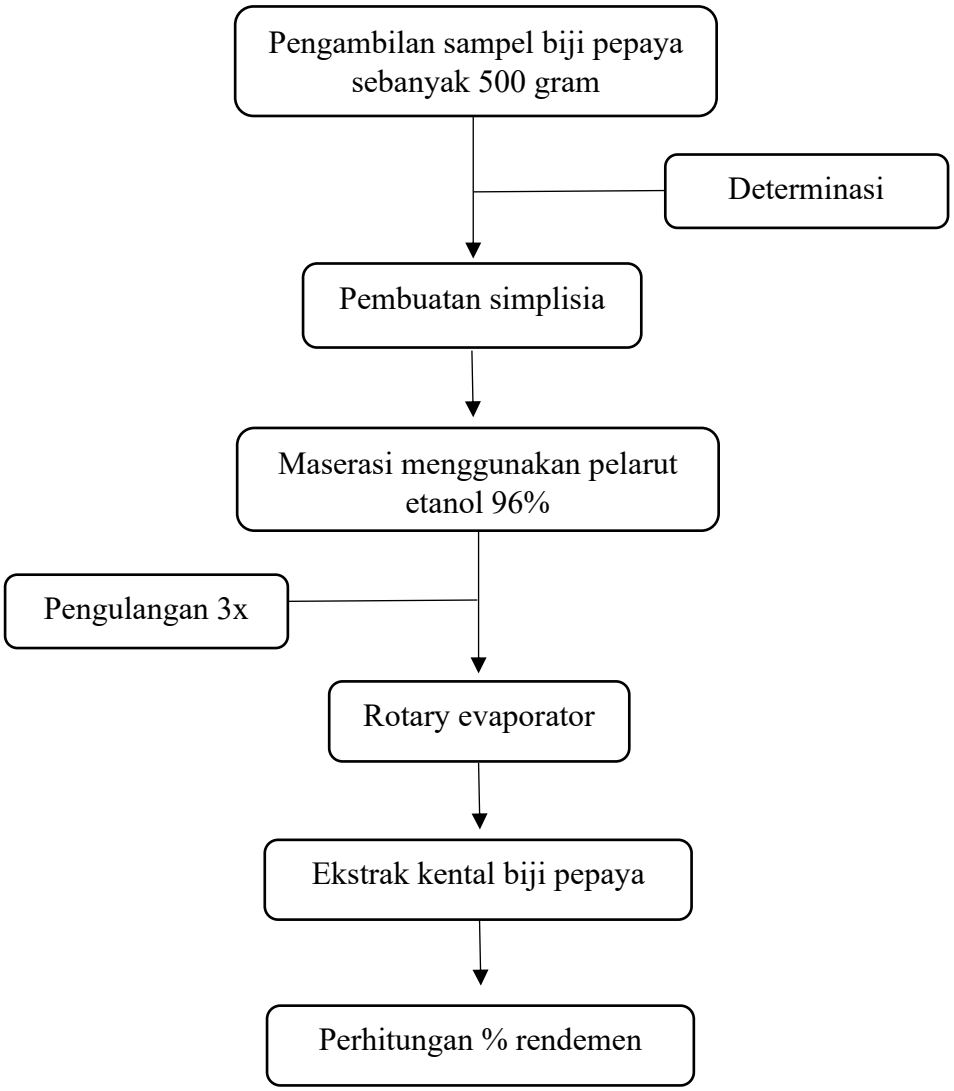
- Anda akan mencoba 6 sampel lotion dengan berbeda (F1, F2, F3, F4, F5, F6).
- Amati dan nilai warna, aroma sediaan, tekstur sediaan, kecepatan oles, daya hambatan, *Oilness*, rasa lengket setelah penggunaan, tingkat kelembapan setelah digunakan, kenyamanan penggunaan.
- Gunakan tisu atau air untuk membersihkan area uji sebelum mencoba sampel berikutnya
- Berikan penilaian tingkat kesukaan anda dengan angka 1 sampai 10 sesuai keterangan dibawah tabel.

Indikator	Kode Sampel					
	F1	F2	F3	F4	F5	F6
Warna sediaan						
Aroma sediaan						
Texture sediaan						
Kecepatan oles						
Daya hambatan						
Oilness						
Rasa lengket setelah digunakan						
Tingkat kelembapan setelah digunakan						
Kenyamanan penggunaan						

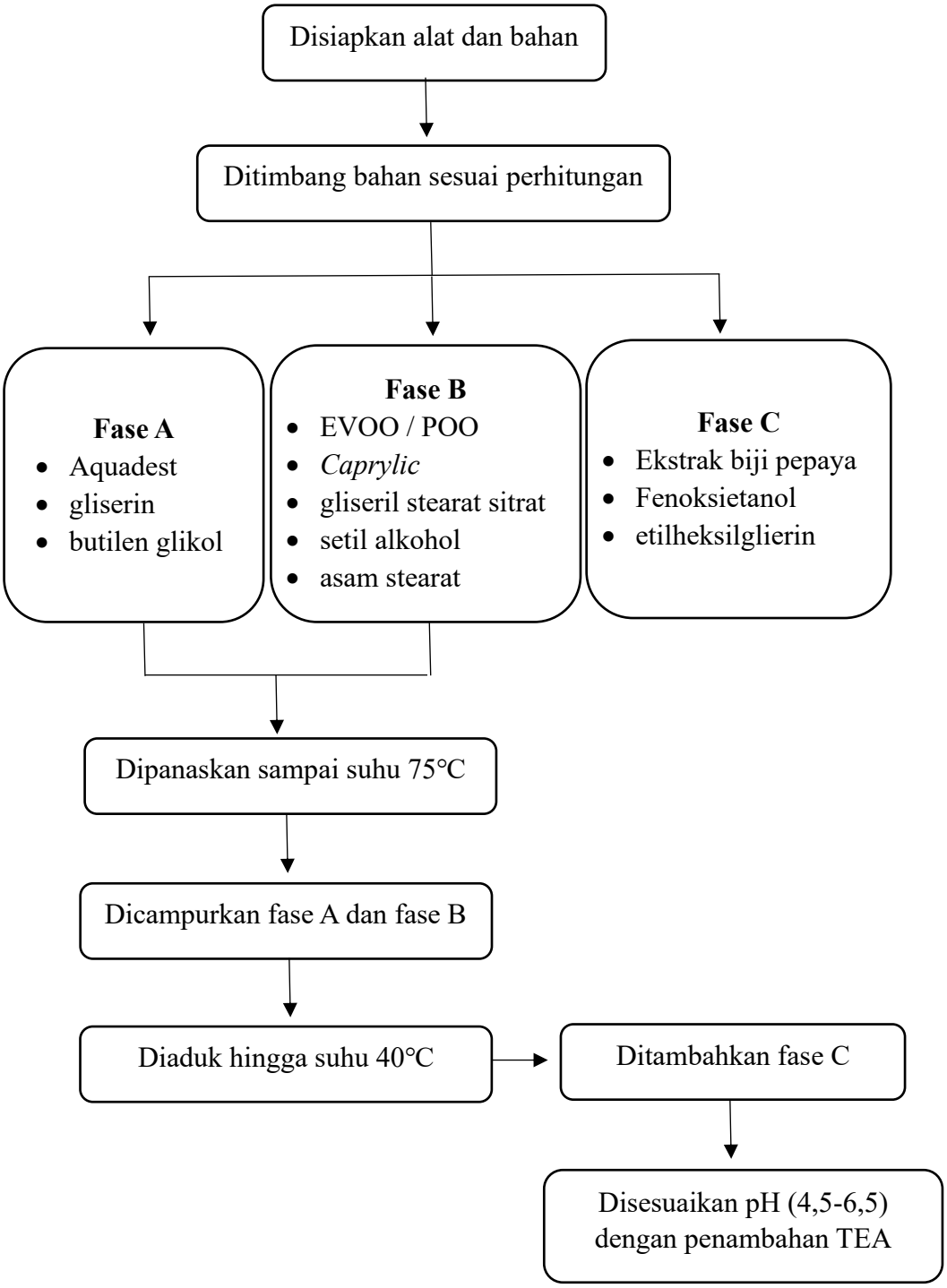
Keterangan :

(1) Sangat tidak suka
(2) Buruk
(3) Kurang baik
(4) Agak kurang baik
(5) Cukup
(6) Agak baik
(7) Baik
(8) Sangat baik
(9) Hampir sempurna
(10) Sangat suka

Lampiran 5. Skema Pembuatan Ekstrak Biji Pepaya



Lampiran 6. Skema Pembuatan Lotion *Extra Virgin Olive Oil dan Pomace Olive Oil* Kombinasi Ekstrak Biji Pepaya



Lampiran 7. Perhitungan Bahan

Formulasi 1

- Ekstrak biji pepaya = $\left(\frac{1}{100} \text{ x } 100\right) + 10\% = 1{,}1$ g
- *Extra virgin olive oil* = $\left(\frac{5}{100} \text{ x } 100\right) + 10\% = 5{,}5$ g
- Caprylic = $\left(\frac{2}{100} \text{ x } 100\right) + 10\% = 2{,}2$ g
- Gliseril stearat sitrat = $\left(\frac{3}{100} \text{ x } 100\right) + 10\% = 3{,}3$ g
- Setil alkohol = $\left(\frac{1}{100} \text{ x } 100\right) + 10\% = 1{,}1$ g
- Asam stearat = $\left(\frac{0{,}5}{100} \text{ x } 100\right) + 10\% = 0{,}55$ g
- Gliserin = $\left(\frac{5}{100} \text{ x } 100\right) + 10\% = 5{,}5$ g
- Butilen glikol = $\left(\frac{2}{100} \text{ x } 100\right) + 10\% = 2{,}2$ g
- Fenoksietanol + etilheksilgliserin = $\left(\frac{1}{100} \text{ x } 100\right) + 10\% = 1{,}1$ g
- Tea = 2 tetes
- Aquadest = 100 + 10% = 110

  = 110 - (1,1+5,5+2,2+3,3+1,1+0,55+5,5+2,2+1,1)

  = 87,45 ml

Formulasi 2

- Ekstrak biji pepaya = $\left(\frac{1}{100} \text{ x } 100\right) + 10\% = 1{,}1$ g
- *Extra virgin olive oil* = $\left(\frac{5}{100} \text{ x } 100\right) + 10\% = 5{,}5$ g
- Caprylic = $\left(\frac{2}{100} \text{ x } 100\right) + 10\% = 2{,}2$ g
- Gliseril stearat sitrat = $\left(\frac{4}{100} \text{ x } 100\right) + 10\% = 4{,}4$ g
- Setil alkohol = $\left(\frac{2}{100} \text{ x } 100\right) + 10\% = 2{,}2$ g
- Asam stearat = $\left(\frac{1}{100} \text{ x } 100\right) + 10\% = 1{,}1$ g
- Gliserin = $\left(\frac{5}{100} \text{ x } 100\right) + 10\% = 5{,}5$ g
- Butilen glikol = $\left(\frac{2}{100} \text{ x } 100\right) + 10\% = 2{,}2$ g
- Fenoksietanol + etilheksilgliserin = $\left(\frac{1}{100} \text{ x } 100\right) + 10\% = 1{,}1$ g

- Tea = 2 tetes
- Aquadest = 100 + 10% = 110
  =110 - (1,1+5,5+2,2+4,4+2,2+1,1+5,5+2,2+1,1)
  = 84,7 ml

Formulasi 3

- Ekstrak biji pepaya = $\left(\frac{1}{100} \text{ x } 100\right) + 10\% = 1{,}1$ g
- *Extra virgin olive oil* = $\left(\frac{5}{100} \text{ x } 100\right) + 10\% = 5{,}5$ g
- Caprylic = $\left(\frac{2}{100} \text{ x } 100\right) + 10\% = 2{,}2$ g
- Gliseril stearat sitrat = $\left(\frac{5}{100} \text{ x } 100\right) + 10\% = 5{,}5$ g
- Setil alkohol = $\left(\frac{3}{100} \text{ x } 100\right) + 10\% = 3{,}3$ g
- Asam stearat = $\left(\frac{1{,}5}{100} \text{ x } 100\right) + 10\% = 1{,}65$ g
- Gliserin = $\left(\frac{5}{100} \text{ x } 100\right) + 10\% = 5{,}5$ g
- Butilen glikol = $\left(\frac{2}{100} \text{ x } 100\right) + 10\% = 2{,}2$ g
- Fenoksietanol + etilheksilgliserin = $\left(\frac{1}{100} \text{ x } 100\right) + 10\% = 1{,}1$ g
- Tea = 2 tetes
- Aquadest = 100 + 10% = 110
  =110 - (1,1+5,5+2,2+5,5+3,3+1,65+5,5+2,2+1,1)
  = 81,95 ml

Formulasi 4

- Ekstrak biji pepaya = $\left(\frac{1}{100} \text{ x } 100\right) + 10\% = 1{,}1$ g
- *Pomace olive oil* = $\left(\frac{5}{100} \text{ x } 100\right) + 10\% = 5{,}5$ g
- Caprylic = $\left(\frac{2}{100} \text{ x } 100\right) + 10\% = 2{,}2$ g
- Gliseril stearat sitrat = $\left(\frac{3}{100} \text{ x } 100\right) + 10\% = 3{,}3$ g
- Setil alkohol = $\left(\frac{1}{100} \text{ x } 100\right) + 10\% = 1{,}1$ g
- Asam stearat = $\left(\frac{0{,}5}{100} \text{ x } 100\right) + 10\% = 0{,}55$ g
- Gliserin = $\left(\frac{5}{100} \text{ x } 100\right) + 10\% = 5{,}5$ g

- Butilen glikol = $\left(\frac{2}{100}\ \text{x}\ 100\right) + 10\% = 2{,}2$ g
- Fenoksietanol + etilheksilgliserin = $\left(\frac{1}{100}\ \text{x}\ 100\right) + 10\% = 1{,}1$ g
- Tea = 2 tetes
- Aquadest = 100 + 10% = 110
  = 110 - (1,1+5,5+2,2+3,3+1,1+0,55+5,5+2,2+1,1)
  = 87,45 ml

Formulasi 5

- Ekstrak biji pepaya = $\left(\frac{1}{100}\ \text{x}\ 100\right) + 10\% = 1{,}1$ g
- *Pomace olive oil* = $\left(\frac{5}{100}\ \text{x}\ 100\right) + 10\% = 5{,}5$ g
- Caprylic = $\left(\frac{2}{100}\ \text{x}\ 100\right) + 10\% = 2{,}2$ g
- Gliseril stearat sitrat = $\left(\frac{4}{100}\ \text{x}\ 100\right) + 10\% = 4{,}4$ g
- Setil alkohol = $\left(\frac{2}{100}\ \text{x}\ 100\right) + 10\% = 2{,}2$ g
- Asam stearat = $\left(\frac{1}{100}\ \text{x}\ 100\right) + 10\% = 1{,}1$ g
- Gliserin = $\left(\frac{5}{100}\ \text{x}\ 100\right) + 10\% = 5{,}5$ g
- Butilen glikol = $\left(\frac{2}{100}\ \text{x}\ 100\right) + 10\% = 2{,}2$ g
- Fenoksietanol + etilheksilgliserin = $\left(\frac{1}{100}\ \text{x}\ 100\right) + 10\% = 1{,}1$ g
- Tea = 2 tetes
- Aquadest = 100 + 10% = 110
  =110 - (1,1+5,5+2,2+4,4+2,2+1,1+5,5+2,2+1,1)
  = 84,7 ml

Formulasi 6

- Ekstrak biji pepaya = $\left(\frac{1}{100}\ \text{x}\ 100\right) + 10\% = 1{,}1$ g
- *Pomace olive oil* = $\left(\frac{5}{100}\ \text{x}\ 100\right) + 10\% = 5{,}5$ g
- Caprylic = $\left(\frac{2}{100}\ \text{x}\ 100\right) + 10\% = 2{,}2$ g
- Gliseril stearat sitrat = $\left(\frac{5}{100}\ \text{x}\ 100\right) + 10\% = 5{,}5$ g
- Setil alkohol = $\left(\frac{3}{100}\ \text{x}\ 100\right) + 10\% = 3{,}3$ g

- Asam stearat = $\left(\frac{1,5}{100}\ \text{x}\ 100\right) + 10\% = 1,65$ g
- Gliserin = $\left(\frac{5}{100}\ \text{x}\ 100\right) + 10\% = 5,5$ g
- Butilen glikol = $\left(\frac{2}{100}\ \text{x}\ 100\right) + 10\% = 2,2$ g
- Fenoksietanol + etilheksilgliserin = $\left(\frac{1}{100}\ \text{x}\ 100\right) + 10\% = 1,1$ g
- Tea = 2 tetes
- Aquadest = 100 + 10% = 110

  =110 - (1,1+5,5+2,2+5,5+3,3+1,65+5,5+2,2+1,1)

  = 81,95 ml

Lampiran 8. Analisis Data SPSS *Two Way-Anova*

pH

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for pH0	.103	18	.200*	.966	18	.712

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

a. Lilliefors Significance Correction

Levene's Test of Equality of Error Variances[a,b]

		Levene Statistic	df1	df2	Sig.
pH 0	Based on Mean	3.040	5	12	.053
	Based on Median	.580	5	12	.715
	Based on Median and with adjusted df	.580	5	5.122	.717
	Based on trimmed mean	2.738	5	12	.071

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

a. Dependent variable: pH 0

b. Design: Intercept + Minyak + Tingkat + Minyak * Tingkat

Tests of Between-Subjects Effects

Dependent Variable: pH 0

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.973[a]	5	.195	25.317	<,001
Intercept	626.816	1	626.816	81581.261	<,001
Minyak	.097	1	.097	12.599	.004
Tingkat	.136	2	.068	8.853	.004
Minyak * Tingkat	.740	2	.370	48.139	<,001
Error	.092	12	.008		
Total	627.881	18			
Corrected Total	1.065	17			

a. R Squared = .913 (Adjusted R Squared = .877)

Pairwise Comparisons

Dependent Variable: pH 0

Tingkat	(I) Minyak	(J) Minyak	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b]	
						Lower Bound	Upper Bound
1	1	2	.133	.072	.087	-.023	.289
	2	1	-.133	.072	.087	-.289	.023
2	1	2	-.720*	.072	<,001	-.876	-.564
	2	1	.720*	.072	<,001	.564	.876
3	1	2	.147	.072	.063	-.009	.303
	2	1	-.147	.072	.063	-.303	.009

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Bonferroni.

Estimated Marginal Means

Minyak

Estimates

Dependent Variable: pH 0

Minyak	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	5.828	.029	5.764	5.891
2	5.974	.029	5.911	6.038

Pairwise Comparisons

Dependent Variable: pH 0

(I) Minyak	(J) Minyak	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b]	
					Lower Bound	Upper Bound
1	2	-.147*	.041	.004	-.237	-.057
2	1	.147*	.041	.004	.057	.237

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Bonferroni.

Daya Sebar

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for DayaSebar0	.100	18	.200*	.970	18	.806

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

a. Lilliefors Significance Correction

Levene's Test of Equality of Error Variances[a,b]

		Levene Statistic	df1	df2	Sig.
Daya Sebar 0	Based on Mean	.544	5	12	.740
	Based on Median	.339	5	12	.880
	Based on Median and with adjusted df	.339	5	10.016	.878
	Based on trimmed mean	.531	5	12	.749

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

a. Dependent variable: Daya Sebar 0

b. Design: Intercept + Minyak + Tingkat + Minyak * Tingkat

Tests of Between-Subjects Effects

Dependent Variable: Daya Sebar 0

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1.302[a]	5	.260	66.758	<,001
Intercept	723.267	1	723.267	185453.134	<,001
Minyak	.236	1	.236	60.450	<,001
Tingkat	.974	2	.487	124.830	<,001
Minyak * Tingkat	.092	2	.046	11.839	.001
Error	.047	12	.004		
Total	724.616	18			
Corrected Total	1.349	17			

a. R Squared = .965 (Adjusted R Squared = .951)

Pairwise Comparisons

Dependent Variable: Daya Sebar 0

Tingkat	(I) Minyak	(J) Minyak	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b] Lower Bound	Upper Bound
1	1	2	-.397*	.051	<,001	-.508	-.286
	2	1	.397*	.051	<,001	.286	.508
2	1	2	-.243*	.051	<,001	-.354	-.132
	2	1	.243*	.051	<,001	.132	.354
3	1	2	-.047	.051	.378	-.158	.064
	2	1	.047	.051	.378	-.064	.158

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Bonferroni.

Estimated Marginal Means

Minyak

Estimates

Dependent Variable: Daya Sebar 0

Minyak	Mean	Std. Error	95% Confidence Interval Lower Bound	Upper Bound
1	6.224	.021	6.179	6.270
2	6.453	.021	6.408	6.499

Pairwise Comparisons

Dependent Variable: Daya Sebar 0

(I) Minyak	(J) Minyak	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b] Lower Bound	Upper Bound
1	2	-.229*	.029	<,001	-.293	-.165
2	1	.229*	.029	<,001	.165	.293

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Bonferroni.

Daya Lekat

Tests of Normality

	Kolmogorov-Smirnov[a] Statistic	df	Sig.	Shapiro-Wilk Statistic	df	Sig.
Standardized Residual for DayaLekat0	.130	18	.200*	.971	18	.823

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

a. Lilliefors Significance Correction

Levene's Test of Equality of Error Variances[a,b]

		Levene Statistic	df1	df2	Sig.
Daya Lekat 0	Based on Mean	2.140	5	12	.130
	Based on Median	.619	5	12	.688
	Based on Median and with adjusted df	.619	5	4.656	.695
	Based on trimmed mean	2.003	5	12	.151

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

a. Dependent variable: Daya Lekat 0

b. Design: Intercept + Minyak + Tingkat + Minyak * Tingkat

Tests of Between-Subjects Effects

Dependent Variable: Daya Lekat 0

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1.792[a]	5	.358	138.739	<,001
Intercept	293.062	1	293.062	113443.374	<,001
Minyak	.858	1	.858	332.148	<,001
Tingkat	.701	2	.350	135.658	<,001
Minyak * Tingkat	.233	2	.117	45.116	<,001
Error	.031	12	.003		
Total	294.885	18			
Corrected Total	1.823	17			

a. R Squared = .983 (Adjusted R Squared = .976)

Pairwise Comparisons

Dependent Variable: Daya Lekat 0

Tingkat	(I) Minyak	(J) Minyak	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b] Lower Bound	Upper Bound
1	1	2	.757*	.041	<,001	.666	.847
	2	1	-.757*	.041	<,001	-.847	-.666
2	1	2	.247*	.041	<,001	.156	.337
	2	1	-.247*	.041	<,001	-.337	-.156
3	1	2	.307*	.041	<,001	.216	.397
	2	1	-.307*	.041	<,001	-.397	-.216

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Bonferroni.

Estimated Marginal Means

Minyak

Estimates

Dependent Variable: Daya Lekat 0

Minyak	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	4.253	.017	4.216	4.290
2	3.817	.017	3.780	3.854

Pairwise Comparisons

Dependent Variable: Daya Lekat 0

(I) Minyak	(J) Minyak	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b]	
					Lower Bound	Upper Bound
1	2	.437*	.024	<,001	.384	.489
2	1	-.437*	.024	<,001	-.489	-.384

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Bonferroni.

Viskositas

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Viskositas0	.126	18	.200*	.961	18	.624

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

a. Lilliefors Significance Correction

Levene's Test of Equality of Error Variances[a,b]

		Levene Statistic	df1	df2	Sig.
Viskositas 0	Based on Mean	.667	5	12	.656
	Based on Median	.340	5	12	.879
	Based on Median and with adjusted df	.340	5	9.091	.876
	Based on trimmed mean	.643	5	12	.672

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

a. Dependent variable: Viskositas 0

b. Design: Intercept + Minyak + Tingkat + Minyak * Tingkat

Tests of Between-Subjects Effects

Dependent Variable: Viskositas 0

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	4.171[a]	5	.834	62.567	<,001
Intercept	170.509	1	170.509	12788.167	<,001
Minyak	.500	1	.500	37.500	<,001
Tingkat	3.631	2	1.816	136.167	<,001
Minyak * Tingkat	.040	2	.020	1.500	.262
Error	.160	12	.013		
Total	174.840	18			
Corrected Total	4.331	17			

a. R Squared = .963 (Adjusted R Squared = .948)

Estimated Marginal Means

Minyak

Estimates

Dependent Variable: Viskositas 0

Minyak	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	3244.444	38.490	3160.582	3328.307
2	2911.111	38.490	2827.249	2994.974

Pairwise Comparisons

Dependent Variable: Viskositas 0

(I) Minyak	(J) Minyak	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b]	
					Lower Bound	Upper Bound
1	2	333.333*	54.433	<,001	214.734	451.933
2	1	-333.333*	54.433	<,001	-451.933	-214.734

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Bonferroni.

Lampiran 9. Analisis Data SPSS *Paired Test*
pH Suhu 4℃
F1: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_pH	.363	3	.	.801	3	.118

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	pH_0	5.9633	3	.13614	.07860
	pH_28	6.3467	3	.04933	.02848

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	pH_0 - pH_28	-.38333	.16197	-4.099	2	.027	.055

F2: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_pH	.310	3	.	.899	3	.381

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	pH_0	5.8067	3	.13577	.07839
	pH_28	5.8567	3	.39017	.22527

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	pH_0 - pH_28	-.05000	.35341	-.245	2	.415	.829

F3: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_pH	.183	3	.	.999	3	.931

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	pH_0	6.1367	3	.03786	.02186
	pH_28	6.1533	3	.28501	.16455

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	pH_0 - pH_28	-.01667	.32021	-.090	2	.468	.936

F4: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_pH	.325	3	.	.875	3	.309

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	pH_0	5.9100	3	.08888	.05132
	pH_28	5.3067	3	.10066	.05812

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	pH_0 - pH_28	.60333	.15503	6.741	2	.011	.021

F5: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_pH	.307	3	.	.904	3	.398

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	pH_0	6.0633	3	.09866	.05696
	pH_28	5.6767	3	.02517	.01453

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	pH_0 - pH_28	.38667	.12097	5.536	2	.016	.031

F6: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_pH	.245	3	.	.971	3	.672

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	pH_0	5.8667	3	.10408	.06009
	pH_28	5.7267	3	.15044	.08686

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	pH_0 - pH_28	.14000	.10149	2.389	2	.070	.139

pH Suhu 25°C

F1: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_pH	.349	3	.	.832	3	.194

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	pH_0	6.0100	3	.06000	.03464
	pH_28	6.1067	3	.02517	.01453

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	pH_0 - pH_28	-.09667	.04933	-3.394	2	.038	.077

F2: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_pH	.273	3	.	.945	3	.549

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	pH_0	5.4200	3	.07000	.04041
	pH_28	5.5133	3	.14742	.08511

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	pH_0 - pH_28	-.09333	.12342	-1.310	2	.160	.321

F3: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_pH	.385	3	.	.750	3	<,001

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
pH_28 - pH_0	Negative Ranks	0[a]	.00	.00
	Positive Ranks	3[b]	2.00	6.00
	Ties	0[c]		
	Total	3		

a. pH_28 < pH_0
b. pH_28 > pH_0
c. pH_28 = pH_0

Test Statistics[a]

	pH_28 - pH_0
Z	-1.633[b]
Asymp. Sig. (2-tailed)	.102

a. Wilcoxon Signed Ranks Test
b. Based on negative ranks.

F4: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_pH	.330	3	.	.866	3	.286

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	pH_0	5.8767	3	.09074	.05239
	pH_28	5.7500	3	.05568	.03215

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	pH_0 - pH_28	.12667	.13429	1.634	2	.122	.244

F5: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_pH	.295	3	.	.920	3	.451

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	pH_0	6.1400	3	.03606	.02082
	pH_28	6.0500	3	.17776	.10263

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	pH_0 - pH_28	.09000	.21378	.729	2	.271	.542

F6: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_pH	.201	3	.	.994	3	.856

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	pH_0	5.9067	3	.04041	.02333
	pH_28	5.8667	3	.07506	.04333

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	pH_0 - pH_28	.04000	.11533	.601	2	.305	.609

pH Suhu 40°C

F1: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_pH	.175	3	.	1.000	3	1.000

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	pH_0	6.0500	3	.03000	.01732
	pH_28	5.8700	3	.08000	.04619

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	pH_0 - pH_28	.18000	.11000	2.834	2	.053	.105

F2: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_pH	.373	3	.	.779	3	.065

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	pH_0	5.4000	3	.06000	.03464
	pH_28	5.2900	3	.10149	.05859

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	pH_0 - pH_28	.11000	.14731	1.293	2	.163	.325

F3: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_pH	.373	3	.	.779	3	.065

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	pH_0	6.0733	3	.08145	.04702
	pH_28	6.1333	3	.22855	.13195

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	pH_0 - pH_28	-.06000	.14731	-.705	2	.277	.554

F4: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_pH	.177	3	.	1.000	3	.967

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	pH_0	5.8367	3	.10263	.05925
	pH_28	6.1233	3	.21962	.12680

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	pH_0 - pH_28	-.28667	.16503	-3.009	2	.047	.095

F5: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_pH	.247	3	.	.969	3	.661

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	pH_0	5.9800	3	.03000	.01732
	pH_28	6.0200	3	.28583	.16503

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	pH_0 - pH_28	-.04000	.29462	-.235	2	.418	.836

F6: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_pH	.269	3	.	.950	3	.569

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	pH_0	5.8533	3	.09609	.05548
	pH_28	6.0767	3	.28729	.16586

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	pH_0 - pH_28	-.22333	.37448	-1.033	2	.205	.410

Daya Sebar Suhu 4°C
F1: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Sebar (cm)	.175	3	.	1.000	3	1.000

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Sebar_0	6.1800	3	.04583	.02646
	Daya Sebar _28	6.1400	3	.07000	.04041

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Sebar_0 - Daya Sebar _28	.04000	.07000	.990	2	.213	.427

F2: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Sebar (cm)	.265	3	.	.953	3	.583

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Sebar_0	6.1567	3	.04726	.02728
	Daya Sebar _28	6.1833	3	.03512	.02028

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Sebar_0 - Daya Sebar _28	-.02667	.06658	-.694	2	.280	.560

F3: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Sebar (cm)	.253	3	.	.964	3	.637

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Sebar_0	6.0400	3	.06557	.03786
	Daya Sebar _28	6.0833	3	.06028	.03480

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Sebar_0 - Daya Sebar _28	-.04333	.06110	-1.228	2	.172	.344

F4: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Sebar (cm)	.211	3	.	.991	3	.817

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Sebar_0	6.8700	3	.07000	.04041
	Daya Sebar _28	6.3867	3	.06028	.03480

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Sebar_0 - Daya Sebar _28	.48333	.06028	13.888	2	.003	.005

F5: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Sebar (cm)	.334	3	.	.860	3	.266

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Sebar_0	6.4967	3	.05508	.03180
	Daya Sebar _28	6.1433	3	.05859	.03383

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Sebar_0 - Daya Sebar _28	.35333	.10786	5.674	2	.015	.030

F6: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Sebar (cm)	.260	3	.	.958	3	.605

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Sebar_0	6.1767	3	.02517	.01453
	Daya Sebar _28	5.9433	3	.12858	.07424

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Sebar_0 - Daya Sebar _28	.23333	.11240	3.596	2	.035	.069

Daya Sebar Suhu 25°C
F1: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Sebar (cm)	.337	3	.	.855	3	.253

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Sebar_0	6.4133	3	.03215	.01856
	Daya Sebar _28	6.2433	3	.09292	.05364

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Sebar_0 - Daya Sebar _28	.17000	.11358	2.592	2	.061	.122

F2: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Sebar (cm)	.232	3	.	.980	3	.726

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Sebar_0	6.2400	3	.04583	.02646
	Daya Sebar _28	6.3267	3	.06807	.03930

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Sebar_0 - Daya Sebar _28	-.08667	.08083	-1.857	2	.102	.204

F3: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Sebar (cm)	.385	3	.	.750	3	<,001

Wilcoxon Signed Ranks

Test Ranks

		N	Mean Rank	Sum of Ranks
Daya Sebar _28 - Daya Sebar_0	Negative Ranks	0[a]	.00	.00
	Positive Ranks	2[b]	1.50	3.00
	Ties	1[c]		
	Total	3		

a. Daya Sebar _28 < Daya Sebar_0
b. Daya Sebar _28 > Daya Sebar_0
c. Daya Sebar _28 = Daya Sebar_0

Test Statistics[a]

	Daya Sebar _28 - Daya Sebar_0
Z	-1.414[b]
Asymp. Sig. (2-tailed)	.157

a. Wilcoxon Signed Ranks Test
b. Based on negative ranks.

F4: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Sebar (cm)	.208	3	.	.992	3	.826

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Sebar_0	6.8100	3	.07211	.04163
	Daya Sebar _28	6.8400	3	.09644	.05568

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Sebar_0 - Daya Sebar _28	-.03000	.09539	-.545	2	.320	.641

F5: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Sebar (cm)	.319	3	.	.885	3	.339

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Sebar_0	6.4833	3	.06110	.03528
	Daya Sebar _28	6.5100	3	.12166	.07024

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Sebar_0 - Daya Sebar _28	-.02667	.17010	-.272	2	.406	.811

F6: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Sebar (cm)	.238	3	.	.976	3	.702

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Sebar_0	6.0667	3	.05686	.03283
	Daya Sebar _28	6.3067	3	.05508	.03180

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Sebar_0 - Daya Sebar _28	-.24000	.11136	-3.733	2	.032	.065

Daya Sebar Suhu 40°C
F1: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Sebar (cm)	.276	3	.	.942	3	.537

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Sebar_0	6.2033	3	.04509	.02603
	Daya Sebar _28	6.3433	3	.05132	.02963

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Sebar_0 - Daya Sebar _28	-.14000	.03606	-6.725	2	.011	.021

F2: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Sebar (cm)	.179	3	.	.999	3	.948

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Sebar_0	6.1967	3	.05686	.03283
	Daya Sebar _28	6.2933	3	.05132	.02963

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Sebar_0 - Daya Sebar _28	-.09667	.10504	-1.594	2	.126	.252

F3: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Sebar (cm)	.253	3	.	.964	3	.637

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Sebar_0	6.1567	3	.03512	.02028
	Daya Sebar _28	6.4333	3	.04726	.02728

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Sebar_0 - Daya Sebar _28	-.27667	.01528	-31.371	2	<,001	.001

F4: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Sebar (cm)	.343	3	.	.842	3	.220

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Sebar_0	6.7667	3	.06506	.03756
	Daya Sebar _28	6.8667	3	.04933	.02848

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Sebar_0 - Daya Sebar _28	-.10000	.08718	-1.987	2	.093	.185

F5: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Sebar (cm)	.358	3	.	.812	3	.144

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Sebar_0	6.4933	3	.05132	.02963
	Daya Sebar _28	6.7800	3	.09000	.05196

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Sebar_0 - Daya Sebar _28	-.28667	.06658	-7.457	2	.009	.018

F6: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Sebar (cm)	.372	3	.	.783	3	.073

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Sebar_0	6.2200	3	.05292	.03055
	Daya Sebar _28	6.3900	3	.07937	.04583

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Sebar_0 - Daya Sebar _28	-.17000	.13000	-2.265	2	.076	.152

Daya Lekat Suhu 4°C
F1: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Lekat (detik)	.292	3	.	.923	3	.463

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Lekat_0	4.1467	3	.04509	.02603
	Daya Lekat _28	4.1533	3	.06110	.03528

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Lekat_0 - Daya Lekat _28	-.00667	.02082	-.555	2	.317	.635

F2: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Lekat (detik)	.304	3	.	.907	3	.407

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Lekat_0	4.1567	3	.04041	.02333
	Daya Lekat _28	4.3400	3	.06000	.03464

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Lekat_0 - Daya Lekat _28	-.18333	.04726	-6.719	2	.011	.021

F3: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Lekat (detik)	.216	3	.	.988	3	.794

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Lekat_0	4.3900	3	.04583	.02646
	Daya Lekat _28	4.6300	3	.11533	.06658

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Lekat_0 - Daya Lekat _28	-.24000	.16093	-2.583	2	.061	.123

F4: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Lekat (detik)	.253	3	.	.964	3	.637

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Lekat_0	3.2933	3	.09018	.05207
	Daya Lekat _28	4.0233	3	.04509	.02603

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Lekat_0 - Daya Lekat _28	-.73000	.04583	-27.591	2	<,001	.001

F5: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Lekat (detik)	.227	3	.	.983	3	.747

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Lekat_0	3.9900	3	.03606	.02082
	Daya Lekat _28	4.1200	3	.03000	.01732

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Lekat_0 - Daya Lekat _28	-.13000	.06557	-3.434	2	.038	.075

F6: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Lekat (detik)	.238	3	.	.976	3	.702

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Lekat_0	4.0567	3	.02082	.01202
	Daya Lekat _28	4.3667	3	.09074	.05239

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Lekat_0 - Daya Lekat _28	-.31000	.11136	-4.822	2	.020	.040

Daya Lekat Suhu 25°C
F1: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Lekat (detik)	.204	3	.	.993	3	.843

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Lekat_0	4.1500	3	.03000	.01732
	Daya Lekat _28	4.1900	3	.07550	.04359

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Lekat_0 - Daya Lekat _28	-.04000	.10536	-.658	2	.289	.578

F2: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Lekat (detik)	.385	3	.	.750	3	<,001

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
Daya Lekat _28 - Daya Lekat_0	Negative Ranks	0[a]	.00	.00
	Positive Ranks	3[b]	2.00	6.00
	Ties	0[c]		
	Total	3		

a. Daya Lekat _28 < Daya Lekat_0
b. Daya Lekat _28 > Daya Lekat_0
c. Daya Lekat _28 = Daya Lekat_0

Test Statistics[a]

	Daya Lekat _28 - Daya Lekat_0
Z	-1.633[b]
Asymp. Sig. (2-tailed)	.102

a. Wilcoxon Signed Ranks Test
b. Based on negative ranks.

F3: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Lekat (detik)	.232	3	.	.980	3	.726

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Lekat_0	4.4000	3	.02000	.01155
	Daya Lekat _28	4.3233	3	.03786	.02186

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Lekat_0 - Daya Lekat _28	.07667	.04041	3.286	2	.041	.081

F4: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Lekat (detik)	.219	3	.	.987	3	.780

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Lekat_0	3.3933	3	.07506	.04333
	Daya Lekat _28	3.1967	3	.02517	.01453

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Lekat_0 - Daya Lekat _28	.19667	.05033	6.768	2	.011	.021

F5: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Lekat (detik)	.216	3	.	.989	3	.797

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Lekat_0	3.9633	3	.08145	.04702
	Daya Lekat _28	3.9667	3	.07572	.04372

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Lekat_0 - Daya Lekat _28	-.00333	.13577	-.043	2	.485	.970

F6: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Lekat (detik)	.187	3	.	.998	3	.915

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Lekat_0	4.0933	3	.02517	.01453
	Daya Lekat _28	4.1400	3	.05292	.03055

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Lekat_0 - Daya Lekat _28	-.04667	.06506	-1.242	2	.170	.340

Daya Lekat Suhu 40°C

F1: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Lekat (detik)	.320	3	.	.883	3	.332

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Lekat_0	4.1667	3	.04163	.02404
	Daya Lekat _28	3.7667	3	.20207	.11667

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Lekat_0 - Daya Lekat _28	.40000	.20224	3.426	2	.038	.076

F2: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Lekat (detik)	.184	3	.	.999	3	.927

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Lekat_0	4.2767	3	.02517	.01453
	Daya Lekat _28	4.1733	3	.06807	.03930

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Lekat_0 - Daya Lekat _28	.10333	.07506	2.385	2	.070	.140

F3: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Lekat (detik)	.263	3	.	.955	3	.593

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Lekat_0	4.3900	3	.04583	.02646
	Daya Lekat _28	4.1400	3	.05292	.03055

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Lekat_0 - Daya Lekat _28	.25000	.08185	5.290	2	.017	.034

F4: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Lekat (detik)	.358	3	.	.812	3	.144

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Lekat_0	3.2633	3	.07095	.04096
	Daya Lekat _28	2.0467	3	.08505	.04910

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Lekat_0 - Daya Lekat _28	1.21667	.06658	31.650	2	<,001	<,001

F5: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Lekat (detik)	.320	3	.	.884	3	.335

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Lekat_0	4.0433	3	.04041	.02333
	Daya Lekat _28	2.9667	3	.33724	.19471

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Lekat_0 - Daya Lekat _28	1.07667	.37233	5.009	2	.019	.038

F6: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Daya Lekat (detik)	.304	3	.	.907	3	.407

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Daya Lekat_0	4.1167	3	.03512	.02028
	Daya Lekat _28	4.0133	3	.01528	.00882

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Daya Lekat_0 - Daya Lekat _28	.10333	.04726	3.787	2	.032	.063

Viskositas suhu 4°C

F1: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Viskositas	.175	3	.	1.000	3	1.000

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Viskositas 0	2.80000	3	.100000	.057735
	Viskositas 28	3.20000	3	.100000	.057735

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Viskositas 0 - Viskositas 28	-.400000	.200000	-3.464	2	.037	.074

F2: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Viskositas	.175	3	.	1.000	3	1.000

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Viskositas 0	2.96667	3	.152753	.088192
	Viskositas 28	3.66667	3	.115470	.066667

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Viskositas 0 - Viskositas 28	-.700000	.100000	-12.124	2	.003	.007

F3: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Viskositas	.175	3	.	1.000	3	1.000

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Viskositas 0	3.76667	3	.152753	.088192
	Viskositas 28	4.06667	3	.208167	.120185

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Viskositas 0 - Viskositas 28	-.300000	.100000	-5.196	2	.018	.035

F4: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Viskositas	.219	3	.	.987	3	.780

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Viskositas 0	2.46667	3	.057735	.033333
	Viskositas 28	3.20000	3	.200000	.115470

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Viskositas 0 - Viskositas 28	-.733333	.251661	-5.047	2	.019	.037

F5: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Viskositas	.385	3	.	.750	3	<,001

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
Viskositas 28 - Viskositas 0	Negative Ranks	0[a]	.00	.00
	Positive Ranks	3[b]	2.00	6.00
	Ties	0[c]		
	Total	3		

a. Viskositas 28 < Viskositas 0
b. Viskositas 28 > Viskositas 0
c. Viskositas 28 = Viskositas 0

Test Statistics[a]

	Viskositas 28 - Viskositas 0
Z	-1.633[b]
Asymp. Sig. (2-tailed)	.102

a. Wilcoxon Signed Ranks Test
b. Based on negative ranks.

F6: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Viskositas	.175	3	.	1.000	3	1.000

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Viskositas 0	3.40000	3	.100000	.057735
	Viskositas 28	3.90000	3	.100000	.057735

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Viskositas 0 - Viskositas 28	-.500000	.100000	-8.660	2	.007	.013

Viskositas Suhu 25°C

F1: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Viskositas	.253	3	.	.964	3	.637

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Viskositas 0	2.66667	3	.057735	.033333
	Viskositas 28	2.60000	3	.100000	.057735

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Viskositas 0 - Viskositas 28	.066667	.152753	.756	2	.264	.529

F2: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Viskositas	.253	3	.	.964	3	.637

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Viskositas 0	3.20000	3	.100000	.057735
	Viskositas 28	3.03333	3	.057735	.033333

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Viskositas 0 - Viskositas 28	.166667	.152753	1.890	2	.100	.199

F3: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Viskositas	.385	3	.	.750	3	<,001

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
Viskositas 28 - Viskositas 0	Negative Ranks	3[a]	2.00	6.00
	Positive Ranks	0[b]	.00	.00
	Ties	0[c]		
	Total	3		

a. Viskositas 28 < Viskositas 0
b. Viskositas 28 > Viskositas 0
c. Viskositas 28 = Viskositas 0

Test Statistics[a]

	Viskositas 28 - Viskositas 0
Z	-1.633[b]
Asymp. Sig. (2-tailed)	.102

a. Wilcoxon Signed Ranks Test
b. Based on positive ranks.

F4: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Viskositas	.175	3	.	1.000	3	1.000

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Viskositas 0	2.40000	3	.100000	.057735
	Viskositas 28	2.30000	3	.100000	.057735

Paired Samples Test

	Paired Differences				Significance	
	Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1 Viskositas 0 - Viskositas 28	.100000	.100000	1.732	2	.113	.225

F5: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Viskositas	.292	3	.	.923	3	.463

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Viskositas 0	2.93333	3	.152753	.088192
	Viskositas 28	2.90000	3	.173205	.100000

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Viskositas 0 - Viskositas 28	.033333	.208167	.277	2	.404	.808

F6: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Viskositas	.175	3	.	1.000	3	1.000

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Viskositas 0	3.40000	3	.100000	.057735
	Viskositas 28	3.40000	3	.100000	.057735

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Viskositas 0 - Viskositas 28	.000000	.100000	.000	2	.500	1.000

Viskositas suhu 40°C

F1: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Viskositas	.253	3	.	.964	3	.637

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Viskositas 0	2.60000	3	.100000	.057735
	Viskositas 28	2.36667	3	.057735	.033333

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Viskositas 0 - Viskositas 28	.233333	.152753	2.646	2	.059	.118

F2: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Viskositas	.292	3	.	.923	3	.463

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Viskositas 0	3.00000	3	.100000	.057735
	Viskositas 28	3.06667	3	.152753	.088192

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Viskositas 0 - Viskositas 28	-.066667	.208167	-.555	2	.317	.635

F3: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Viskositas	.385	3	.	.750	3	<,001

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
Viskositas 28 - Viskositas 0	Negative Ranks	3[a]	2.00	6.00
	Positive Ranks	0[b]	.00	.00
	Ties	0[c]		
	Total	3		

a. Viskositas 28 < Viskositas 0
b. Viskositas 28 > Viskositas 0
c. Viskositas 28 = Viskositas 0

Test Statistics[a]

	Viskositas 28 - Viskositas 0
Z	-1.633[b]
Asymp. Sig. (2-tailed)	.102

a. Wilcoxon Signed Ranks Test
b. Based on positive ranks.

F4: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Viskositas	.175	3	.	1.000	3	1.000

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Viskositas 0	2.43333	3	.057735	.033333
	Viskositas 28	2.13333	3	.057735	.033333

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Viskositas 0 - Viskositas 28	.300000	.100000	5.196	2	.018	.035

F5: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Viskositas	.175	3	.	1.000	3	1.000

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Viskositas 0	3.10000	3	.100000	.057735
	Viskositas 28	2.80000	3	.100000	.057735

Paired Samples Test

		Paired Differences				Significance	
		Mean	Std. Deviation	t	df	One-Sided p	Two-Sided p
Pair 1	Viskositas 0 - Viskositas 28	.300000	.100000	5.196	2	.018	.035

F6: Hari 0 vs Hari 28

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih_Viskositas	.385	3	.	.750	3	<,001

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
Viskositas 28 - Viskositas 0	Negative Ranks	2[a]	1.50	3.00
	Positive Ranks	1[b]	3.00	3.00
	Ties	0[c]		
	Total	3		

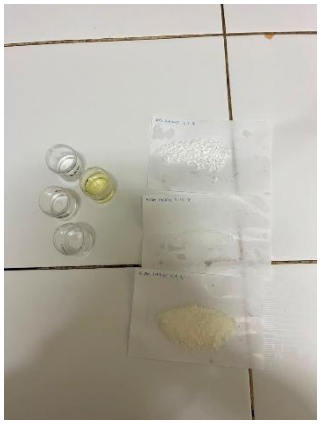
a. Viskositas 28 < Viskositas 0
b. Viskositas 28 > Viskositas 0
c. Viskositas 28 = Viskositas 0

Test Statistics[a]

	Viskositas 28 - Viskositas 0
Z	.000[b]
Asymp. Sig. (2-tailed)	1.000

a. Wilcoxon Signed Ranks Test
b. The sum of negative ranks equals the sum of positive ranks.

Lampiran 10. Pembuatan Lotion



Bahan yang Digunakan



Pemanasan Fase Minyak dan Fase Air



Homogenisasi



Sediaan Lotion



Formulasi 1-3 (*Extra Virgin Olive Oil*)



Formulasi 4-5 (*Pomace Olive Oil*)

Lampiran 11. Uji Evaluasi



Uji Organoleptis



Uji Homogenitas



Uji pH



Uji Daya Sebar



Uji Daya Lekat



Uji Viskositas



Uji Hedonik



Sebelum *Cycling*



Sesudah *Cycling*



Stabilitas Suhu 4℃



Stabilitas Suhu 25℃



Stabilitas Suhu 40℃

Lampiran 12. Uji Hedonik

