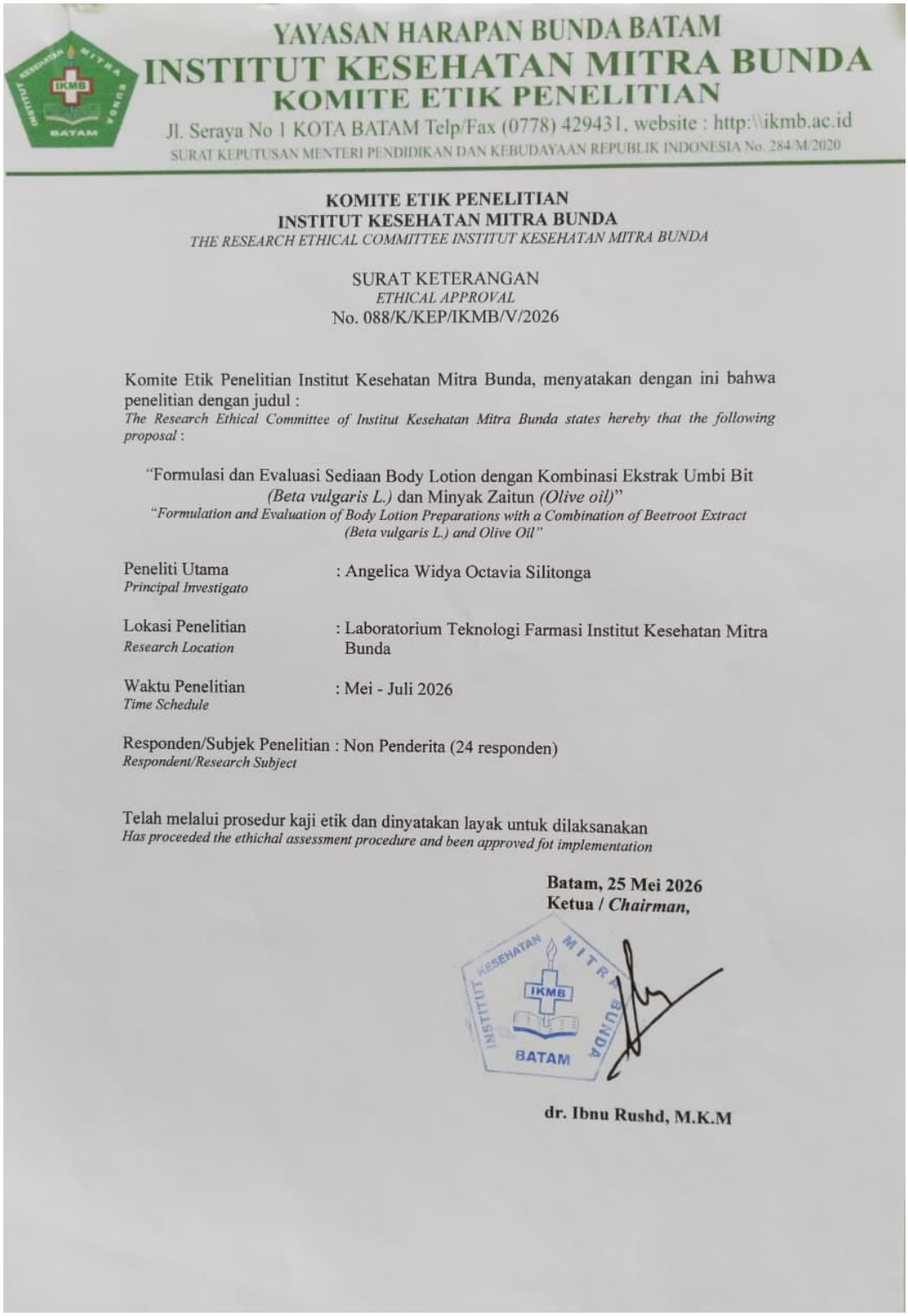
LAMPIRAN

Lampiran 1. Surat Etik Penelitian



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. 088/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 Evaluasi Sediaan Body Lotion dengan Kombinasi Ekstrak Umbi Bit *(Beta vulgaris L.)* dan Minyak Zaitun *(Olive oil)*"
"Formulation and Evaluation of Body Lotion Preparations with a Combination of Beetroot Extract (Beta vulgaris L.) and Olive Oil"

Peneliti Utama *Principal Investigato* : Angelica Widya Octavia Silitonga

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

Waktu Penelitian *Time Schedule* : Mei - Juli 2026

Responden/Subjek Penelitian *Respondent/Research Subject* : Non Penderita (24 responden)

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

Batam, 25 Mei 2026
Ketua / *Chairman*,

dr. Ibnu Rushd, M.K.M

Lampiran 2. Determinasi Tumbuhan

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

Nomor : 082/K-ID/ANDA/II/2026
Lampiran : -
Perihal : Hasil Identifikasi

Kepada yth,
apt. Habibie Deswilyaz Ghiffari, M. Farm
Di
Tempat

Dengan hormat,
Sehubungan dengan surat permohonan determinasi sampel dari Institut Kesehatan Mitra Bunda No. 017/K/S1-FARM/IKMB/I/2026 tanggal 19 Januari 2026 di Herbarium Universitas Andalas Departemen Biologi FMIPA Universitas Andalas, kami telah membantu mengidentifikasi tumbuhan yang dibawa, dari:

Nama : apt. Habibie Deswilyaz Ghiffari, M. Farm
Instansi : Institut Kesehatan Mitra Bunda

Berikut ini diberikan hasil identifikasi yang dikeluarkan dari Herbarium Universitas Andalas.

No	Family	Spesies	Nama Koleksi
1.	Amaranthaceae	*Beta vulgaris* L.	IKMB.22.49. Umbi Bit
2.	Asteraceae	*Ageratum conyzoides* L.	IKMB. 22.62 Daun Bandotan
3.	Moraceae	*Artocarpus altilis* (Parkinson) Fosberg	IKMB. 22.16 Daun Sukun
4.	Amaranthaceae	*Amaranthus hybridus* L.	IKMB. 22.80 Daun Bayam Merah

Demikian surat ini dibuat untuk dapat digunakan seperlunya.

Padang, 12 Februari 2026
Kepala,

Dr. Nurainas
NIP. 196908141995122001

Lampiran 3. Lembar *Informed Consent* (Persetujuan Responden)

SURAT PERNYATAAN PERSETUJUAN IKUT SERTA DALAM PENELITIAN

(INFORMED CONSENT)

Saya yang bertanda tangan dibawah ini:

Nama :

Alamat Lengkap :

No. HP :

Menyatakan bersedia menjadi responden kepada

Nama : Angelica Widya Octavia Silitonga

NIM : 61608100822010

Instansi : Institut Kesehatan Mitra Bunda

Menyatakan dengan sesungguhnya, bahwa setelah mendapat penjelasan tentang tujuan, manfaat, prosedur, dan hak-hak sebagai responden penelitian, saya telah memahami informasi yang diberikan oleh peneliti, maka dengan ini saya secara sukarela bersedia menjadi responden dalam penelitian yang berjudul **FORMULASI DAN EVALUASI SEDIAAN BODY LOTION DENGAN KOMBINASI EKSTRAK UMBI BIT (*Beta vulgaris* L.) DAN MINYAK ZAITUN (*Olive oil*).**

Jika terjadi sesuatu atau ada hal yang ingin saya tanyakan, saya dapat menghubungi peneliti di nomor : 082287447172 (Angelica S). Demikian pernyataan ini saya buat dengan sebenar-benarnya dan penuh kesadaran serta tanpa paksaan dari siapapun.

Batam, 2026

Peneliti Sukarelawan

(Angelica Widya Octavia Silitonga) (.....)

Lampiran 4. Lembar Kuisioner Uji Iritasi

Lembar Kuisioner Uji Iritasi *Body Lotion*

Nama Lengkap :

Jenis Kelamin :

Usia :

No. HP :

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

- Saya dalam kondisi sehat.
- Saya tidak memiliki riwayat alergi terhadap bahan kosmetik atau bahan yang terkandung dalam sediaan *body lotion.*

Instruksi:

Terdapat 4 formula sediaan body lotion dengan kode F1, F2, F3, dan F4.

1. Aplikasikan masing-masing sampel pada bagian bawah lengan atas secukupnya dan merata.
2. Ditutup menggunakan *patch test* yang telah disediakan.
3. Diamkan dan tunggu 1x24 jam. Kemudian, amati apakah terdapat kemerahan, gatal, dan pembengkakan.
4. Berikan penilaian sesuai kondisi kulit setelah penggunaan sediaan pada tabel berikut.

Pengamatan	**Kode sampel**			
	F1	**F2**	**F3**	**F4**
Tidak Terjadi Iritasi				
Kulit Kemerahan				
Kulit Gatal-Gatal				
Kulit Bengkak				

Keterangan :

(-) : Tidak terjadi iritasi

(+) : Kulit kemerahan

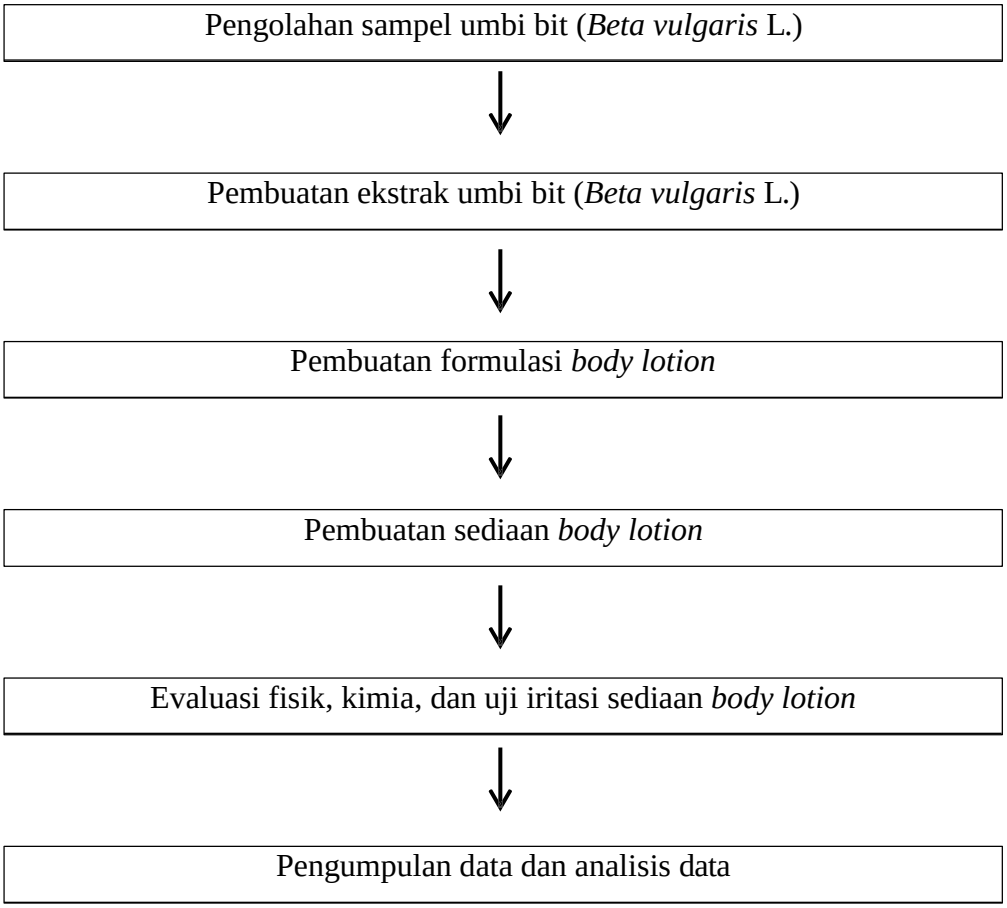
(++) : Kulit gatal-gatal

(+++) : Kulit bengkak

Responden

(.....)

Lampiran 5. Skema Alur Penelitian



Lampiran 6. Perhitungan Formulasi Sediaan *Body Lotion*

1. **Formulasi I (0% Ekstrak umbi bit)**

Ekstrak umbi bit	: 0
Olive oil	: $\frac{3}{100}$ x 200 g = 6 g
Emulgade	: $\frac{4,5}{100}$ x 200 g = 9 g
Setil alkohol	: $\frac{0,6}{100}$ x 200 g = 1,2 g
Asam stearat	: $\frac{0,25}{100}$ x 200 g = 0,5 g
Propilenglikol	: $\frac{5}{100}$ x 200 g = 10 g
Gliserin	: $\frac{5}{100}$ x 200 g = 10 g
Phenoxyetanol	: $\frac{0,7}{100}$ x 200 g = 1,4 g
Sodium benzoat	: $\frac{0,4}{100}$ x 200 g = 0,8 g
Essence (*Rose*)	: $\frac{1}{100}$ x 200 g = 2 g
Aquadest	: 200 g - (6+9+1,2+0,5+10+10+1,4+0,8+2)
	: 200 g – 40,9 = 159,1 g

2. **Formulasi II (1% Ekstrak umbi bit)**

Ekstrak umbi bit	: $\frac{1}{100}$ x 200 g = 2 g
Olive oil	: $\frac{3}{100}$ x 200 g = 6 g
Emulgade	: $\frac{4,5}{100}$ x 200 g = 9 g
Setil alkohol	: $\frac{0,6}{100}$ x 200 g = 1,2 g
Asam stearat	: $\frac{0,25}{100}$ x 200 g = 0,5 g
Propilenglikol	: $\frac{5}{100}$ x 200 g = 10 g
Gliserin	: $\frac{5}{100}$ x 200 g = 10 g
Phenoxyetanol	: $\frac{0,7}{100}$ x 200 g = 1,4 g
Sodium benzoat	: $\frac{0,4}{100}$ x 200 g = 0,8 g
Essence (*Rose*)	: $\frac{1}{100}$ x 200 g = 2 g

Aquadest : 200 g - (2+6+9+1,2+0,5+10+10+1,4+0,8+2)

: 200 g – 42,9 = 157,1 g

3. Formulasi III (3% Ekstrak umbi bit)

Ekstrak umbi bit : $\frac{3}{100}$ x 200 g = 6 g

Olive oil : $\frac{3}{100}$ x 200 g = 6 g

Emulgade : $\frac{4,5}{100}$ x 200 g = 9 g

Setil alkohol : $\frac{0,6}{100}$ x 200 g = 1,2 g

Asam stearat : $\frac{0,25}{100}$ x 200 g = 0,5 g

Propilenglikol : $\frac{5}{100}$ x 200 g = 10 g

Gliserin : $\frac{5}{100}$ x 200 g = 10 g

Phenoxyetanol : $\frac{0,7}{100}$ x 200 g = 1,4 g

Sodium benzoat : $\frac{0,4}{100}$ x 200 g = 0,8 g

Essence (*Rose*) : $\frac{1}{100}$ x 200 g = 2 g

Aquadest : 200 g - (6+6+9+1,2+0,5+10+10+1,4+0,8+2)

: 200 g – 46,9 = 153,1 g

4. Formulasi IV (5% Ekstrak umbi bit)

Ekstrak umbi bit : $\frac{5}{100}$ x 200 g = 10 g

Olive oil : $\frac{3}{100}$ x 200 g = 6 g

Emulgade : $\frac{4,5}{100}$ x 200 g = 9 g

Setil alkohol : $\frac{0,6}{100}$ x 200 g = 1,2 g

Asam stearat : $\frac{0,25}{100}$ x 200 g = 0,5 g

Propilenglikol : $\frac{5}{100}$ x 200 g = 10 g

Gliserin : $\frac{5}{100}$ x 200 g = 10 g

Phenoxyetanol : $\frac{0,7}{100}$ x 200 g = 1,4 g

Sodium benzoat : $\frac{0,4}{100}$ x 200 g = 0,8 g

Essence (*Rose*) : $\frac{1}{100}$ x 200 g = 2 g

Aquadest : 200 g - (10+6+9+1,2+0,5+10+10+1,4+0,8+2)

: 200 g – 50,9 = 149,1 g

Lampiran 7. Perhitungan Jumlah Responden Uji Iritasi

Rumus Federar = (t – 1) (n – 1) >15

= (4 – 1) (n – 1) > 15

= (3) (n – 1) > 15

= 3n – 3 >15

= 3n > 15 + 3

= n = $\frac{18}{3}$ = 6

Berdasarkan hasil perhitungan diperoleh nilai n = 6, sehingga jumlah responden performulasi yaitu 6 orang.

6 orang x 4 formula (konsentrasi 0%, 1%, 3%, 5%) = 24 responden

Lampiran 8. Perhitungan Persen Rendemen Ekstrak

% Rendemen = $\frac{Bobot\ Ekstrak}{Bobot\ Sampel\ Awal}$ x 100%

= $\frac{236{,}78\ gr}{2000\ gr}$ x 100 %

= 11,839%

Lampiran 9. Perhitungan HLB Emulsi

Bahan	**% dalam formula**	**HLB Butuh**	**Bobot per 200 g**
Olive oil	3%	7	$\frac{3}{100} x\ 200\ g$ = 6 g
Emulgade	4,5%	6	$\frac{4,5}{100} x\ 200\ g$ = 9 g
Setil Alkohol	0,6%	15	$\frac{0,6}{100} x\ 200\ g$ = 1,2 g
Asam Stearat	0,25%	15	$\frac{0,25}{100} x\ 200\ g$ = 0,5 g
Total Fase Minyak	8,35%	-	16,7 g

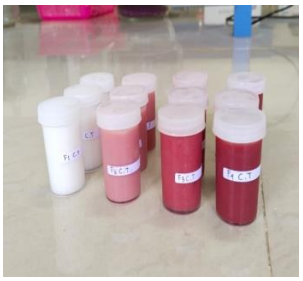
Sumber: (Lachman, 1994)

1. Olive oil = $\frac{3}{8,35}$ x 7 = 2,515
2. Emulgade = $\frac{4,5}{8,35}$ x 6 = 3,234
3. Setil Alkohol = $\frac{0,6}{8,35}$ x 15 = 1,078
4. Asam Stearat = $\frac{0,25}{8,35}$ x 15 = 0,449

Total HLB Butuh Campuran Minyak = 2,515 + 3,234 + 1,078 + 0,449 = 7,28

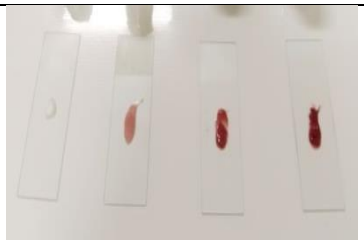
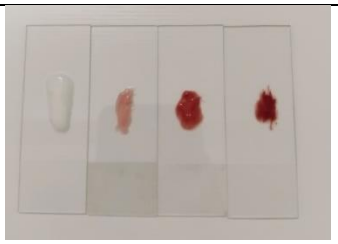
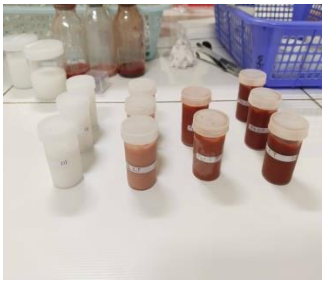
Lampiran 10. Dokumentasi Kegiatan

	
Sampel umbi bit	Persiapan sampel
	
Maserasi umbi bit	Penyaringan ekstrak umbi bit
	

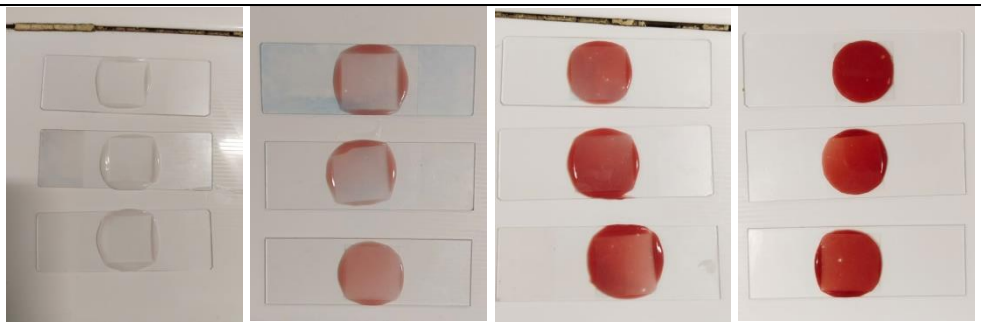
Proses *rotary evaporator* umbi bit	Penimbangan ekstrak kental
	
Penimbangan bahan	Peleburan bahan
  	
Proses pembuatan sediaan *body lotion* menggunakan *hand blender*	

Lampiran 11. Evaluasi Sediaan

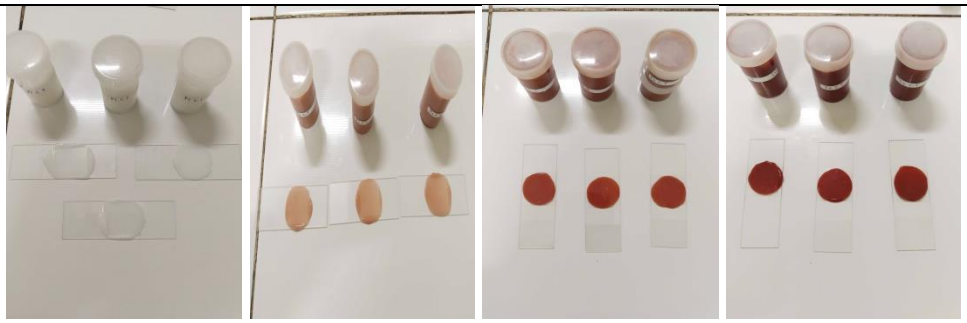
1. Uji Organoleptis

 	 
Uji Organoleptis sebelum *cycling test*	Uji Organoleptis sesudah *cycling test*

2. Uji Homogenitas

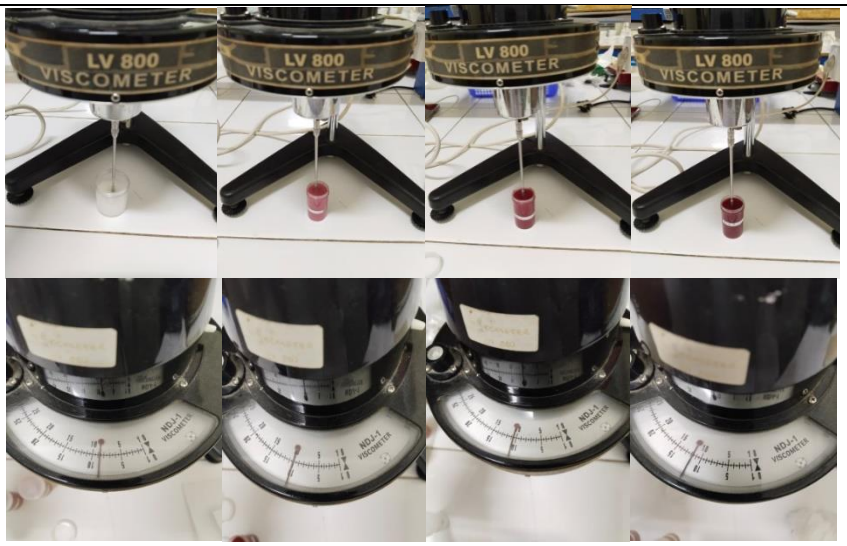


Uji Homogenitas sebelum *cycling test*

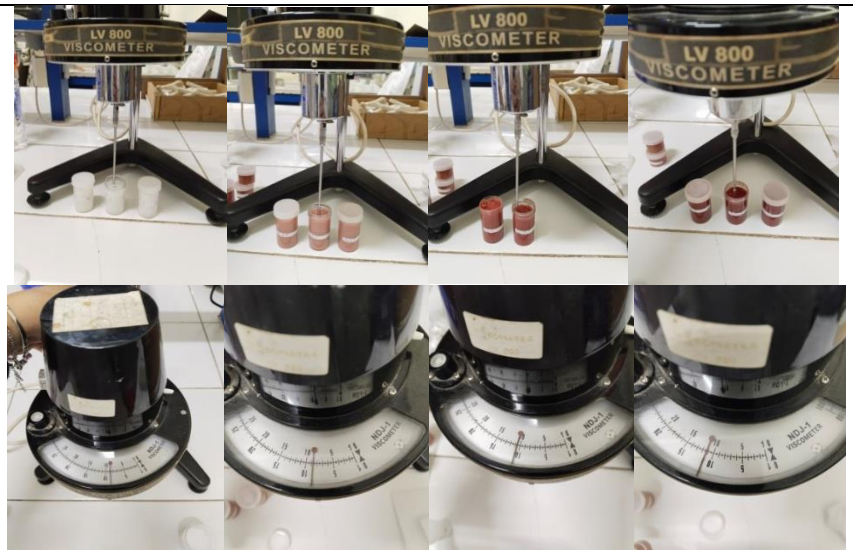


Uji Homogenitas sesudah *cycling test*

3. Uji Viskositas



Uji Viskositas sebelum *cycling test*

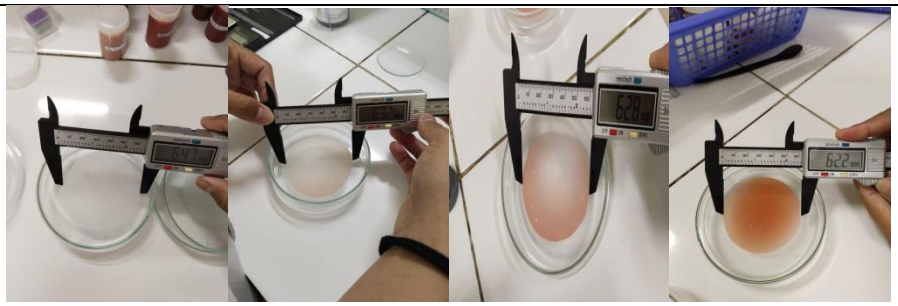


Uji Viskositas sesudah *cycling test*

4. Uji Daya Sebar

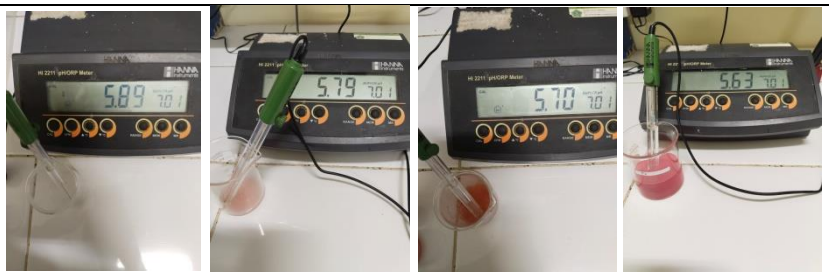


Uji Daya Sebar sebelum *cycling test*



Uji Daya Sebar sesudah *cycling test*

5. Uji Ph



Uji pH sebelum *cycling test*



Uji pH sesudah *cycling test*

6. Uji Stabilitas (*Cycling Test*)



Cycling test suhu 40°C di oven



Cycling test suhu 4°C di kulkas

7. Uji Iritasi Kulit

Sebelum	Setelah 24 jam	Sebelum	Setelah 24 jam
			
			
			
			
			
			



Lampiran 12. Hasil Analis Data SPSS

a. Uji Viskositas

1. Tes Normalitas

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	VSK	Statistic	df	Sig.	Statistic	df	Sig.
SBLM	F1	.175	3	.	1.000	3	1.000
	F2	.175	3	.	1.000	3	1.000
	F3	.175	3	.	1.000	3	1.000
	F4	.253	3	.	.964	3	.637
STLH	F1	.175	3	.	1.000	3	1.000
	F2	.175	3	.	1.000	3	1.000
	F3	.253	3	.	.964	3	.637
	F4	.253	3	.	.964	3	.637

a. Lilliefors Significance Correction

2. Tes Homogenitas

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
SBLM	Based on Mean	.537	3	8	.670
	Based on Median	.407	3	8	.752
	Based on Median and with adjusted df	.407	3	6.000	.754
	Based on trimmed mean	.530	3	8	.674
STLH	Based on Mean	.485	3	8	.702
	Based on Median	.167	3	8	.916
	Based on Median and with adjusted df	.167	3	6.400	.915
	Based on trimmed mean	.460	3	8	.718

3. Tes One-Way ANOVA

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Sebelum *Cycling test*	Between Groups	1140625.000	3	380208.333	2.920	.100
	Within Groups	1041666.667	8	130208.333		
	Total	2182291.667	11			
Setelah	Between Groups	1432291.667	3	477430.556	4.583	.038

Cycling test	Within Groups	833333.333	8	104166.667		
	Total	2265625.000	11			

4. Tes Tukey

Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Viskositas	(J) Viskositas	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
Sebelum *Cycling test*	F1	F2	-250.00000	294.62783	.830	-1193.5020	693.5020
		F3	-500.00000	294.62783	.384	-1443.5020	443.5020
		F4	-833.33333	294.62783	.085	-1776.8353	110.1687
	F2	F1	250.00000	294.62783	.830	-693.5020	1193.5020
		F3	-250.00000	294.62783	.830	-1193.5020	693.5020
		F4	-583.33333	294.62783	.271	-1526.8353	360.1687
	F3	F1	500.00000	294.62783	.384	-443.5020	1443.5020
		F2	250.00000	294.62783	.830	-693.5020	1193.5020
		F4	-333.33333	294.62783	.682	-1276.8353	610.1687
	F4	F1	833.33333	294.62783	.085	-110.1687	1776.8353
		F2	583.33333	294.62783	.271	-360.1687	1526.8353
		F3	333.33333	294.62783	.682	-610.1687	1276.8353
Setelah *Cycling test*	F1	F2	-250.00000	263.52314	.781	-1093.8939	593.8939
		F3	-583.33333	263.52314	.199	-1427.2272	260.5605
		F4	-916.66667*	263.52314	.034	-1760.5605	-72.7728
	F2	F1	250.00000	263.52314	.781	-593.8939	1093.8939
		F3	-333.33333	263.52314	.607	-1177.2272	510.5605
		F4	-666.66667	263.52314	.129	-1510.5605	177.2272
	F3	F1	583.33333	263.52314	.199	-260.5605	1427.2272
		F2	333.33333	263.52314	.607	-510.5605	1177.2272
		F4	-333.33333	263.52314	.607	-1177.2272	510.5605
	F4	F1	916.66667*	263.52314	.034	72.7728	1760.5605
		F2	666.66667	263.52314	.129	-177.2272	1510.5605
		F3	333.33333	263.52314	.607	-510.5605	1177.2272

*. The mean difference is significant at the 0.05 level.

5. Tes Paired Sample

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	Sebelum *Cycling test* - Setelah *Cycling test*	208.33333	257.46433	74.32355	44.74831	371.91836	2.803	11	.017

b. Uji Daya Sebar

1. Tes Normalitas

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	DYSBR	Statistic	df	Sig.	Statistic	df	Sig.
SBLM	F1	.204	3	.	.993	3	.843
	F2	.265	3	.	.953	3	.583
	F3	.253	3	.	.964	3	.637
	F4	.253	3	.	.964	3	.637
STLH	F1	.351	3	.	.828	3	.183
	F2	.346	3	.	.837	3	.206
	F3	.204	3	.	.993	3	.843
	F4	.292	3	.	.923	3	.463

a. Lilliefors Significance Correction

2. Tes Homogenitas

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
SBLM_CT	Based on Mean	1.760	3	8	.232
	Based on Median	.645	3	8	.607
	Based on Median and with adjusted df	.645	3	4.237	.624
	Based on trimmed mean	1.662	3	8	.251
STLH_CT	Based on Mean	3.093	3	8	.090
	Based on Median	.292	3	8	.830
	Based on Median and with adjusted df	.292	3	4.861	.830
	Based on trimmed mean	2.600	3	8	.124

3. Tes One-Way ANOVA

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
SBLM_CT	Between Groups	.035	3	.012	6.540	.015
	Within Groups	.014	8	.002		
	Total	.049	11			
STLH_CT	Between Groups	.097	3	.032	5.735	.022
	Within Groups	.045	8	.006		
	Total	.143	11			

4. Tes Tukey

Multiple Comparisons

Tukey HSD

Dependent Variable	(I) DAYA_SEBAR	(J) DAYA_SEBAR	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
SBLM_CT	F1	F2	.08667	.03424	.129	-.0230	.1963
		F3	.10667	.03424	.057	-.0030	.2163
		F4	.14667*	.03424	.011	.0370	.2563
	F2	F1	-.08667	.03424	.129	-.1963	.0230
		F3	.02000	.03424	.934	-.0896	.1296
		F4	.06000	.03424	.360	-.0496	.1696
	F3	F1	-.10667	.03424	.057	-.2163	.0030
		F2	-.02000	.03424	.934	-.1296	.0896
		F4	.04000	.03424	.661	-.0696	.1496
	F4	F1	-.14667*	.03424	.011	-.2563	-.0370
		F2	-.06000	.03424	.360	-.1696	.0496
		F3	-.04000	.03424	.661	-.1496	.0696
STLH_CT	F1	F2	.15333	.06146	.135	-.0435	.3502
		F3	.20000*	.06146	.047	.0032	.3968
		F4	.23667*	.06146	.020	.0398	.4335
	F2	F1	-.15333	.06146	.135	-.3502	.0435
		F3	.04667	.06146	.870	-.1502	.2435
		F4	.08333	.06146	.557	-.1135	.2802
	F3	F1	-.20000*	.06146	.047	-.3968	-.0032

		F2	-.04667	.06146	.870	-.2435	.1502
		F4	.03667	.06146	.930	-.1602	.2335
	F4	F1	-.23667*	.06146	.020	-.4335	-.0398
		F2	-.08333	.06146	.557	-.2802	.1135
		F3	-.03667	.06146	.930	-.2335	.1602

*. The mean difference is significant at the 0.05 level.

5. Tes Paired Sample

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	SBLM_CT - STLH_CT	-.11417	.05696	.01644	-.15036	-.07797	-6.943	11	.000

c. Uji pH

1. Tes Normalitas

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	PH	Statistic	df	Sig.	Statistic	df	Sig.
SBLM	F1	.314	3	.	.893	3	.363
	F2	.292	3	.	.923	3	.463
	F3	.282	3	.	.936	3	.510
	F4	.204	3	.	.993	3	.843
STLH	F1	.175	3	.	1.000	3	1.000
	F2	.219	3	.	.987	3	.780
	F3	.253	3	.	.964	3	.637
	F4	.219	3	.	.987	3	.780

a. Lilliefors Significance Correction

2. Tes Homogenitas

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
SBLM	Based on Mean	.581	3	8	.644
	Based on Median	.105	3	8	.955

	Based on Median and with adjusted df	.105	3	6.779	.954
	Based on trimmed mean	.525	3	8	.677
STLH	Based on Mean	2.637	3	8	.121
	Based on Median	1.510	3	8	.285
	Based on Median and with adjusted df	1.510	3	3.310	.361
	Based on trimmed mean	2.558	3	8	.128

3. Tes One-Way ANOVA

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
SBLM	Between Groups	.152	3	.051	18.120	.001
	Within Groups	.022	8	.003		
	Total	.174	11			
STLH	Between Groups	.110	3	.037	19.854	.000
	Within Groups	.015	8	.002		
	Total	.124	11			

4. Tes Tukey

Multiple Comparisons

Tukey HSD

Dependent Variable	(I) PH	(J) PH	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
SBLM	F1	F2	.12000	.04314	.091	-.0182	.2582
		F3	.21333*	.04314	.005	.0752	.3515
		F4	.30333*	.04314	.000	.1652	.4415
	F2	F1	-.12000	.04314	.091	-.2582	.0182
		F3	.09333	.04314	.213	-.0448	.2315
		F4	.18333*	.04314	.012	.0452	.3215
	F3	F1	-.21333*	.04314	.005	-.3515	-.0752
		F2	-.09333	.04314	.213	-.2315	.0448
		F4	.09000	.04314	.236	-.0482	.2282
	F4	F1	-.30333*	.04314	.000	-.4415	-.1652
		F2	-.18333*	.04314	.012	-.3215	-.0452
		F3	-.09000	.04314	.236	-.2282	.0482
STLH	F1	F2	.01333	.03504	.980	-.0989	.1255

		F3	.14667*	.03504	.013	.0345	.2589
		F4	.23000*	.03504	.001	.1178	.3422
	F2	F1	-.01333	.03504	.980	-.1255	.0989
		F3	.13333*	.03504	.022	.0211	.2455
		F4	.21667*	.03504	.001	.1045	.3289
	F3	F1	-.14667*	.03504	.013	-.2589	-.0345
		F2	-.13333*	.03504	.022	-.2455	-.0211
		F4	.08333	.03504	.159	-.0289	.1955
	F4	F1	-.23000*	.03504	.001	-.3422	-.1178
		F2	-.21667*	.03504	.001	-.3289	-.1045
		F3	-.08333	.03504	.159	-.1955	.0289

*. The mean difference is significant at the 0.05 level.

5. Tes Paired Sample

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
					95% Confidence Interval of the Difference				
		Mean	Std. Deviation	Std. Error Mean	Lower	Upper			
Pair 1	SBLM - STLH	.13833	.07469	.02156	.09088	.18579	6.416	11	.000

Lampiran 13. Hasil Uji Iritasi Terhadap Responden

Responden	F1 (0%)	F2 (1%)	F3 (3%)	F4 (5%0
Responden 1	(-)	(-)	(-)	(-)
Responden 2	(-)	(-)	(-)	(-)
Responden 3	(-)	(-)	(-)	(-)
Responden 4	(-)	(-)	(-)	(-)
Responden 5	(-)	(-)	(-)	(-)
Responden 6	(-)	(-)	(-)	(-)
Responden 7	(-)	(-)	(-)	(-)
Responden 8	(-)	(-)	(-)	(-)
Responden 9	(-)	(-)	(-)	(-)
Responden 10	(-)	(-)	(-)	(-)
Responden 11	(-)	(-)	(-)	(-)
Responden 12	(-)	(-)	(-)	(-)
Responden 13	(-)	(-)	(-)	(-)
Responden 14	(-)	(-)	(-)	(-)
Responden 15	(-)	(-)	(-)	(-)
Responden 16	(-)	(-)	(-)	(-)
Responden 17	(-)	(-)	(-)	(-)
Responden 18	(-)	(-)	(-)	(-)
Responden 19	(-)	(-)	(-)	(-)
Responden 20	(-)	(-)	(-)	(-)
Responden 21	(-)	(-)	(-)	(-)
Responden 22	(-)	(-)	(-)	(-)
Responden 23	(-)	(-)	(-)	(-)
Responden 24	(-)	(-)	(-)	(-)