

**L
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Lampiran 1. Hasil izin kode etik kehewananan

9/15/22, 7:30 AM

KEPK-RSDM



HEALTH RESEARCH ETHICS COMMITTEE KOMISI ETIK PENELITIAN KESEHATAN

Dr. Moewardi General Hospital
RSUD Dr. Moewardi

ETHICAL CLEARANCE KELAIKAN ETIK

Nomor : 1.178 / IX / HREC / 2022

The Health Research Ethics Committee Dr. Moewardi
Komisi Etik Penelitian Kesehatan RSUD Dr. Moewardi

after reviewing the proposal design, herewith to certify
setelah menilai rancangan penelitian yang diusulkan, dengan ini menyatakan

That the research proposal with topic :
Bahwa usulan penelitian dengan judul

UJI AKTIVITAS KRIM ANTI-AGING EKSTRAK ETANOL DAUN MUDA PEPAYA (*Carica Papaya L.*) PADA KULIT PUNGGUNG
KELINCI NEW ZEALAND YANG DIPAPAR SINAR UV-A.

Principal investigator : Devi Intan Permatasari
Peneliti Utama 25195926A

Location of research : Surakarta
Lokasi Tempat Penelitian

Is ethically approved
Dinyatakan layak etik

Issued on : 15 September 2022

Chairman
Ketua
DR. dr. Hari Wujoso, Sp.FM., MM.
19624022 199503 1 001

Lampiran 2. Surat Keterangan Determinasi Tumbuhan



KEMENTERIAN KESEHATAN REPUBLIK INDONESIA
BADAN KEBIJAKAN PEMBANGUNAN KESEHATAN
 BALAI BESAR PENELITIAN DAN PENGEMBANGAN
 TANAMAN OBAT DAN OBAT TRADISIONAL
 Jalan Lawu No.11 Tawamangu, Karanganyar, Jawa Tengah 57792
 Telepon (0271) 697 010 Faksimile (0271) 697 451
 Laman b2p2toot.litbang.kemkes.go.id Surat Elektronik b2p2toot@litbang.kemkes.go.id

Nomor : KM.04.02/2/1181/2022
 Hal : Keterangan Determinasi

23 Juni 2022

Yth. Dekan Fakultas Farmasi Universitas Setia Budi
 Jalan Let. Jend. Sutoyo, Solo 57127

Merujuk surat Saudara nomor: 790/H6-04/16.06.2022 tanggal 16 Juni 2022 hal permohonan determinasi, dengan ini kami sampaikan bahwa hasil determinasi sampel tanaman sebagai berikut:

Nama Pemohon : Devi Intan Permatasari
 Nama Sampel : Pepaya
 Sampel : Tanaman Segar
 Spesies : *Carica papaya* L.
 Sinonim : *Carica citriformis* J.Jacq. ex Spreng.
 Familia : Caricaceae
 Penanggung Jawab : Nina Kurnianingrum, S.Si.

Hasil determinasi tersebut hanya mencakup sampel tanaman yang telah dikirimkan ke dan/atau berasal dari B2P2TOOT.

Atas perhatian Saudara, kami sampaikan terima kasih.

Kepala Balai Besar Penelitian
 dan Pengembangan Tanaman Obat
 dan Obat Tradisional
 Tawangmangu



Akhmad Saikh, S.K.M., M.Sc.PH.

Lampiran 3. Surat keterangan hewan uji

"ABIMANYU FARM"

✓ Mencit putih jantan ✓ Tikus Wistar ✓ Swis Webster ✓ Cacing
 ✓ Mencit Balb/C ✓ Kelinci New Zealand
 Ngampon RT 04 / RW 04. Mojosongo Kec. Jebres Surakarta. Phone 085 629 994 33 / Lab USB Ska

Yang bertanda tangan di bawah ini:

Nama : Sigit Pramono

Selaku pengelola Abimanyu Farm, menerangkan bahwa hewan uji yang digunakan untuk penelitian, oleh:

Nama : Devi Intan Permatasari
 NIM : 25195926A
 Institusi : Universitas Setia Budi Surakarta

Merupakan hewan uji dengan spesifikasi sebagai berikut:

Jenis hewan : Kelinci New Zealand
 Umur : 2-3 bulan
 Jenis kelamin : Jantan
 Jumlah : 5 ekor
 Keterangan : Sehat
 Asal-usul : Unit Pengembangan Hewan Percobaan Boyolali

Yang pengembangan dan pengelolaannya disesuaikan standar baku penelitian. Demikian surat keterangan ini dibuat untuk digunakan sebagaimana mestinya.

Surakarta, 06 Desember 2022

Hormat kami

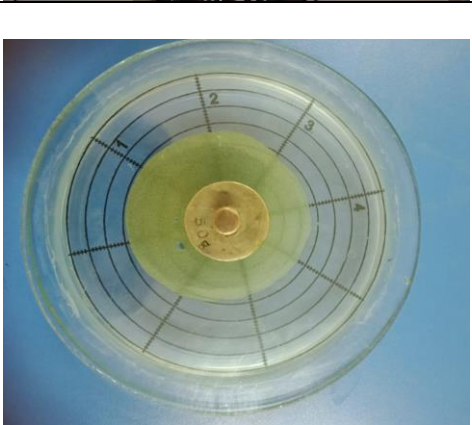


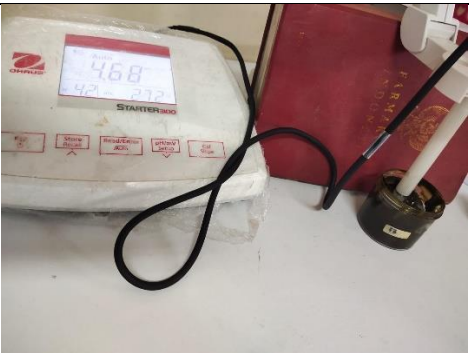
Sigit Pramono

"ABIMANYU FARM"

Lampiran 4. Gambar Penelitian**A. Gambar Alat, Bahan, dan Proses Penelitian**

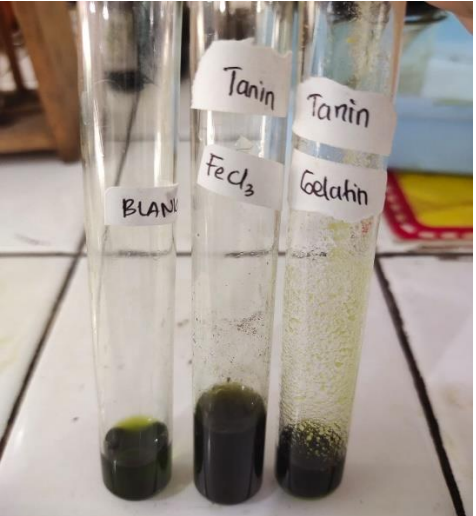
	Daun muda papaya kering
	Serbuk muda papaya
	Alat maserasi
	Evaporator

 A white Ohaus MB23 Moisture Balance. It features a digital display showing '1.99' and '106 06:02'. The device has a yellow warning triangle with three wavy lines on top. The Ohaus logo is visible at the bottom.	Moisture balance
 A Brookfield Viskometer with a digital display showing 'Results Table'. The display lists various parameters: Density, Viscosity, Shear Rate, Shear Stress, Time, Temperature, and Accuracy. The device is mounted on a black stand.	Viskometer brookfield
 A circular, transparent, and slightly yellowed device, likely a spreader or a container for a sample. It has a central gold-colored component and a grid of concentric circles and radial lines.	Alat daya sebar

	pH meter
	Krim ekstrak daun muda papaya (Formula 1, Formula 2. Formula 3, dan kontrol negatif)
	Kontrol Positif
	Gambar alat Skin Analyzer EH900U

	Gambar proses induksi kerutan menggunakan sinar UV-A pada hewan uji kelinci
	Alat uji homogenitas
	Gambar proses pengukuran parameter kerutan menggunakan alat <i>Skin Analyzer</i>

B. Identifikasi kandungan kimia

Gambar	Keterangan
	Senyawa Flavonoid : + - Terbentuk warna jingga
	Senyawa Alkaloid : + - Terbentuk endapan putih (pereaksi mayer) - Terbentuk endapan merah kecoklatan (pereaksi dragendorff) - Terbentuk endapan kuning kecoklatan (pereaksi wagner)
	Senyawa Tanin : + - Terbentuk warna hitam kehijauan.

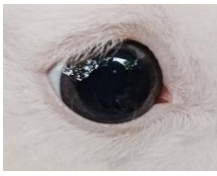
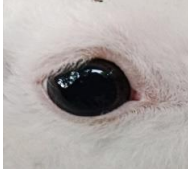
Kelinci	Uji iritasi primer			
	Awal pengolesan	24 jam	48 jam	72 jam
Kelinci 1				
Kelinci 2				
Kelinci 3				

C. Uji Keamanan

Keterangan:

- 1: Formula 1
- 2: Formula 2
- 3: Formula 3
- 4: Kontrol negatif
- 5: Kontrol positif

D. Uji iritasi okuler

Kelinci	Uji iritasi okuler		
	24 Jam	48 Jam	72 Jam
Formula 1			
Formula 2			
Formula 3			
Kontrol negatif			
Kontrol positif			

Lampiran 5. Perhitungan rendemen berat daun muda papaya menjadi serbuk daun muda papaya

Diketahui :

- Bobot daun muda papaya = 9,5 kg
- Bobot daun muda papaya kering = 3 kg
- Bobot serbuk daun muda papaya = 1 kg

Perhitungan % rendemen

$$\% \text{ rendemen} = \frac{\text{bobot serbuk daun muda papaya}}{\text{bobot daun muda pepaya}} \times 100\%$$

$$\% \text{ rendemen} = \frac{1 \text{ kg}}{3 \text{ kg}} \times 100\% = 33,33\%$$

Lampiran 6. Perhitungan rendemen ekstrak

Diketahui :

- Bobot ekstrak = 63 gram

Perhitungan % rendemen

$$\% \text{ rendemen} = \frac{\text{bobot ekstrak kental}}{\text{bobot simplisia}} \times 100\%$$

$$\% \text{ rendemen} = \frac{63}{1000} \times 100\% = 6,3\%$$

Lampiran 7. Hasil penetapan susut pengeringan serbuk dan ekstrak daun muda pepaya

	Berat (g)	Susut pengeringan (%)	Kandungan (%)
Serbuk	2,01	6,0	
	2,01	7,5	
	2,01	6,5	
	Rata-rata ± SD	6,67 ± 0,62	≤10
Ekstrak	2,01	2	
	2,01	1	
	2,01	1	
	Rata-rata ± SD	1,33 ± 0,47	≤10

Ekstrak daun muda pepaya memenuhi persyaratan susut pengeringan.

Lampiran 8. Uji mutu fisik

1. Organoleptik

Formula	Minggu ke-1			Minggu ke-2		
	Warna	Bau	Tekstur	Warna	Bau	Tekstur
F1	Hijau	Vaselin	Semi padat	Hijau	Ekstrak	Semi padat
F2	Hijau	Vaselin	Semi padat	Hijau	Ekstrak	Semi padat
F3	Hijau	Vaselin	Semi padat	Hijau	Ekstrak	Semi padat
F4	Putih	Vaselin	Semi padat	Putih	Vaselin	Semi padat

2. pH

Formula	Hari ke-1	Hari ke-7
F1	4,25	4,28
	4,27	4,31
	4,35	4,52
Rata-rata ± SD	4,29 ± 0,04	4,37 ± 0,10
F2	5,42	5,54
	5,37	5,39
	5,48	5,47
Rata-rata ± SD	5,42 ± 0,04	5,46 ± 0,06
F3	5,67	5,68
	5,65	5,66
	5,76	5,75
Rata-rata ± SD	5,69 ± 0,05	5,69 ± 0,04
F4	5,21	5,24
	5,10	5,23
	5,12	5,15
Rata-rata ± SD	5,14 ± 0,04	5,20 ± 0,04

Hasil Uji statistika ANOVA pH minggu ke-1

Tests of Normality							
	Krim	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Minggu1	Krim ekstrak 2,5%	.314	3	.	.893	3	.363
	krim ekstrak 5%	.191	3	.	.997	3	.900
	Krim ekstrak 10%	.321	3	.	.881	3	.328
	krim kontrol negatif	.321	3	.	.881	3	.328

a. Lilliefors Significance Correction

ANOVA

Minggu1

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3.327	3	1.109	349.273	.000
Within Groups	.025	8	.003		
Total	3.352	11			

Multiple Comparisons

Dependent Variable: Minggu1

Tukey HSD

(I) Krim	(J) Krim	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Krim ekstrak 2,5%	krim ekstrak 5%	-1.13333*	.04601	.000	-1.2807	-.9860
	Krim ekstrak 10%	-1.40333*	.04601	.000	-1.5507	-1.2560
	krim kontrol negatif	-.85333*	.04601	.000	-1.0007	-.7060
krim ekstrak 5%	Krim ekstrak 2,5%	1.13333*	.04601	.000	.9860	1.2807
	Krim ekstrak 10%	-.27000*	.04601	.002	-.4173	-.1227
	krim kontrol negatif	.28000*	.04601	.001	.1327	.4273
Krim ekstrak 10%	Krim ekstrak 2,5%	1.40333*	.04601	.000	1.2560	1.5507
	krim ekstrak 5%	.27000*	.04601	.002	.1227	.4173
	krim kontrol negatif	.55000*	.04601	.000	.4027	.6973
krim kontrol negatif	Krim ekstrak 2,5%	.85333*	.04601	.000	.7060	1.0007
	krim ekstrak 5%	-.28000*	.04601	.001	-.4273	-.1327
	Krim ekstrak 10%	-.55000*	.04601	.000	-.6973	-.4027

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

Minggu1

Tukey HSD^a

Krim	N	Subset for alpha = 0.05			
		1	2	3	4
Krim ekstrak 2,5%	3	4.2900			
krim kontrol negatif	3		5.1433		
krim ekstrak 5%	3			5.4233	
Krim ekstrak 10%	3				5.6933
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

Hasil Uji statistika ANOVA pH minggu ke-2

Tests of Normality

	Krim	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Minggu1	Krim ekstrak 2,5%	.343	3	.	.842	3	.220
	krim ekstrak 5%	.184	3	.	.999	3	.927
	Krim ekstrak 10%	.304	3	.	.907	3	.407
	krim kontrol negatif	.349	3	.	.832	3	.194

a. Lilliefors Significance Correction

ANOVA

Minggu1

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3.017	3	1.006	146.837	.000
Within Groups	.055	8	.007		
Total	3.072	11			

Multiple Comparisons

Dependent Variable: Minggu1

Tukey HSD

(I) Krim (J) Krim		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Krim ekstrak 2,5%	krim ekstrak 5%	-1.09667*	.06758	.000	-1.3131	-.8803
	Krim ekstrak 10%	-1.32667*	.06758	.000	-1.5431	-1.1103
	krim kontrol negatif	-.83667*	.06758	.000	-1.0531	-.6203
krim ekstrak 5%	Krim ekstrak 2,5%	1.09667*	.06758	.000	.8803	1.3131
	Krim ekstrak 10%	-.23000*	.06758	.038	-.4464	-.0136
	krim kontrol negatif	.26000*	.06758	.020	.0436	.4764
Krim ekstrak 10%	Krim ekstrak 2,5%	1.32667*	.06758	.000	1.1103	1.5431
	krim ekstrak 5%	.23000*	.06758	.038	.0136	.4464
	krim kontrol negatif	.49000*	.06758	.000	.2736	.7064
krim kontrol negatif	Krim ekstrak 2,5%	.83667*	.06758	.000	.6203	1.0531
	krim ekstrak 5%	-.26000*	.06758	.020	-.4764	-.0436
	Krim ekstrak 10%	-.49000*	.06758	.000	-.7064	-.2736

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

Minggu1Tukey HSD^a

Krim	N	Subset for alpha = 0.05			
		1	2	3	4
Krim ekstrak 2,5%	3	4.3700			
krim kontrol negatif	3		5.2067		
krim ekstrak 5%	3			5.4667	
Krim ekstrak 10%	3				5.6967
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

3. Homogenitas

Formula	Minggu ke-1	Minggu ke-2
F1	Homogen	Homogen
F2	Homogen	Homogen
F3	Homogen	Homogen
F4	Homogen	Homogen

4. Viskositas

Formula	Minggu ke-1	Minggu ke-2
F1	2420	2560
	2750	2780
	2550	2610
	Rata-rata ± SD	2573,33 ± 135,73
F2	3100	3210
	2987	3100
	3340	3350
	Rata-rata ± SD	3142,33 ± 147,19
F3	3940	3945
	3800	3890
	3760	3810
	Rata-rata ± SD	3833,33 ± 77,17
F4	2360	2365
	2410	2420
	2380	2370
	Rata-rata ± SD	2383,33 ± 20,55

Hasil uji statistika ANOVA pada viskositas minggu ke-1

Tests of Normality

	Krim	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Minggu1	Krim ekstrak 2,5%	.356	3	.	.818	3	.157
	krim ekstrak 5%	.259	3	.	.959	3	.609
	Krim ekstrak 10%	.304	3	.	.907	3	.407
	krim kontrol negatif	.187	3	.	.998	3	.915

a. Lilliefors Significance Correction

ANOVA

Minggu1

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4124804.333	3	1374934.778	100.627	.000
Within Groups	109309.333	8	13663.667		
Total	4234113.667	11			

Multiple Comparisons

Dependent Variable: Minggu1

Tukey HSD

(I) Krim (J) Krim		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Krim ekstrak 2,5%	krim ekstrak 5%	-352.333 [*]	95.442	.025	-657.97	-46.70
	Krim ekstrak 10%	-1043.333 [*]	95.442	.000	-1348.97	-737.70
	krim kontrol negatif	575.000 [*]	95.442	.001	269.36	880.64
krim ekstrak 5%	Krim ekstrak 2,5%	352.333	95.442	.025	46.70	657.97
	Krim ekstrak 10%	-691.000 [*]	95.442	.000	-996.64	-385.36
	krim kontrol negatif	927.333 [*]	95.442	.000	621.70	1232.97
Krim ekstrak 10%	Krim ekstrak 2,5%	1043.333 [*]	95.442	.000	737.70	1348.97
	krim ekstrak 5%	691.000 [*]	95.442	.000	385.36	996.64
	krim kontrol negatif	1618.333 [*]	95.442	.000	1312.70	1923.97
krim kontrol negatif	Krim ekstrak 2,5%	-575.000 [*]	95.442	.001	-880.64	-269.36
	krim ekstrak 5%	-927.333 [*]	95.442	.000	-1232.97	-621.70
	Krim ekstrak 10%	-1618.333 [*]	95.442	.000	-1923.97	-1312.70

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

Minggu1Tukey HSD^a

Krim	N	Subset for alpha = 0.05			
		1	2	3	4
krim kontrol negatif	3	2215.00			
Krim ekstrak 2,5%	3		2790.00		
krim ekstrak 5%	3			3142.33	
Krim ekstrak 10%	3				3833.33
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

Hasil uji statistika ANOVA pada viskositas minggu ke-2**Tests of Normality**

	Krim	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Minggu1	Krim ekstrak 2,5%	.302	3	.	.910	3	.417
	krim ekstrak 5%	.198	3	.	.995	3	.868
	Krim ekstrak 10%	.216	3	.	.989	3	.797
	krim kontrol negatif	.356	3	.	.818	3	.157

a. Lilliefors Significance Correction

ANOVA

Minggu2

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3965375.000	3	1321791.667	153.103	.000
Within Groups	69066.667	8	8633.333		
Total	4034441.667	11			

Multiple Comparisons

Dependent Variable: Minggu2

Tukey HSD

(I) Krim (J) Krim		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Krim ekstrak 2,5%	krim ekstrak 5%	-570.000 [*]	75.865	.000	-812.95	-327.05
	Krim ekstrak 10%	-1231.667 [*]	75.865	.000	-1474.61	-988.72
	krim kontrol negatif	265.000 [*]	75.865	.033	22.05	507.95
krim ekstrak 5%	Krim ekstrak 2,5%	570.000 [*]	75.865	.000	327.05	812.95
	Krim ekstrak 10%	-661.667 [*]	75.865	.000	-904.61	-418.72
	krim kontrol negatif	835.000 [*]	75.865	.000	592.05	1077.95
Krim ekstrak 10%	Krim ekstrak 2,5%	1231.667 [*]	75.865	.000	988.72	1474.61
	krim ekstrak 5%	661.667 [*]	75.865	.000	418.72	904.61
	krim kontrol negatif	1496.667 [*]	75.865	.000	1253.72	1739.61
krim kontrol negatif	Krim ekstrak 2,5%	-265.000 [*]	75.865	.033	-507.95	-22.05
	krim ekstrak 5%	-835.000 [*]	75.865	.000	-1077.95	-592.05
	Krim ekstrak 10%	-1496.667 [*]	75.865	.000	-1739.61	-1253.72

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

Minggu2

Tukey HSD^a

Krim	N	Subset for alpha = 0.05			
		1	2	3	4
krim kontrol negatif	3	2385.00			
Krim ekstrak 2,5%	3		2650.00		
krim ekstrak 5%	3			3220.00	
Krim ekstrak 10%	3				3881.67
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

5. Daya lekat

Formula	Minggu ke-1	Minggu ke-2
	1.65	1.67
FI	1.57	1.63
	1.62	1.68
Rata-rata ± SD	1,61 ± 0,03	1,66 ± 0,02
	1.85	1.89
F2	1.87	1.88
	1.89	1.87
Rata-rata ± SD	1,87 ± 0,02	1,88 ± 0,01
	1.97	1.98
F3	1.89	1.91
	1.92	1.93
Rata-rata ± SD	1,92 ± 0,03	1,94 ± 0,03
	1.52	1.53
F4	1.51	1.52
	1.53	1.54
Rata-rata ± SD	1,52 ± 0,01	1,53 ± 0,01

Hasil uji statistika ANOVA pada daya lekat minggu ke-1

Tests of Normality

	Krim	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Minggu1	Krim ekstrak 2,5%	.232	3	.	.980	3	.726
	krim ekstrak 5%	.175	3	.	1.000	3	1.000
	Krim ekstrak 10%	.232	3	.	.980	3	.726
	krim kontrol negatif	.175	3	.	1.000	3	1.000

a. Lilliefors Significance Correction

ANOVA

Minggu1

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.348	3	.116	123.147	.000
Within Groups	.008	8	.001		
Total	.355	11			

Multiple Comparisons

Dependent Variable: Minggu1

Tukey HSD

(I) Krim (J) Krim		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Krim ekstrak 2,5%	krim ekstrak 5%	-.25667 [*]	.02506	.000	-.3369	-.1764
	Krim ekstrak 10%	-.31333 [*]	.02506	.000	-.3936	-.2331
	krim kontrol negatif	.09333 [*]	.02506	.024	.0131	.1736
krim ekstrak 5%	Krim ekstrak 2,5%	.25667 [*]	.02506	.000	.1764	.3369
	Krim ekstrak 10%	-.05667	.02506	.187	-.1369	.0236
	krim kontrol negatif	.35000 [*]	.02506	.000	.2698	.4302
Krim ekstrak 10%	Krim ekstrak 2,5%	.31333 [*]	.02506	.000	.2331	.3936
	krim ekstrak 5%	.05667	.02506	.187	-.0236	.1369
	krim kontrol negatif	.40667 [*]	.02506	.000	.3264	.4869
krim kontrol negatif	Krim ekstrak 2,5%	-.09333 [*]	.02506	.024	-.1736	-.0131
	krim ekstrak 5%	-.35000 [*]	.02506	.000	-.4302	-.2698
	Krim ekstrak 10%	-.40667 [*]	.02506	.000	-.4869	-.3264

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

Minggu1

Tukey HSD^a

Krim	N	Subset for alpha = 0.05		
		1	2	3
krim kontrol negatif	3	1.5200	1.6133	1.8700
Krim ekstrak 2,5%	3			
krim ekstrak 5%	3			
Krim ekstrak 10%	3			1.9267
Sig.		1.000	1.000	.187

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

Hasil uji statistika ANOVA pada daya lekat minggu ke-2

Tests of Normality

	Krim	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Minggu2	Krim ekstrak 2,5%	.314	3	.	.893	3	.363
	krim ekstrak 5%	.175	3	.	1.000	3	1.000
	Krim ekstrak 10%	.276	3	.	.942	3	.537
	krim kontrol negatif	.175	3	.	1.000	3	1.000

a. Lilliefors Significance Correction

ANOVA

Minggu2

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.328	3	.109	199.045	.000
Within Groups	.004	8	.001		
Total	.333	11			

Multiple Comparisons

Dependent Variable: Minggu2

Tukey HSD

(I) Krim (J) Krim		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Krim ekstrak 2,5%	krim ekstrak 5%	-.22000 [*]	.01915	.000	-.2813	-.1587
	Krim ekstrak 10%	-.28000 [*]	.01915	.000	-.3413	-.2187
	krim kontrol negatif	.13000 [*]	.01915	.001	.0687	.1913
krim ekstrak 5%	Krim ekstrak 2,5%	.22000 [*]	.01915	.000	.1587	.2813
	Krim ekstrak 10%	-.06000	.01915	.055	-.1213	.0013
	krim kontrol negatif	.35000 [*]	.01915	.000	.2887	.4113
Krim ekstrak 10%	Krim ekstrak 2,5%	.28000 [*]	.01915	.000	.2187	.3413
	krim ekstrak 5%	.06000	.01915	.055	-.0013	.1213
	krim kontrol negatif	.41000 [*]	.01915	.000	.3487	.4713
krim kontrol negatif	Krim ekstrak 2,5%	-.13000 [*]	.01915	.001	-.1913	-.0687
	krim ekstrak 5%	-.35000 [*]	.01915	.000	-.4113	-.2887
	Krim ekstrak 10%	-.41000 [*]	.01915	.000	-.4713	-.3487

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

Minggu2

Tukey HSD^a

Krim	N	Subset for alpha = 0.05		
		1	2	3
krim kontrol negatif	3	1.5300	1.6600	1.8800 1.9400
Krim ekstrak 2,5%	3			
krim ekstrak 5%	3			
Krim ekstrak 10%	3			
Sig.		1.000	1.000	.055

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

6. Daya sebar

Sediaan	Replikasi	Minggu ke-1				Minggu ke-2			
		Beban							
		0	50	100	150	0	50	100	150
Krim	1	5.4	5.5	5.65	5.80	5.38	5.51	5.69	5.86
Ekstrak	2	5.45	5.57	5.68	5.77	5.44	5.54	5.68	5.84
Daun	3	5.42	5.55	5.64	5.85	5.45	5.55	5.67	5.85
Muda		5.42	5.54	5.65	5.80	5.42	5.53	5.68	5.85
pepaya	Rata-rata	±0,02	±0,03	±0,01	±0,03	±0,03	0,02	±0,01	±0,01
2,5%	± SD								
Krim	1	5.65	5.8	5.9	6.45	5.66	5.83	5.92	6.47
Ekstrak	2	5.64	5.87	5.97	6.43	5.67	5.84	5.98	6.45
Daun	3	5.68	5.89	5.98	6.5	5.69	5.88	5.96	6.5
Muda		5.65	5.85	5.95	6.46	5.67	5.85	5.95	6.47
pepaya	Rata-rata	±0,016	±0,04	±0,03	±0,03	±0,01	±0,02	±0,03	±0,02
5%	± SD								
Krim	1	5.8	5.95	6.25	6.56	5.81	5.97	6.24	6.55
Ekstrak	2	5.7	5.91	6.23	6.78	5.73	5.94	6.22	6.79
Daun	3	5.85	5.89	6.24	6.76	5.86	5.9	6.23	6.77
Muda		5.78	5.91	6.24	6.70	5.80	5.93	6.23	6.70
pepaya	Rata-rata	±0.06	±0.02	±0,01	±0,1	±0,05	±0,02	±0,01	±0,11
10%	± SD								
Krim	1	5.1	5.23	5.4	5.6	5.13	5.26	5.48	5.57
Kontrol	2	5.12	5.24	5.43	5.64	5.12	5.23	5.47	5.65
Negatif	3	5.2	5.25	5.42	5.63	5.19	5.24	5.45	5.54
	Rata-rata	5,14	5,24	5,41	5,62	5,14	5,24	5,46	5,58
	± SD	±0,04	0,01	±0,01	±0,01	±0,03	±0,01	±0,01	±0,04

Hasil uji statistika ANOVA pada daya sebar krim minggu ke-1 Dengan beban 0 gram

Tests of Normality

	Krim	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Minggu1	Krim ekstrak 2,5%	.219	3	.	.987	3	.780
	krim ekstrak 5%	.292	3	.	.923	3	.463
	Krim ekstrak 10%	.253	3	.	.964	3	.637
	krim kontrol negatif	.314	3	.	.893	3	.363

a. Lilliefors Significance Correction

ANOVA

Minggu1

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.721	3	.240	99.092	.000
Within Groups	.019	8	.002		
Total	.740	11			

Multiple Comparisons

Dependent Variable: Minggu1

Tukey HSD

(I) Krim	(J) Krim	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Krim ekstrak 2,5%	krim ekstrak 5%	-.23333 [*]	.04021	.002	-.3621	-.1046
	Krim ekstrak 10%	-.36000 [*]	.04021	.000	-.4888	-.2312
	krim kontrol negatif	.28333 [*]	.04021	.000	.1546	.4121
krim ekstrak 5%	Krim ekstrak 2,5%	.23333 [*]	.04021	.002	.1046	.3621
	Krim ekstrak 10%	-.12667	.04021	.054	-.2554	.0021
	krim kontrol negatif	.51667 [*]	.04021	.000	.3879	.6454
Krim ekstrak 10%	Krim ekstrak 2,5%	.36000 [*]	.04021	.000	.2312	.4888
	krim ekstrak 5%	.12667	.04021	.054	-.0021	.2554
	krim kontrol negatif	.64333 [*]	.04021	.000	.5146	.7721
krim kontrol negatif	Krim ekstrak 2,5%	-.28333 [*]	.04021	.000	-.4121	-.1546
	krim ekstrak 5%	-.51667 [*]	.04021	.000	-.6454	-.3879
	Krim ekstrak 10%	-.64333 [*]	.04021	.000	-.7721	-.5146

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

Minggu1

Tukey HSD^a

Krim	N	Subset for alpha = 0.05		
		1	2	3
krim kontrol negatif	3	5.1400	5.4233	5.6567
Krim ekstrak 2,5%	3			
krim ekstrak 5%	3			
Krim ekstrak 10%	3			5.7833
Sig.		1.000	1.000	.054

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

Dengan beban 50 gram

Tests of Normality

	Krim	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Minggu1	Krim ekstrak 2,5%	.276	3	.	.942	3	.537
	krim ekstrak 5%	.304	3	.	.907	3	.407
	Krim ekstrak 10%	.253	3	.	.964	3	.637
	krim kontrol negatif	.175	3	.	1.000	3	1.000

a. Lilliefors Significance Correction

ANOVA

Minggu1

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.876	3	.292	255.793	.000
Within Groups	.009	8	.001		
Total	.885	11			

Multiple Comparisons

Dependent Variable: Minggu1

Tukey HSD

(I) Krim	(J) Krim	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Krim ekstrak 2,5%	krim ekstrak 5%	-.31333 [*]	.02759	.000	-.4017	-.2250
	Krim ekstrak 10%	-.37667 [*]	.02759	.000	-.4650	-.2883
	krim kontrol negatif	.30000 [*]	.02759	.000	.2117	.3883
krim ekstrak 5%	Krim ekstrak 2,5%	.31333 [*]	.02759	.000	.2250	.4017
	Krim ekstrak 10%	-.06333	.02759	.178	-.1517	.0250
	krim kontrol negatif	.61333 [*]	.02759	.000	.5250	.7017
Krim ekstrak 10%	Krim ekstrak 2,5%	.37667 [*]	.02759	.000	.2883	.4650
	krim ekstrak 5%	.06333	.02759	.178	-.0250	.1517
	krim kontrol negatif	.67667 [*]	.02759	.000	.5883	.7650
krim kontrol negatif	Krim ekstrak 2,5%	-.30000 [*]	.02759	.000	-.3883	-.2117
	krim ekstrak 5%	-.61333 [*]	.02759	.000	-.7017	-.5250
	Krim ekstrak 10%	-.67667 [*]	.02759	.000	-.7650	-.5883

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

Minggu1

Tukey HSD^a

Krim	N	Subset for alpha = 0.05		
		1	2	3
krim kontrol negatif	3	5.2400	5.5400	5.8533
Krim ekstrak 2,5%	3			
krim ekstrak 5%	3			
Krim ekstrak 10%	3			5.9167
Sig.		1.000	1.000	.178

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

Dengan beban 100 g

Tests of Normality

	Krim	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Minggu1	Krim ekstrak 2,5%	.292	3	.	.923	3	.463
	krim ekstrak 5%	.343	3	.	.842	3	.220
	Krim ekstrak 10%	.175	3	.	1.000	3	1.000
	krim kontrol negatif	.253	3	.	.964	3	.637

a. Lilliefors Significance Correction

ANOVA

Minggu1

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1.148	3	.383	573.879	.000
Within Groups	.005	8	.001		
Total	1.153	11			

Multiple Comparisons

Dependent Variable: Minggu1

Tukey HSD

(I) Krim	(J) Krim	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Krim ekstrak 2,5%	krim ekstrak 5%	-.29333 [*]	.02108	.000	-.3608	-.2258
	Krim ekstrak 10%	-.58333 [*]	.02108	.000	-.6508	-.5158
	krim kontrol negatif	.24000 [*]	.02108	.000	.1725	.3075
krim ekstrak 5%	Krim ekstrak 2,5%	.29333 [*]	.02108	.000	.2258	.3608
	Krim ekstrak 10%	-.29000 [*]	.02108	.000	-.3575	-.2225
	krim kontrol negatif	.53333 [*]	.02108	.000	.4658	.6008
Krim ekstrak 10%	Krim ekstrak 2,5%	.58333 [*]	.02108	.000	.5158	.6508
	krim ekstrak 5%	.29000 [*]	.02108	.000	.2225	.3575
	krim kontrol negatif	.82333 [*]	.02108	.000	.7558	.8908
krim kontrol negatif	Krim ekstrak 2,5%	-.24000 [*]	.02108	.000	-.3075	-.1725
	krim ekstrak 5%	-.53333 [*]	.02108	.000	-.6008	-.4658
	Krim ekstrak 10%	-.82333 [*]	.02108	.000	-.8908	-.7558

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

Minggu1

Tukey HSD^a

Krim	N	Subset for alpha = 0.05			
		1	2	3	4
krim kontrol negatif	3	5.4167			
Krim ekstrak 2,5%	3		5.6567		
krim ekstrak 5%	3			5.9500	
Krim ekstrak 10%	3				6.2400
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

Dengan beban 150 g

Tests of Normality

	Krim	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Minggu1	Krim ekstrak 2,5%	.232	3	.	.980	3	.726
	krim ekstrak 5%	.276	3	.	.942	3	.537
	Krim ekstrak 10%	.356	3	.	.818	3	.157
	krim kontrol negatif	.292	3	.	.923	3	.463

a. Lilliefors Significance Correction

ANOVA

Minggu1

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2.381	3	.794	174.788	.000
Within Groups	.036	8	.005		
Total	2.418	11			

Multiple Comparisons

Dependent Variable: Minggu1

Tukey HSD

		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
(I) Krim	(J) Krim				Lower Bound	Upper Bound
Krim ekstrak 2,5%	krim ekstrak 5%	-.65333*	.05503	.000	-.8295	-.4771
	Krim ekstrak 10%	-.89333*	.05503	.000	-1.0695	-.7171
	krim kontrol negatif	.18333*	.05503	.042	.0071	.3595
krim ekstrak 5%	Krim ekstrak 2,5%	.65333*	.05503	.000	.4771	.8295
	Krim ekstrak 10%	-.24000*	.05503	.010	-.4162	-.0638
	krim kontrol negatif	.83667*	.05503	.000	.6605	1.0129
Krim ekstrak 10%	Krim ekstrak 2,5%	.89333*	.05503	.000	.7171	1.0695
	krim ekstrak 5%	.24000*	.05503	.010	.0638	.4162
	krim kontrol negatif	1.07667*	.05503	.000	.9005	1.2529
krim kontrol negatif	Krim ekstrak 2,5%	-.18333*	.05503	.042	-.3595	-.0071
	krim ekstrak 5%	-.83667*	.05503	.000	-1.0129	-.6605
	Krim ekstrak 10%	-1.07667*	.05503	.000	-1.2529	-.9005

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

Minggu1

Tukey HSD^a

Krim	N	Subset for alpha = 0.05			
		1	2	3	4
krim kontrol negatif	3	5.6233	5.8067	6.4600	6.7000
Krim ekstrak 2,5%	3				
krim ekstrak 5%	3				
Krim ekstrak 10%	3				
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

Hasil uji statistika ANOVA pada daya sebar krim minggu ke-2 Dengan beban 0 gram

Tests of Normality

	Krim	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Minggu2	Krim ekstrak 2,5%	.337	3	.	.855	3	.253
	krim ekstrak 5%	.253	3	.	.964	3	.637
	Krim ekstrak 10%	.227	3	.	.983	3	.747
	krim kontrol negatif	.337	3	.	.855	3	.253

a. Lilliefors Significance Correction

ANOVA

Minggu2

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.751	3	.250	135.296	.000
Within Groups	.015	8	.002		
Total	.766	11			

Multiple Comparisons

Dependent Variable: Minggu2

Tukey HSD

(I) Krim	(J) Krim	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Krim ekstrak 2,5%	krim ekstrak 5%	-.25000 [*]	.03512	.000	-.3625	-.1375
	Krim ekstrak 10%	-.37667 [*]	.03512	.000	-.4891	-.2642
	krim kontrol negatif	.27667 [*]	.03512	.000	.1642	.3891
krim ekstrak 5%	Krim ekstrak 2,5%	.25000 [*]	.03512	.000	.1375	.3625
	Krim ekstrak 10%	-.12667 [*]	.03512	.028	-.2391	-.0142
	krim kontrol negatif	.52667 [*]	.03512	.000	.4142	.6391
Krim ekstrak 10%	Krim ekstrak 2,5%	.37667 [*]	.03512	.000	.2642	.4891
	krim ekstrak 5%	.12667 [*]	.03512	.028	.0142	.2391
	krim kontrol negatif	.65333 [*]	.03512	.000	.5409	.7658
krim kontrol negatif	Krim ekstrak 2,5%	-.27667 [*]	.03512	.000	-.3891	-.1642
	krim ekstrak 5%	-.52667 [*]	.03512	.000	-.6391	-.4142
	Krim ekstrak 10%	-.65333 [*]	.03512	.000	-.7658	-.5409

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

Minggu2Tukey HSD^a

Krim	N	Subset for alpha = 0.05			
		1	2	3	4
krim kontrol negatif	3	5.1467			
Krim ekstrak 2,5%	3		5.4233		
krim ekstrak 5%	3			5.6733	
Krim ekstrak 10%	3				5.8000
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

Dengan beban 50 gram**Tests of Normality**

	Krim	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Minggu2	Krim ekstrak 2,5%	.292	3	.	.923	3	.463
	krim ekstrak 5%	.314	3	.	.893	3	.363
	Krim ekstrak 10%	.204	3	.	.993	3	.843
	krim kontrol negatif	.253	3	.	.964	3	.637

a. Lilliefors Significance Correction

ANOVA

Minggu2

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.902	3	.301	462.816	.000
Within Groups	.005	8	.001		
Total	.908	11			

Multiple Comparisons

Dependent Variable: Minggu2

Tukey HSD

(I) Krim	(J) Krim	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Krim ekstrak 2,5%	krim ekstrak 5%	-.31667 [*]	.02082	.000	-.3833	-.2500
	Krim ekstrak 10%	-.40333 [*]	.02082	.000	-.4700	-.3367
	krim kontrol negatif	.29000 [*]	.02082	.000	.2233	.3567
krim ekstrak 5%	Krim ekstrak 2,5%	.31667 [*]	.02082	.000	.2500	.3833
	Krim ekstrak 10%	-.08667 [*]	.02082	.013	-.1533	-.0200
	krim kontrol negatif	.60667 [*]	.02082	.000	.5400	.6733
Krim ekstrak 10%	Krim ekstrak 2,5%	.40333 [*]	.02082	.000	.3367	.4700
	krim ekstrak 5%	.08667 [*]	.02082	.013	.0200	.1533
	krim kontrol negatif	.69333 [*]	.02082	.000	.6267	.7600
krim kontrol negatif	Krim ekstrak 2,5%	-.29000 [*]	.02082	.000	-.3567	-.2233
	krim ekstrak 5%	-.60667 [*]	.02082	.000	-.6733	-.5400
	Krim ekstrak 10%	-.69333 [*]	.02082	.000	-.7600	-.6267

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

Minggu2

Tukey HSD^a

Krim	N	Subset for alpha = 0.05			
		1	2	3	4
krim kontrol negatif	3	5.2433			
Krim ekstrak 2,5%	3		5.5333		
krim ekstrak 5%	3			5.8500	
Krim ekstrak 10%	3				5.9367
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

Dengan beban 100 gram

Tests of Normality

	Krim	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Minggu2	Krim ekstrak 2,5%	.175	3	.	1.000	3	1.000
	krim ekstrak 5%	.253	3	.	.964	3	.637
	Krim ekstrak 10%	.175	3	.	1.000	3	1.000
	krim kontrol negatif	.253	3	.	.964	3	.637

a. Lilliefors Significance Correction

ANOVA

Minggu2

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.989	3	.330	964.967	.000
Within Groups	.003	8	.000		
Total	.992	11			

Multiple Comparisons

Dependent Variable: Minggu2

Tukey HSD

(I) Krim	(J) Krim	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Krim ekstrak 2,5%	krim ekstrak 5%	-.27333 [*]	.01509	.000	-.3217	-.2250
	Krim ekstrak 10%	-.55000 [*]	.01509	.000	-.5983	-.5017
	krim kontrol negatif	.21333 [*]	.01509	.000	.1650	.2617
krim ekstrak 5%	Krim ekstrak 2,5%	.27333 [*]	.01509	.000	.2250	.3217
	Krim ekstrak 10%	-.27667 [*]	.01509	.000	-.3250	-.2283
	krim kontrol negatif	.48667 [*]	.01509	.000	.4383	.5350
Krim ekstrak 10%	Krim ekstrak 2,5%	.55000 [*]	.01509	.000	.5017	.5983
	krim ekstrak 5%	.27667 [*]	.01509	.000	.2283	.3250
	krim kontrol negatif	.76333 [*]	.01509	.000	.7150	.8117
krim kontrol negatif	Krim ekstrak 2,5%	-.21333 [*]	.01509	.000	-.2617	-.1650
	krim ekstrak 5%	-.48667 [*]	.01509	.000	-.5350	-.4383
	Krim ekstrak 10%	-.76333 [*]	.01509	.000	-.8117	-.7150

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

Minggu2Tukey HSD^a

Krim	N	Subset for alpha = 0.05			
		1	2	3	4
krim kontrol negatif	3	5.4667			
Krim ekstrak 2,5%	3		5.6800		
krim ekstrak 5%	3			5.9533	
Krim ekstrak 10%	3				6.2300
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

Dengan beban 150 gram**Tests of Normality**

	Krim	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Minggu2	Krim ekstrak 2,5%	.175	3	.	1.000	3	1.000
	krim ekstrak 5%	.219	3	.	.987	3	.780
	Krim ekstrak 10%	.358	3	.	.812	3	.144
	krim kontrol negatif	.282	3	.	.936	3	.510

a. Lilliefors Significance Correction

ANOVA

Minggu2

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2.454	3	.818	150.788	.000
Within Groups	.043	8	.005		
Total	2.497	11			

Multiple Comparisons

Dependent Variable: Minggu2

Tukey HSD

(I) Krim	(J) Krim	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Krim ekstrak 2,5%	krim ekstrak 5%	-.62333*	.06014	.000	-.8159	-.4307
	Krim ekstrak 10%	-.85333*	.06014	.000	-1.0459	-.6607
	krim kontrol negatif	.26333*	.06014	.010	.0707	.4559
krim ekstrak 5%	Krim ekstrak 2,5%	.62333*	.06014	.000	.4307	.8159
	Krim ekstrak 10%	-.23000*	.06014	.021	-.4226	-.0374
	krim kontrol negatif	.88667*	.06014	.000	.6941	1.0793
Krim ekstrak 10%	Krim ekstrak 2,5%	.85333*	.06014	.000	.6607	1.0459
	krim ekstrak 5%	.23000*	.06014	.021	.0374	.4226
	krim kontrol negatif	1.11667*	.06014	.000	.9241	1.3093
krim kontrol negatif	Krim ekstrak 2,5%	-.26333*	.06014	.010	-.4559	-.0707
	krim ekstrak 5%	-.88667*	.06014	.000	-1.0793	-.6941
	Krim ekstrak 10%	-1.11667*	.06014	.000	-1.3093	-.9241

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

Minggu2Tukey HSD^a

Krim	N	Subset for alpha = 0.05			
		1	2	3	4
krim kontrol negatif	3	5.5867			
Krim ekstrak 2,5%	3		5.8500		
krim ekstrak 5%	3			6.4733	
Krim ekstrak 10%	3				6.7033
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

7. Daya proteksi

Formula	Minggu ke-1	Minggu ke-2
FI	22.53	23.54
	23.98	24.23
	25.12	25.24
Rata-rata ± SD	23,87 ± 1,06	24,34 ± 0,70
F2	27.87	27.89
	28.76	28.78
	28.45	28.67
Rata-rata ± SD	28,36± 0,36	28,44 ± 0,40
F3	29.72	29.75
	29.43	29.42
	28.97	29.67
Rata-rata ± SD	29,37± 0,30	29,61± 0,14
F4	19.87	19.87
	18.76	19.86
	19.75	19.76
Rata-rata ± SD	19,46± 0,49	19,83 ± 0,5

Hasil uji statistika ANOVA pada proteksi krim minggu ke-1

Tests of Normality

	Krim	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Minggu1	Krim ekstrak 2,5%	.198	3	.	.995	3	.868
	krim ekstrak 5%	.246	3	.	.970	3	.669
	Krim ekstrak 10%	.226	3	.	.983	3	.751
	krim kontrol negatif	.350	3	.	.830	3	.188

a. Lilliefors Significance Correction

ANOVA

Minggu1

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	186.249	3	62.083	103.331	.000
Within Groups	4.807	8	.601		
Total	191.055	11			

Multiple Comparisons

Dependent Variable: Minggu1

Tukey HSD

(I) Krim	(J) Krim	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Krim ekstrak 2,5%	krim ekstrak 5%	-4.48333 [*]	.63289	.000	-6.5101	-2.4566
	Krim ekstrak 10%	-5.49667 [*]	.63289	.000	-7.5234	-3.4699
	krim kontrol negatif	4.41667 [*]	.63289	.001	2.3899	6.4434
krim ekstrak 5%	Krim ekstrak 2,5%	4.48333 [*]	.63289	.000	2.4566	6.5101
	Krim ekstrak 10%	-1.01333	.63289	.429	-3.0401	1.0134
	krim kontrol negatif	8.90000 [*]	.63289	.000	6.8733	10.9267
Krim ekstrak 10%	Krim ekstrak 2,5%	5.49667 [*]	.63289	.000	3.4699	7.5234
	krim ekstrak 5%	1.01333	.63289	.429	-1.0134	3.0401
	krim kontrol negatif	9.91333 [*]	.63289	.000	7.8866	11.9401
krim kontrol negatif	Krim ekstrak 2,5%	-4.41667 [*]	.63289	.001	-6.4434	-2.3899
	krim ekstrak 5%	-8.90000 [*]	.63289	.000	-10.9267	-6.8733
	Krim ekstrak 10%	-9.91333 [*]	.63289	.000	-11.9401	-7.8866

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

Minggu1

Tukey HSD^a

Krim	N	Subset for alpha = 0.05		
		1	2	3
krim kontrol negatif	3	19.4600	23.8767	28.3600 29.3733
Krim ekstrak 2,5%	3			
krim ekstrak 5%	3			
Krim ekstrak 10%	3			
Sig.		1.000	1.000	.429

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

Hasil uji statistika ANOVA pada proteksi krim minggu ke-2

Tests of Normality

	Krim	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Minggu2	Krim ekstrak 2,5%	.216	3	.	.988	3	.793
	krim ekstrak 5%	.344	3	.	.841	3	.217
	Krim ekstrak 10%	.296	3	.	.919	3	.448
	krim kontrol negatif	.356	3	.	.818	3	.157

a. Lilliefors Significance Correction

ANOVA

Minggu2

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	177.275	3	59.092	236.414	.000
Within Groups	2.000	8	.250		
Total	179.275	11			

Multiple Comparisons

Dependent Variable: Minggu2

Tukey HSD

(I) Krim	(J) Krim	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Krim ekstrak 2,5%	krim ekstrak 5%	-4.11000*	.40821	.000	-5.4172	-2.8028
	Krim ekstrak 10%	-5.27667*	.40821	.000	-6.5839	-3.9694
	krim kontrol negatif	4.50667*	.40821	.000	3.1994	5.8139
krim ekstrak 5%	Krim ekstrak 2,5%	4.11000*	.40821	.000	2.8028	5.4172
	Krim ekstrak 10%	-1.16667	.40821	.081	-2.4739	.1406
	krim kontrol negatif	8.61667*	.40821	.000	7.3094	9.9239
Krim ekstrak 10%	Krim ekstrak 2,5%	5.27667*	.40821	.000	3.9694	6.5839
	krim ekstrak 5%	1.16667	.40821	.081	-.1406	2.4739
	krim kontrol negatif	9.78333*	.40821	.000	8.4761	11.0906
krim kontrol negatif	Krim ekstrak 2,5%	-4.50667*	.40821	.000	-5.8139	-3.1994
	krim ekstrak 5%	-8.61667*	.40821	.000	-9.9239	-7.3094
	Krim ekstrak 10%	-9.78333*	.40821	.000	-11.0906	-8.4761

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

Minggu2

Tukey HSD^a

Krim	N	Subset for alpha = 0.05		
		1	2	3
krim kontrol negatif	3	19.8300	24.3367	28.4467
Krim ekstrak 2,5%	3			
krim ekstrak 5%	3			
Krim ekstrak 10%	3			29.6133
Sig.		1.000	1.000	.081

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

Lampiran 9. Stabilitas krim

Sediaan	Siklus 1		Siklus 2		Siklus 3		Siklus 4		Siklus 5		Siklus 6	
	Warna & bau	Tekstur	Warna & bau	Tekstur	Warna & bau	Tekstur	Warna & bau	Tekstur	Warna & bau	Tekstur	Warna & bau	Tekstur
Krim ekstrak 2,5%	Hijau, ekstrak	Semi padat	Hijau, ekstrak	Semi padat	Hijau, ekstrak	Semi padat	Hijau, ekstrak	Semi padat	Hijau, ekstrak	Semi padat	Hijau, ekstrak	Semi padat
Krim ekstrak 5%	Hijau, ekstrak	Semi padat	Hijau, ekstrak	Semi padat	Hijau, ekstrak	Semi padat	Hijau, ekstrak	Semi padat	Hijau, ekstrak	Semi padat	Hijau, ekstrak	Semi padat
Krim ekstrak 10%	Hijau, ekstrak	Semi padat	Hijau, ekstrak	Semi padat	Hijau, ekstrak	Semi padat	Hijau, ekstrak	Semi padat	Hijau, ekstrak	Semi padat	Hijau, ekstrak	Semi padat
Krim kontrol negatif	Putih, vaselin	Semi padat	Putih, vaselin	Semi padat	Putih, vaselin	Semi padat	Putih, vaselin	Semi padat	Putih, vaselin	Semi padat	Putih, vaselin	Semi padat

Lampiran 10. Hasil pH krim

Sediaan	Replikasi	pH					
		Siklus 1	Siklus 2	Siklus 3	Siklus 4	Siklus 5	Siklus 6
Krim kontrol negatif	1	5,62	5,43	5,56	5,54	5,67	5,53
	2	5,53	5,54	5,58	5,67	5,45	5,47
	3	5,48	5,43	5,45	5,58	5,43	5,48
	Rata-rata ± SD	5,54 ± 0,05	5,46 ± 0,05	5,53 ± 0,05	5,60 ± 0,05	5,51 ± 0,11	5,49 ± 0,03
Krim ekstrak 2,5%	1	5,10	5,56	5,55	5,47	5,56	5,54
	2	5,48	5,62	5,60	5,38	5,30	5,27
	3	5,20	5,43	5,48	5,42	5,39	5,37
	Rata-rata ± SD	5,26 ± 0,16	5,53 ± 0,08	5,54 ± 0,05	5,42 ± 0,04	5,41 ± 0,11	5,40 ± 0,11
Krim ekstrak 5%	1	5,43	5,70	5,65	5,75	5,68	5,86
	2	5,40	5,46	5,53	5,68	5,71	5,67
	3	5,46	5,79	5,68	5,76	5,69	5,58

	Rata-rata ± SD	5,43 ± 0,02	5.65 ± 0,14	5,62 ± 0,06	5,73 ± 0,03	5,70 ± 0,01	5,70 ± 0,12
Krim ekstrak 10%	1	5,58	5,67	5,64	5,46	5,68	5,58
	2	5,64	5,54	5,38	5,59	5,45	5,52
	3	5,44	5,47	5,57	5,64	5,65	5,78
	Rata-rata ± SD	5,53 ± 0,08	5,56 ± 0,08	5,53 ± 0,11	5,56±0,07	5,60 ± 0,10	5,68 ± 0,1

Lampiran 11. Hasil uji SPSS pH formula krim

1. Data statistik pH krim ekstrak daun muda pepaya 2,5%

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.286	3	.	.930	3	.490
Standardized Residual for Siklus2	.262	3	.	.957	3	.600
Standardized Residual for Siklus3	.211	3	.	.991	3	.817
Standardized Residual for Siklus4	.196	3	.	.996	3	.878
Standardized Residual for Siklus5	.247	3	.	.969	3	.664
Standardized Residual for Siklus6	.235	3	.	.978	3	.716

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: pH

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
siklus	Sphericity Assumed	.164	5	.033	2.071	.153
	Greenhouse-Geisser	.164	1.092	.150	2.071	.282
	Huynh-Feldt	.164	1.406	.117	2.071	.267
	Lower-bound	.164	1.000	.164	2.071	.287
Error(siklus)	Sphericity Assumed	.158	10	.016		
	Greenhouse-Geisser	.158	2.184	.073		
	Huynh-Feldt	.158	2.813	.056		
	Lower-bound	.158	2.000	.079		

2. Data statistika pH krim ekstrak etanol daun muda papaya 5%

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.175	3	.	1.000	3	1.000
Standardized Residual for Siklus2	.282	3	.	.936	3	.510
Standardized Residual for Siklus3	.314	3	.	.893	3	.363
Standardized Residual for Siklus4	.343	3	.	.842	3	.220
Standardized Residual for Siklus5	.253	3	.	.964	3	.637
Standardized Residual for Siklus6	.259	3	.	.959	3	.612

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: pH

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	.179	5	.036	4.395	.022
	Greenhouse-Geisser	.179	1.722	.104	4.395	.114
	Huynh-Feldt	.179	5.000	.036	4.395	.022
	Lower-bound	.179	1.000	.179	4.395	.171
Error(Siklus)	Sphericity Assumed	.081	10	.008		
	Greenhouse-Geisser	.081	3.444	.024		
	Huynh-Feldt	.081	10.000	.008		
	Lower-bound	.081	2.000	.041		

3. Data statistika pH krim ekstrak etanol daun muda papaya 10%

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.269	3	.	.949	3	.567
Standardized Residual for Siklus2	.245	3	.	.971	3	.672
Standardized Residual for Siklus3	.284	3	.	.934	3	.503
Standardized Residual for Siklus4	.280	3	.	.938	3	.520
Standardized Residual for Siklus5	.341	3	.	.846	3	.230
Standardized Residual for Siklus6	.301	3	.	.912	3	.424

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: pH

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	.017	5	.003	.248	.931
	Greenhouse-Geisser	.017	1.949	.009	.248	.787
	Huynh-Feldt	.017	5.000	.003	.248	.931
	Lower-bound	.017	1.000	.017	.248	.668
Error (Siklus)	Sphericity Assumed	.140	10	.014		
	Greenhouse-Geisser	.140	3.898	.036		
	Huynh-Feldt	.140	10.000	.014		
	Lower-bound	.140	2.000	.070		

4. Data statistika pH krim ekstrak etanol daun muda papaya kontrol negatif

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.241	3	.	.974	3	.688
Standardized Residual for Siklus2	.385	3	.	.750	3	.000
Standardized Residual for Siklus3	.333	3	.	.862	3	.274
Standardized Residual for Siklus4	.265	3	.	.953	3	.583
Standardized Residual for Siklus5	.358	3	.	.812	3	.144
Standardized Residual for Siklus6	.328	3	.	.871	3	.298

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: pH

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	.030	5	.006	1.166	.390
	Greenhouse-Geisser	.030	1.198	.025	1.166	.396
	Huynh-Feldt	.030	1.987	.015	1.166	.399
	Lower-bound	.030	1.000	.030	1.166	.393
Error (Siklus)	Sphericity Assumed	.051	10	.005		
	Greenhouse-Geisser	.051	2.396	.021		
	Huynh-Feldt	.051	3.974	.013		
	Lower-bound	.051	2.000	.026		

Lampiran 12. Hasil Homogenitas

Sediaan	Siklus 1	Siklus 2	Siklus 3	Siklus 4	Siklus 5	Siklus 6
F1	Homogen	Homogen	Homogen	Homogen	Homogen	Homogen
F2	Homogen	Homogen	Homogen	Homogen	Homogen	Homogen
F3	Homogen	Homogen	Homogen	Homogen	Homogen	Homogen
F4	Homogen	Homogen	Homogen	Homogen	Homogen	Homogen

Keterangan :

F1 : Krim ekstrak etanol daun muda papaya 2,5%

F2 : Krim ekstrak etanol daun muda papaya 5%

F3 : Krim ekstrak etanol daun muda papaya 10%

F4 : Kontrol negatif

Lampiran 13. Hasil Viskositas

Sediaan	Replikasi	Viskositas (cp)					
		Siklus 1	Siklus 2	Siklus 3	Siklus 4	Siklus 5	Siklus 6
F1	1	2410	2450	2430	2460	2450	2440
	2	2420	2440	2460	2420	2460	2420
	3	2430	2460	2440	2450	2420	2480
	Rata-rata	2420,00±	2446,67±	2443,33±	2443,33 ±	2443,33 ±	2436,66±
	± SD	8,16	4,71	12,47	17,00	17,00	12,47
F2	1	3200	2870	2840	3200	3210	2850
	2	2990	3100	2810	3220	3280	2860
	3	3330	3340	2780	2890	2750	3120
	Rata-rata	3173,33 ±	3103,33	2810,00	3103,33	3080,00	2943,33
	± SD	140,01	± 191,90	± 24,50	±151,07	±235,08	±124,99
F3	1	3840	3640	3450	3670	3790	3750
	2	3690	3590	3650	3580	3560	3580
	3	3750	3670	3610	3620	3670	3670
	Rata-rata	3760,00	3633,33	3570,00	3623,33 ±	3673,33 ±	3666,66 ±
	± SD	± 61,64	± 33	± 86,41	36,81	93,92	69,44
F4	1	2460	2290	2280	2360	2450	2540
	2	2370	2420	2410	2460	2410	2430
	3	2410	2390	2540	2420	2380	2410
	Rata-rata	2413,33	2366,66	2410,00	2413,33	2413,33	2460,00 ±
	± SD	± 36,81	± 55,57	± 106,14	± 41,09	±28,67	57,15

Keterangan :

F1 : Krim ekstrak etanol daun muda papaya 2,5%

F2 : Krim ekstrak etanol daun muda papaya 5%

F3 : Krim ekstrak etanol daun muda papaya 10%

F4 : Kontrol negatif

Lampiran 14. Hasil uji SPSS viskositas formula krim

1. Data statistik viskositas krim ekstrak daun muda pepaya 2,5%

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.175	3	.	1.000	3	1.000
Standardized Residual for Siklus2	.385	3	.	.750	3	.000
Standardized Residual for Siklus3	.253	3	.	.964	3	.637
Standardized Residual for Siklus4	.292	3	.	.923	3	.463
Standardized Residual for Siklus5	.292	3	.	.923	3	.463
Standardized Residual for Siklus6	.253	3	.	.964	3	.637

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: Viskositas

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus Sphericity Assumed	1444.444	5	288.889	1.000	.465
Greenhouse-Geisser	1444.444	1.633	884.444	1.000	.439
Huynh-Feldt	1444.444	5.000	288.889	1.000	.465
Lower-bound	1444.444	1.000	1444.444	1.000	.423
Error(Siklus) Sphericity Assumed	2888.889	10	288.889		
Greenhouse-Geisser	2888.889	3.266	884.444		
Huynh-Feldt	2888.889	10.000	288.889		
Lower-bound	2888.889	2.000	1444.444		

2. Data statistik viskositas krim ekstrak daun muda pepaya 5%

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.228	3	.	.982	3	.742
Standardized Residual for Siklus2	.176	3	.	1.000	3	.977
Standardized Residual for Siklus3	.175	3	.	1.000	3	1.000
Standardized Residual for Siklus4	.366	3	.	.795	3	.103
Standardized Residual for Siklus5	.341	3	.	.847	3	.233
Standardized Residual for Siklus6	.374	3	.	.778	3	.062

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: Viskositas

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus Sphericity Assumed	268577.778	5	53715.556	1.189	.380
Greenhouse-Geisser	268577.778	1.250	214807.553	1.189	.392
Huynh-Feldt	268577.778	2.336	114993.224	1.189	.393
Lower-bound	268577.778	1.000	268577.778	1.189	.389
Error (Siklus) Sphericity Assumed	451588.889	10	45158.889		
Greenhouse-Geisser	451588.889	2.501	180589.595		
Huynh-Feldt	451588.889	4.671	96675.278		
Lower-bound	451588.889	2.000	225794.444		

3. Data statistik viskositas krim ekstrak daun muda papaya 10%

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.219	3	.	.987	3	.780
Standardized Residual for Siklus2	.232	3	.	.980	3	.726
Standardized Residual for Siklus3	.314	3	.	.893	3	.363
Standardized Residual for Siklus4	.196	3	.	.996	3	.878
Standardized Residual for Siklus5	.178	3	.	.999	3	.952
Standardized Residual for Siklus6	.182	3	.	.999	3	.935

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: Viskositas

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus					
Sphericity Assumed	60577.778	5	12115.556	1.984	.167
Greenhouse-Geisser	60577.778	1.041	58168.066	1.984	.292
Huynh-Feldt	60577.778	1.173	51649.263	1.984	.286
Lower-bound	60577.778	1.000	60577.778	1.984	.294
Error (Siklus)					
Sphericity Assumed	61055.556	10	6105.556		
Greenhouse-Geisser	61055.556	2.083	29313.419		
Huynh-Feldt	61055.556	2.346	26028.311		
Lower-bound	61055.556	2.000	30527.778		

4. Data statistik viskositas krim kontrol negatif

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.196	3	.	.996	3	.878
Standardized Residual for Siklus2	.301	3	.	.912	3	.424
Standardized Residual for Siklus3	.175	3	.	1.000	3	1.000
Standardized Residual for Siklus4	.219	3	.	.987	3	.780
Standardized Residual for Siklus5	.204	3	.	.993	3	.843
Standardized Residual for Siklus6	.333	3	.	.862	3	.274

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: Viskositas

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus					
Sphericity Assumed	13094.444	5	2618.889	.423	.823
Greenhouse-Geisser	13094.444	1.299	10084.243	.423	.618
Huynh-Feldt	13094.444	2.702	4846.005	.423	.727
Lower-bound	13094.444	1.000	13094.444	.423	.582
Error (Siklus)					
Sphericity Assumed	61922.222	10	6192.222		
Greenhouse-Geisser	61922.222	2.597	23843.652		
Huynh-Feldt	61922.222	5.404	11458.120		
Lower-bound	61922.222	2.000	30961.111		

Lampiran 15. Daya Lekat

		Daya lekat (detik)					
Sediaan	Replikasi	Siklus 1	Siklus 2	Siklus 3	Siklus 4	Siklus 5	Siklus 6
F1	1	2,15	1,98	1,97	1,87	1,79	1,86
	2	1,70	2,30	1,89	2,20	1,86	1,78
	3	1,65	1,87	1,96	1,78	1,75	1,89
	Rata-rata ± SD	1,83 ± 0,22	2,05 ± 0,18	1,94 ± 0,03	1,95 ± 0,18	1,80 ± 0,04	1,84 ± 0,04
F2	1	1,96	2,20	1,89	2,21	1,89	2,19
	2	1,87	2,15	1,98	1,97	1,98	2,17
	3	1,79	1,97	2,34	1,93	1,95	1,94
	Rata-rata ± SD	1,87 ± 0,07	2,11 ± 0,10	2,07 ± 0,12	2,03 ± 0,12	1,94 ± 0,04	2,10 ± 0,11
F3	1	1,99	2,39	2,20	1,89	1,94	1,97
	2	2,45	2,20	1,97	1,97	2,21	1,85
	3	2,49	2,40	2,37	2,28	1,86	1,94
	Rata-rata ± SD	2,31 ± 0,23	2,33 ± 0,10	2,18 ± 0,16	2,05 ± 0,17	2,00 ± 0,15	1,92 ± 0,05
F4	1	2,32	1,87	2,07	1,89	1,85	1,96
	2	2,10	1,96	2,15	1,97	2,31	2,22
	3	1,98	2,11	1,87	1,84	1,93	1,95
	Rata-rata ± SD	2,13 ± 0,14	1,98 ± 0,10	2,03 ± 0,12	1,90 ± 0,05	2,03 ± 0,20	2,04 ± 0,12

Lampiran 16. Hasil uji SPSS daya lekat formula krim

1. Data statistik daya lekat krim ekstrak daun muda papaya 2,5%

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.353	3	.	.824	3	.174
Standardized Residual for Siklus2	.290	3	.	.926	3	.475
Standardized Residual for Siklus3	.343	3	.	.842	3	.220
Standardized Residual for Siklus4	.308	3	.	.902	3	.391
Standardized Residual for Siklus5	.238	3	.	.976	3	.702
Standardized Residual for Siklus6	.282	3	.	.936	3	.510

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: DayaLekat

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus Sphericity Assumed	.133	5	.027	.890	.523
Greenhouse-Geisser	.133	1.631	.081	.890	.469
Huynh-Feldt	.133	5.000	.027	.890	.523
Lower-bound	.133	1.000	.133	.890	.445
Error (Siklus) Sphericity Assumed	.298	10	.030		
Greenhouse-Geisser	.298	3.262	.091		
Huynh-Feldt	.298	10.000	.030		
Lower-bound	.298	2.000	.149		

2. Data statistik daya lekat krim ekstrak daun muda papaya 5%

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.182	3	.	.999	3	.935
Standardized Residual for Siklus2	.307	3	.	.904	3	.398
Standardized Residual for Siklus3	.314	3	.	.893	3	.363
Standardized Residual for Siklus4	.337	3	.	.855	3	.253
Standardized Residual for Siklus5	.253	3	.	.964	3	.637
Standardized Residual for Siklus6	.359	3	.	.810	3	.138

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: DayaLekat

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus Sphericity Assumed	.134	5	.027	1.158	.393
Greenhouse-Geisser	.134	1.210	.111	1.158	.397
Huynh-Feldt	.134	2.060	.065	1.158	.401
Lower-bound	.134	1.000	.134	1.158	.394
Error (Siklus) Sphericity Assumed	.231	10	.023		
Greenhouse-Geisser	.231	2.419	.096		
Huynh-Feldt	.231	4.121	.056		
Lower-bound	.231	2.000	.116		

3. Data statistik daya lekat krim ekstrak daun muda papaya 10%

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	Df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.359	3	.	.810	3	.138
Standardized Residual for Siklus2	.369	3	.	.787	3	.085
Standardized Residual for Siklus3	.206	3	.	.993	3	.835
Standardized Residual for Siklus4	.312	3	.	.896	3	.373
Standardized Residual for Siklus5	.302	3	.	.911	3	.420
Standardized Residual for Siklus6	.292	3	.	.923	3	.463

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: DayaLekat

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus					
Sphericity Assumed	.426	5	.085	2.516	.101
Greenhouse-Geisser	.426	1.945	.219	2.516	.199
Huynh-Feldt	.426	5.000	.085	2.516	.101
Lower-bound	.426	1.000	.426	2.516	.254
Error (Siklus)					
Sphericity Assumed	.339	10	.034		
Greenhouse-Geisser	.339	3.889	.087		
Huynh-Feldt	.339	10.000	.034		
Lower-bound	.339	2.000	.169		

4. Data statistika daya lekat krim kontrol negatif

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	Df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.243	3	.	.972	3	.679
Standardized Residual for Siklus2	.232	3	.	.980	3	.726
Standardized Residual for Siklus3	.276	3	.	.942	3	.537
Standardized Residual for Siklus4	.227	3	.	.983	3	.747
Standardized Residual for Siklus5	.325	3	.	.876	3	.312
Standardized Residual for Siklus6	.374	3	.	.778	3	.062

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: DayaLekat

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus					
Sphericity Assumed	.089	5	.018	.837	.553
Greenhouse-Geisser	.089	1.905	.047	.837	.494
Huynh-Feldt	.089	5.000	.018	.837	.553
Lower-bound	.089	1.000	.089	.837	.457
Error (Siklus)					
Sphericity Assumed	.212	10	.021		
Greenhouse-Geisser	.212	3.809	.056		
Huynh-Feldt	.212	10.000	.021		
Lower-bound	.212	2.000	.106		

Lampiran 17. Daya Proteksi

Sediaan	Replikasi	Daya proteksi (detik)					
		Siklus1	Siklus 2	Siklus 3	Siklus 4	Siklus 5	Siklus 6
F1	1	28,42	27,86	31,24	30,67	31,24	32,56
	2	27,67	28,97	30,42	32,45	32,32	32,34
	3	30,97	26,75	28,93	29,97	28,78	29,75
	Rata-rata	29,02	27,86	30,20	31,03	30,78	31,55
	± SD	±1,41	±0,91	±0,95	±1,04	±1,48	±1,27
F2	1	22,45	23,23	23,43	22,56	24,35	25,12
	2	24,34	22,12	23,45	23,47	23,12	24,56
	3	23,33	22,17	24,12	23,12	22,43	22,76
	Rata-rata	23,37	22,50	23,67	23,05	23,3	24,15
	± SD	±0,77	±0,51	±0,32	±0,37	±0,79	±1,01
F3	1	21,45	22,43	22,56	22,87	22,45	23,45
	2	22,34	23,41	21,43	23,45	23,67	24,12
	3	21,65	20,12	24,32	22,43	24,32	23,12
	Rata-rata	21,81	22,00	22,77	23,00	23,48	23,56
	± SD	±0,38	±1,38	±1,20	± 0,41	±0,77	±0,41
F4	1	19,57	23,43	22,43	21,54	22,32	23,45
	2	20,56	22,13	23,65	19,99	19,86	19,12
	3	21,54	19,87	21,34	23,12	23,47	21,43
	Rata-rata	20,55	21,81	22,47	21,55	21,88	21,33
	± SD	±0,80	±1,47	±0,94	±1,27	±1,50	±1,76

Lampiran 18. Hasil uji SPSS daya proteksi formula krim

1. Data statistik daya proteksi krim ekstrak daun muda papaya 2,5%

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.302	3	.	.910	3	.417
Standardized Residual for Siklus2	.175	3	.	1.000	3	1.000
Standardized Residual for Siklus3	.242	3	.	.973	3	.683
Standardized Residual for Siklus4	.278	3	.	.941	3	.530
Standardized Residual for Siklus5	.267	3	.	.952	3	.577
Standardized Residual for Siklus6	.360	3	.	.808	3	.135

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: Dayaproteksi

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	28.856	5	5.771	3.112	.060
	Greenhouse-Geisser	28.856	1.288	22.412	3.112	.197
	Huynh-Feldt	28.856	2.614	11.039	3.112	.125
	Lower-bound	28.856	1.000	28.856	3.112	.220
Error (Siklus)	Sphericity Assumed	18.546	10	1.855		
	Greenhouse-Geisser	18.546	2.575	7.202		
	Huynh-Feldt	18.546	5.228	3.547		
	Lower-bound	18.546	2.000	9.273		

2. Data statistik daya proteksi krim ekstrak daun muda papaya 5%

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.185	3	.	.998	3	.924
Standardized Residual for Siklus2	.371	3	.	.784	3	.076
Standardized Residual for Siklus3	.376	3	.	.772	3	.049
Standardized Residual for Siklus4	.227	3	.	.983	3	.747
Standardized Residual for Siklus5	.240	3	.	.974	3	.693
Standardized Residual for Siklus6	.298	3	.	.916	3	.437

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: Dayaproteksi

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	4.616	5	.923	1.297	.339
	Greenhouse-Geisser	4.616	1.557	2.964	1.297	.371
	Huynh-Feldt	4.616	5.000	.923	1.297	.339
	Lower-bound	4.616	1.000	4.616	1.297	.373
Error (Siklus)	Sphericity Assumed	7.121	10	.712		
	Greenhouse-Geisser	7.121	3.115	2.286		
	Huynh-Feldt	7.121	10.000	.712		
	Lower-bound	7.121	2.000	3.560		

3. Data statistika daya proteksi krim ekstrak daun muda papaya 10%

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.303	3	.	.908	3	.412
Standardized Residual for Siklus2	.270	3	.	.948	3	.562
Standardized Residual for Siklus3	.224	3	.	.984	3	.761
Standardized Residual for Siklus4	.203	3	.	.994	3	.849
Standardized Residual for Siklus5	.246	3	.	.970	3	.667
Standardized Residual for Siklus6	.255	3	.	.963	3	.630

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: Dayaproteksi

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	8.047	5	1.609	1.310	.334
	Greenhouse-Geisser	8.047	1.192	6.750	1.310	.371
	Huynh-Feldt	8.047	1.952	4.122	1.310	.366
	Lower-bound	8.047	1.000	8.047	1.310	.371
Error (Siklus)	Sphericity Assumed	12.291	10	1.229		
	Greenhouse-Geisser	12.291	2.385	5.154		
	Huynh-Feldt	12.291	3.904	3.148		
	Lower-bound	12.291	2.000	6.145		

4. Data statistik daya proteksi krim kontrol negatif

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus2	.237	3	.	.976	3	.705
Standardized Residual for Siklus3	.182	3	.	.999	3	.938
Standardized Residual for Siklus4	.175	3	.	1.000	3	.989
Standardized Residual for Siklus5	.260	3	.	.958	3	.606
Standardized Residual for Siklus6	.184	3	.	.999	3	.926

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: Dayaproteksi

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	6.148	5	1.230	.451	.804
	Greenhouse-Geisser	6.148	1.858	3.308	.451	.655
	Huynh-Feldt	6.148	5.000	1.230	.451	.804
	Lower-bound	6.148	1.000	6.148	.451	.571
Error (Siklus)	Sphericity Assumed	27.252	10	2.725		
	Greenhouse-Geisser	27.252	3.716	7.333		
	Huynh-Feldt	27.252	10.000	2.725		
	Lower-bound	27.252	2.000	13.626		

Lampiran 19. Daya Sebar

Sediaan	Replikasi	Siklus 1				Siklus 2			
		Beban							
		0	50	100	150	0	50	100	150
F1	1	4,56	4,98	5,78	6,43	4,57	5,43	5,78	6,45
	2	4,76	4,98	5,67	6,23	4,57	5,21	5,46	5,58
	3	4,82	5,54	5,87	5,98	4,87	5,55	5,89	6,78
	Rata-rata	4,71	5,16	5,77	6,21	4,67	5,40	5,71	6,27
	± SD	±0,11	±0,26	±0,08	±0,18	±0,14	± 0,14	±0,18	±0,50
F2	1	4,58	5,54	5,96	6,43	4,59	5,55	5,98	6,43
	2	4,54	5,43	5,51	6,32	4,57	5,65	5,56	6,32
	3	4,50	5,51	5,64	6,34	4,67	5,65	5,68	6,34
	Rata-rata	4,54	5,49	5,70	6,36	4,61	5,61	5,74	6,49
	± SD	±0,03	±0,05	±0,19	±0,05	±0,04	±0,05	±0,18	±0,04
F3	1	4,19	5,21	5,76	6,32	4,20	5,34	5,65	6,43
	2	4,35	5,45	5,87	6,67	4,41	5,56	5,76	6,87
	3	4,26	5,34	5,67	6,45	4,25	5,43	5,64	6,78
	Rata-rata	4,26	5,33	5,76	6,48	4,28	5,44	5,68	6,70
	± SD	±0,06	±0,10	±0,08	±0,14	±0,09	±0,09	±0,05	±0,19
F4	1	4,54	5,26	5,76	6,32	4,62	5,54	5,75	6,73
	2	4,55	5,55	5,87	6,67	4,41	5,46	5,66	6,87
	3	4,66	5,67	5,97	6,75	4,65	5,63	5,84	6,98
	Rata-rata	4,58	5,49	5,86	6,58	4,56	5,54	5,75	6,86
	± SD	±0,05	±0,17	±0,08	±0,18	±0,10	±0,07	±0,07	±0,10

Keterangan :

F1 : Krim ekstrak etanol daun muda papaya 2,5%

F2 : Krim ekstrak etanol daun muda papaya 5%

F3 : Krim ekstrak etanol daun muda papaya 10%

F4 : Kontrol negatif

Sediaan	Replikasi	Siklus 3				Siklus 4			
		Beban							
		0	50	100	150	0	50	100	150
F1	1	4,58	5,35	5,67	6,43	4,67	5,65	5,87	6,78
	2	4,65	5,43	5,77	6,54	4,34	5,34	5,42	6,32
	3	4,78	5,56	5,87	6,65	4,65	5,56	5,76	6,67
	Rata-rata	4,67	5,45	5,77	6,54	4,55	5,51	5,68	6,59
	± SD	±0,08	±0,08	±0,08	±0,09	±0,15	± 0,13	±0,19	±0,19
F2	1	4,58	5,56	5,78	6,54	4,60	5,57	5,87	6,67
	2	4,54	5,50	5,67	6,32	4,57	5,60	5,76	6,45
	3	4,65	5,45	5,54	6,23	4,54	5,43	5,57	6,34
	Rata-rata	4,59	5,50	5,66	6,36	4,57	5,53	5,73	6,48
	± SD	±0,04	±0,04	±0,10	±0,13	±0,02	±0,07	±0,12	±0,13
F3	1	4,12	5,45	5,67	6,32	4,23	5,34	5,65	6,43
	2	4,35	5,54	5,87	6,65	4,18	5,12	5,54	6,37
	3	4,14	5,48	5,72	6,45	4,26	5,47	5,79	6,65
	Rata-rata	4,20	5,49	5,75	6,47	4,22	5,31	5,66	6,48
	± SD	±0,10	±0,04	±0,03	±0,13	±0,03	±0,14	±0,10	±0,12
F4	1	4,52	5,45	5,67	6,62	4,53	5,34	5,65	6,43
	2	4,45	5,34	5,47	6,55	4,48	5,42	5,54	6,37
	3	4,34	5,28	5,32	6,45	4,56	5,47	5,79	6,65
	Rata-rata	4,43	5,35	5,48	6,54	4,52	5,41	5,66	6,48
	± SD	±0,07	±0,07	±0,07	±0,07	±0,03	±0,05	±0,10	±0,12

Keterangan :

F1 : Krim ekstrak etanol daun muda papaya 2,5%

F2 : Krim ekstrak etanol daun muda papaya 5%

F3 : Krim ekstrak etanol daun muda papaya 10%

F4 : Kontrol negatif

Sediaan	Replikasi	Siklus 5				Siklus 6			
		Beban							
		0	50	100	150	0	50	100	150
F1	1	4,67	5,67	5,86	6,77	4,57	5,65	5,97	6,75
	2	4,43	5,21	5,45	6,56	4,67	5,68	5,87	6,65
	3	4,56	5,45	5,76	6,67	4,43	5,45	5,65	6,55
	Rata-rata	4,55	5,44	5,69	6,67	4,55	5,59	5,83	6,65
	± SD	±0,10	±0,18	±0,17	±0,08	±0,10	±0,10	±0,13	±0,08
F2	1	4,57	5,59	5,77	6,58	4,63	5,59	5,78	6,67
	2	4,55	5,57	5,69	6,23	4,58	5,57	5,67	6,54
	3	4,66	5,65	5,87	6,78	4,65	5,65	5,89	6,87
	Rata-rata	4,60	5,60	5,77	6,53	4,62	5,60	5,78	6,70
	± SD	±0,05	±0,03	±0,07	±0,22	±0,03	±0,03	±0,09	±0,13
F3	1	4,34	5,46	5,64	6,65	4,35	5,53	5,76	6,76
	2	4,24	5,32	5,57	6,38	4,29	5,43	5,67	6,54
	3	4,45	5,53	5,87	6,74	4,34	5,21	5,46	6,34
	Rata-rata	4,34	5,43	5,69	6,59	4,32	5,39	5,63	6,54
	± SD	±0,08	±0,09	±0,12	±0,05	±0,02	±0,13	±0,12	±0,17
F4	1	4,54	5,46	5,64	6,55	4,55	5,53	5,76	6,76
	2	4,54	5,52	5,55	6,38	4,59	5,63	5,87	6,84
	3	4,45	5,53	5,87	6,74	4,44	5,21	5,46	6,34
	Rata-rata	4,51	5,53	5,68	6,55	4,53	5,45	5,69	6,64
	± SD	±0,04	±0,03	±0,13	±0,14	±0,06	±0,18	±0,17	±0,22

Keterangan :

F1 : Krim ekstrak etanol daun muda papaya 2,5%

F2 : Krim ekstrak etanol daun muda papaya 5%

F3 : Krim ekstrak etanol daun muda papaya 10%

F4 : Kontrol negatif

Lampiran 20. Hasil uji SPSS daya sebar formula krim

Krim ekstrak daun muda papaya 2,5%

1. Data statistik daya sebar krim ekstrak daun muda muda papaya 2,5% tanpa beban

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.301	3	.	.912	3	.424
Standardized Residual for Siklus2	.385	3	.	.750	3	.000
Standardized Residual for Siklus3	.245	3	.	.971	3	.672
Standardized Residual for Siklus4	.366	3	.	.795	3	.103
Standardized Residual for Siklus5	.189	3	.	.998	3	.908
Standardized Residual for Siklus6	.211	3	.	.991	3	.817

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: Dayasebar

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	.080	5	.016	.790	.580
	Greenhouse-Geisser	.080	1.990	.040	.790	.513
	Huynh-Feldt	.080	5.000	.016	.790	.580
	Lower-bound	.080	1.000	.080	.790	.468
Error (Siklus)	Sphericity Assumed	.202	10	.020		
	Greenhouse-Geisser	.202	3.980	.051		
	Huynh-Feldt	.202	10.000	.020		
	Lower-bound	.202	2.000	.101		

2. Data statistik daya sebar krim ekstrak daun muda muda papaya 2,5% beban 50 gram

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.385	3	.	.750	3	.000
Standardized Residual for Siklus2	.243	3	.	.972	3	.679
Standardized Residual for Siklus3	.229	3	.	.981	3	.739
Standardized Residual for Siklus4	.274	3	.	.945	3	.546
Standardized Residual for Siklus5	.178	3	.	.999	3	.952
Standardized Residual for Siklus6	.341	3	.	.846	3	.230

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: Dayasebar

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus Sphericity Assumed	.315	5	.063	1.855	.190
Greenhouse-Geisser	.315	1.774	.178	1.855	.277
Huynh-Feldt	.315	5.000	.063	1.855	.190
Lower-bound	.315	1.000	.315	1.855	.306
Error (Siklus) Sphericity Assumed	.340	10	.034		
Greenhouse-Geisser	.340	3.547	.096		
Huynh-Feldt	.340	10.000	.034		
Lower-bound	.340	2.000	.170		

3. Data statistik daya sebar krim ekstrak daun muda muda papaya 2,5% beban 100 gram

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.193	3	.	.997	3	.890
Standardized Residual for Siklus2	.290	3	.	.926	3	.475
Standardized Residual for Siklus3	.175	3	.	1.000	3	1.000
Standardized Residual for Siklus4	.295	3	.	.920	3	.452
Standardized Residual for Siklus5	.295	3	.	.920	3	.451
Standardized Residual for Siklus6	.263	3	.	.955	3	.593

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: Dayasebar

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus Sphericity Assumed	.050	5	.010	.441	.810
Greenhouse-Geisser	.050	1.903	.026	.441	.664
Huynh-Feldt	.050	5.000	.010	.441	.810
Lower-bound	.050	1.000	.050	.441	.575
Error (Siklus) Sphericity Assumed	.227	10	.023		
Greenhouse-Geisser	.227	3.805	.060		
Huynh-Feldt	.227	10.000	.023		
Lower-bound	.227	2.000	.113		

4. Data statistika daya sebar krim ekstrak daun muda muda papaya 2,5% beban 150 gram

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.196	3	.	.996	3	.878
Standardized Residual for Siklus2	.281	3	.	.937	3	.515
Standardized Residual for Siklus3	.175	3	.	1.000	3	1.000
Standardized Residual for Siklus4	.297	3	.	.917	3	.441
Standardized Residual for Siklus5	.179	3	.	.999	3	.948
Standardized Residual for Siklus6	.175	3	.	1.000	3	1.000

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: Dayasebar

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus Sphericity Assumed	.583	5	.117	1.517	.268
Greenhouse-Geisser	.583	1.301	.448	1.517	.338
Huynh-Feldt	.583	2.719	.214	1.517	.309
Lower-bound	.583	1.000	.583	1.517	.343
Error Sphericity Assumed	.768	10	.077		
(Siklus) Greenhouse-Geisser	.768	2.601	.295		
Huynh-Feldt	.768	5.437	.141		
Lower-bound	.768	2.000	.384		

Krim ekstrak daun muda papaya 5%

1. Data statistik daya sebar krim ekstrak daun muda muda papaya 5% tanpa beban

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.175	3	.	1.000	3	1.000
Standardized Residual for Siklus2	.314	3	.	.893	3	.363
Standardized Residual for Siklus3	.238	3	.	.976	3	.702
Standardized Residual for Siklus4	.175	3	.	1.000	3	1.000
Standardized Residual for Siklus5	.321	3	.	.881	3	.328
Standardized Residual for Siklus6	.276	3	.	.942	3	.537

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: DayaSebar

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	.012	5	.002	1.423	.296
	Greenhouse-Geisser	.012	1.038	.012	1.423	.355
	Huynh-Feldt	.012	1.157	.011	1.423	.354
	Lower-bound	.012	1.000	.012	1.423	.355
Error (Siklus)	Sphericity Assumed	.018	10	.002		
	Greenhouse-Geisser	.018	2.076	.008		
	Huynh-Feldt	.018	2.315	.008		
	Lower-bound	.018	2.000	.009		

2. Data statistik daya sebar krim ekstrak daun muda muda papaya 5% beban 50 gram

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.282	3	.	.936	3	.510
Standardized Residual for Siklus2	.385	3	.	.750	3	.000
Standardized Residual for Siklus3	.191	3	.	.997	3	.900
Standardized Residual for Siklus4	.324	3	.	.878	3	.317
Standardized Residual for Siklus5	.292	3	.	.923	3	.463
Standardized Residual for Siklus6	.292	3	.	.923	3	.463

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: DayaSebar

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	.046	5	.009	2.188	.137
	Greenhouse-Geisser	.046	1.755	.026	2.188	.239
	Huynh-Feldt	.046	5.000	.009	2.188	.137
	Lower-bound	.046	1.000	.046	2.188	.277
Error (Siklus)	Sphericity Assumed	.042	10	.004		
	Greenhouse-Geisser	.042	3.510	.012		
	Huynh-Feldt	.042	10.000	.004		
	Lower-bound	.042	2.000	.021		

3. Data statistik daya sebar krim ekstrak daun muda muda papaya 5% beban 100 gram

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.274	3	.	.944	3	.543
Standardized Residual for Siklus2	.276	3	.	.942	3	.537
Standardized Residual for Siklus3	.189	3	.	.998	3	.908
Standardized Residual for Siklus4	.236	3	.	.977	3	.708
Standardized Residual for Siklus5	.196	3	.	.996	3	.878
Standardized Residual for Siklus6	.175	3	.	1.000	3	1.000

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: DayaSebar

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus Sphericity Assumed	.030	5	.006	.351	.870
Greenhouse-Geisser	.030	1.880	.016	.351	.713
Huynh-Feldt	.030	5.000	.006	.351	.870
Lower-bound	.030	1.000	.030	.351	.613
Error Sphericity Assumed	.169	10	.017		
(Siklus) Greenhouse-Geisser	.169	3.761	.045		
Huynh-Feldt	.169	10.000	.017		
Lower-bound	.169	2.000	.085		

4. Data statistik daya sebar krim ekstrak daun muda muda papaya 5% beban 150 gram

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.321	3	.	.881	3	.328
Standardized Residual for Siklus2	.253	3	.	.964	3	.637
Standardized Residual for Siklus3	.274	3	.	.945	3	.546
Standardized Residual for Siklus4	.253	3	.	.964	3	.637
Standardized Residual for Siklus5	.238	3	.	.976	3	.702
Standardized Residual for Siklus6	.222	3	.	.985	3	.767

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: DayaSebar

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	.225	5	.045	2.037	.158
	Greenhouse-Geisser	.225	1.210	.186	2.037	.280
	Huynh-Feldt	.225	2.060	.109	2.037	.243
	Lower-bound	.225	1.000	.225	2.037	.290
Error (Siklus)	Sphericity Assumed	.221	10	.022		
	Greenhouse-Geisser	.221	2.419	.091		
	Huynh-Feldt	.221	4.121	.054		
	Lower-bound	.221	2.000	.110		

Krim ekstrak daun muda papaya 10%

**1. Data statistik daya sebar krim ekstrak daun muda muda papaya
10% tanpa beban**

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.200	3	.	.995	3	.862
Standardized Residual for Siklus2	.298	3	.	.916	3	.439
Standardized Residual for Siklus3	.357	3	.	.815	3	.150
Standardized Residual for Siklus4	.232	3	.	.980	3	.726
Standardized Residual for Siklus5	.179	3	.	.999	3	.948
Standardized Residual for Siklus6	.328	3	.	.871	3	.298

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: DayaSebar

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	.046	5	.009	1.103	.417
	Greenhouse-Geisser	.046	1.104	.042	1.103	.406
	Huynh-Feldt	.046	1.462	.031	1.103	.411
	Lower-bound	.046	1.000	.046	1.103	.404
Error (Siklus)	Sphericity Assumed	.083	10	.008		
	Greenhouse-Geisser	.083	2.207	.038		
	Huynh-Feldt	.083	2.925	.029		
	Lower-bound	.083	2.000	.042		

2. Data statistik daya sebar krim ekstrak daun muda muda papaya 10%beban 50 gram

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.189	3	.	.998	3	.908
Standardized Residual for Siklus2	.215	3	.	.989	3	.800
Standardized Residual for Siklus3	.253	3	.	.964	3	.637
Standardized Residual for Siklus4	.234	3	.	.978	3	.719
Standardized Residual for Siklus5	.253	3	.	.964	3	.637
Standardized Residual for Siklus6	.263	3	.	.955	3	.593

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: DayaSebar

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	.072	5	.014	.737	.613
	Greenhouse-Geisser	.072	1.838	.039	.737	.527
	Huynh-Feldt	.072	5.000	.014	.737	.613
	Lower-bound	.072	1.000	.072	.737	.481
Error (Siklus)	Sphericity Assumed	.195	10	.020		
	Greenhouse-Geisser	.195	3.676	.053		
	Huynh-Feldt	.195	10.000	.020		
	Lower-bound	.195	2.000	.098		

3. Data statistik daya sebar krim ekstrak daun muda muda papaya 10%beban 100 gram

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.193	3	.	.997	3	.890
Standardized Residual for Siklus2	.358	3	.	.812	3	.144
Standardized Residual for Siklus3	.292	3	.	.923	3	.463
Standardized Residual for Siklus4	.198	3	.	.995	3	.868
Standardized Residual for Siklus5	.300	3	.	.913	3	.430
Standardized Residual for Siklus6	.269	3	.	.949	3	.567

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: DayaSebar

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
siklus	Sphericity Assumed	.042	5	.008	.479	.785
	Greenhouse-Geisser	.042	1.463	.029	.479	.609
	Huynh-Feldt	.042	4.445	.010	.479	.767
	Lower-bound	.042	1.000	.042	.479	.560
Error (siklus)	Sphericity Assumed	.176	10	.018		
	Greenhouse-Geisser	.176	2.926	.060		
	Huynh-Feldt	.176	8.891	.020		
	Lower-bound	.176	2.000	.088		

4. Data statistik daya sebar krim ekstrak daun muda muda papaya 10%beban 150 gram

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.234	3	.	.978	3	.719
Standardized Residual for Siklus2	.312	3	.	.896	3	.372
Standardized Residual for Siklus3	.222	3	.	.985	3	.767
Standardized Residual for Siklus4	.308	3	.	.902	3	.391
Standardized Residual for Siklus5	.292	3	.	.923	3	.463
Standardized Residual for Siklus6	.179	3	.	.999	3	.948

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: DayaSebar

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus Sphericity Assumed	.112	5	.022	.564	.726
Greenhouse-Geisser	.112	1.880	.059	.564	.601
Huynh-Feldt	.112	5.000	.022	.564	.726
Lower-bound	.112	1.000	.112	.564	.531
Error (Siklus) Sphericity Assumed	.396	10	.040		
Greenhouse-Geisser	.396	3.759	.105		
Huynh-Feldt	.396	10.000	.040		
Lower-bound	.396	2.000	.198		

Kontrol negatif

1. Data statistika daya sebar kontrol negatif tanpa beban

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.358	3	.	.812	3	.144
Standardized Residual for Siklus2	.343	3	.	.842	3	.220
Standardized Residual for Siklus3	.225	3	.	.984	3	.756
Standardized Residual for Siklus4	.232	3	.	.980	3	.726
Standardized Residual for Siklus5	.385	3	.	.750	3	.000
Standardized Residual for Siklus6	.285	3	.	.932	3	.497

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: Dayasebar

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus Sphericity Assumed	.038	5	.008	1.035	.448
Greenhouse-Geisser	.038	1.432	.026	1.035	.426
Huynh-Feldt	.038	4.043	.009	1.035	.446
Lower-bound	.038	1.000	.038	1.035	.416
Error (Siklus) Sphericity Assumed	.073	10	.007		
Greenhouse-Geisser	.073	2.864	.026		
Huynh-Feldt	.073	8.086	.009		
Lower-bound	.073	2.000	.037		

2. Data statistik daya sebar krim kontrol negatif beban 50 gram

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.273	3	.	.946	3	.551
Standardized Residual for Siklus2	.182	3	.	.999	3	.935
Standardized Residual for Siklus3	.243	3	.	.972	3	.679
Standardized Residual for Siklus4	.227	3	.	.983	3	.747
Standardized Residual for Siklus5	.337	3	.	.855	3	.253
Standardized Residual for Siklus6	.298	3	.	.916	3	.439

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: Dayasebar

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus Sphericity Assumed	.069	5	.014	.642	.674
Greenhouse-Geisser	.069	1.490	.047	.642	.544
Huynh-Feldt	.069	4.846	.014	.642	.670
Lower-bound	.069	1.000	.069	.642	.507
Error (Siklus) Sphericity Assumed	.216	10	.022		
Greenhouse-Geisser	.216	2.980	.073		
Huynh-Feldt	.216	9.692	.022		
Lower-bound	.216	2.000	.108		

3. Data statistik daya sebar krim kontrol negatif beban 100 gram

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.179	3	.	.999	3	.948
Standardized Residual for Siklus2	.175	3	.	1.000	3	1.000
Standardized Residual for Siklus3	.204	3	.	.993	3	.843
Standardized Residual for Siklus4	.198	3	.	.995	3	.868
Standardized Residual for Siklus5	.278	3	.	.940	3	.527
Standardized Residual for Siklus6	.284	3	.	.933	3	.501

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: Dayasebar

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus Sphericity Assumed	.231	5	.046	1.732	.215
Greenhouse-Geisser	.231	1.334	.173	1.732	.308
Huynh-Feldt	.231	3.007	.077	1.732	.259
Lower-bound	.231	1.000	.231	1.732	.319
Error(Siklus) Sphericity Assumed	.267	10	.027		
Greenhouse-Geisser	.267	2.668	.100		
Huynh-Feldt	.267	6.015	.044		
Lower-bound	.267	2.000	.134		

4. Data statistik daya sebar krim kontrol negatif beban 150 gram

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Siklus1	.320	3	.	.884	3	.336
Standardized Residual for Siklus2	.198	3	.	.995	3	.868
Standardized Residual for Siklus3	.213	3	.	.990	3	.806
Standardized Residual for Siklus4	.308	3	.	.902	3	.391
Standardized Residual for Siklus5	.181	3	.	.999	3	.939
Standardized Residual for Siklus6	.330	3	.	.866	3	.286

a. Lilliefors Significance Correction

Tests of Within-Subjects Effects

Measure: Dayasebar

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	.266	5	.053	1.389	.307
	Greenhouse-Geisser	.266	1.540	.172	1.389	.354
	Huynh-Feldt	.266	5.000	.053	1.389	.307
	Lower-bound	.266	1.000	.266	1.389	.360
Error (Siklus)	Sphericity Assumed	.382	10	.038		
	Greenhouse-Geisser	.382	3.081	.124		
	Huynh-Feldt	.382	10.000	.038		
	Lower-bound	.382	2.000	.191		

Lampiran 21. Hasil Uji *Skin Analyzer* Hewan Uji

Hasil Uji Persen Kolagen						
Kelompok	Replikasi	Sebelum Induksi UV-A	Setelah Induksi UV-A (T0)	Hari Ke-30	Peningkatan parameter	
					T0-T (-14)	T30-T0
(-)	1	55	43	65	-12	20
	2	57	45	66	-12	19
	3	64	54	65	-10	6
	4	55	46	65	-9	10
	5	64	55	66	-9	11
Rata2 ± SD		59,00 ± 4,15	48,60 ± 5,00	51,20± 5,38	-10,40 ±1,35	2,60 ±0,80
(+) F1	1	63	54	72	-9	25
	2	56	47	69	-9	29
	3	57	47	68	-10	30
	4	55	48	67	-7	30
	5	64	55	69	-9	22
Rata2 ± SD		59,00 ± 3,74	50,20 ± 3,54	77,40±1,01	69,00±1,67	27,20 ± 3,18
F1	1	53	45	65	-8	19
	2	60	55	67	-5	13
	3	54	42	67	-12	25
	4	55	45	68	-10	25
	5	53	43	66	-10	23
Rata2 ± SD		55,00 ± 2,60	46,00 ± 4,64	62,00 ± 1,67	66,60 ± 1,02	21,00 ± 4,56
F2	1	54	43	69	-11	29
	2	57	47	70	-10	26
	3	62	53	68	-7	22
	4	55	47	69	-8	29
	5	53	43	68	-10	30
Rata2 ± SD		56,20 ± 3,18	46,60 ± 3,66	73,80 ± 1,46	68,80 ± 0,74	27,20±2,92
F3	1	57	48	65	-9	8
	2	53	43	66	-10	18

	3	55	42	65	-13	25
	4	58	43	67	-15	22
	5	54	47	65	-7	19
Rata2 ± SD		55,40 ± 1,85	44,60 ± 2,42	59,60 ± 2,72	65,60 ± 0,80	15,35 ± 3,57

Keterangan:

(-) : Krim kontrol negatif

(+) : Krim kontrol positif

F1 : Krim ekstrak daun muda pepaya 2,5%

F2 : Krim ekstrak daun muda pepaya 5%

F3 : Krim ekstrak daun muda pepaya 10%

Hasil Uji Persen Elastisitas						
Kelompok	Replikasi	Sebelum Induksi UV-A	Setelah Induksi UV-A (T0)	Hari Ke-30	Peningkatan parameter	
					T0-T (-14)	T30-T0
(-)	1	53	42	45	-11	3
	2	54	47	49	-7	2
	3	55	48	49	-7	1
	4	57	47	48	-10	1
	5	56	43	47	-13	4
Rata2 ± SD		55,00 ± 1,41	45,40 ± 2,42	47,60 ± 1,50	-9,60 ± 2,33	2,20 ± 1,16
(+)	1	54	44	55	-10	11
	2	53	45	57	-8	12
	3	57	43	55	-14	12
	4	55	47	58	-8	11
	5	54	43	57	-11	14
Rata2 ± SD		54,60 ± 1,35	44,40 ± 1,50	56,40 ± 1,20	-10,20 ± 2,23	12,00 ± 1,09
F1	1	55	47	52	-8	5
	2	57	45	52	-12	7
	3	55	47	51	-8	4

Hasil Uji Persen Elastisitas						
Kelompok	Replikasi	Sebelum Induksi UV-A	Setelah Induksi UV-A (T0)	Hari Ke-30	Peningkatan parameter	
					T0-T (-14)	T30-T0
	4	54	48	52	-6	4
	5	57	47	53	-10	6
Rata2 ± SD		55,60 ± 1,20	46,80 ± 0,98	52,00 ± 0,63	-8,80 ± 2,04	5,20 ± 1,16
F2	1	53	43	55	-10	12
	2	57	45	56	-12	11
	3	54	43	57	-11	14
	4	52	46	57	-6	11
	5	53	45	56	-8	11
Rata2 ± SD		53,80 ± 1,72	44,40 ± 1,20	56,20 ± 0,74	-9,40 ± 2,15	11,8 ± 1,16
F3	1	54	43	52	-11	9
	2	57	42	52	-15	10
	3	53	42	48	-11	6
	4	53	45	51	-8	6
	5	57	46	51	-11	5
Rata2 ± SD		54,80 ± 1,83	43,60 ± 1,62	50,80 ± 1,46	-11,20 ± 2,22	7,20 ± 1,93

Keterangan

(-) : Krim kontrol negatif

(+) : Krim kontrol positif

F1 : Krim ekstrak daun muda pepaya 2,5%

F2 : Krim ekstrak daun muda pepaya 5%

F3 : Krim ekstrak daun muda pepaya 10%

Hasil Uji Persen Kelembapan						
Kelompok	Replikasi	Sebelum Induksi UV-A	Setelah Induksi UV-A (T0)	Hari Ke-30	Peningkatan parameter	
					T0-T (-14)	T30-T0
(-)	1	13	7	8	-6	1
	2	11	3	7	-8	4
	3	11	5	7	-6	2
	4	12	3	9	-9	6
	5	10	3	7	-7	4
Rata2 ± SD		11,40 ± 1,02	4,20 ± 1,60	7,60 ± 0,80	-7,20 ± 1,16	3,40 ± 1,74
(+) F1	1	11	3	57	-8	54
	2	14	4	45	-10	41
	3	12	3	47	-9	44
	4	11	7	47	-4	40
	5	12	3	45	-9	42
Rata2 ± SD		12,00 ± 1,09	4,00 ± 1,55	48,20 ± 4,50	-8,00 ± 2,10	44,20 ± 5,07
F2	1	13	7	11	-6	4
	2	12	4	11	-8	7
	3	11	7	13	-4	6
	4	10	5	15	-5	10
	5	12	3	11	-9	8
Rata2 ± SD		11,60 ± 1,02	5,20 ± 1,60	12,20 ± 1,60	-6,40 ± 1,85	7,00 ± 2,00
F3	1	13	3	26	-10	23
	2	11	7	27	-4	20
	3	12	4	25	-8	21
	4	11	7	25	-4	18
	5	12	7	26	-5	19
Rata2 ± SD		11,80 ± 0,75	5,60 ± 1,74	25,80 ± 0,75	-6,20 ± 2,40	20,20 ± 1,72
F3	1	11	7	15	-4	8
	2	12	8	17	-4	9
	3	13	4	17	-9	13
	4	14	5	25	-9	20

Hasil Uji Persen Kelembapan						
Kelompok	Replikasi	Sebelum Induksi UV-A	Setelah Induksi UV-A (T0)	Hari Ke-30	Peningkatan parameter	
					T0-T (-14)	T30-T0
	5	15	7	17	-8	10
Rata2 ± SD		13,00 ± 1,41	6,20 ± 1,46	18,20 ± 3.48	-6.80 ± 2.31	12,00 ± 4.33

Keterangan:

(-) : Krim kontrol negatif

(+) : Krim kontrol positif

F1 : Krim ekstrak daun muda pepaya 2,5%

F2 : Krim ekstrak daun muda pepaya 5%

F3 : Krim ekstrak daun muda pepaya 10%

Lampiran 22. Hasil Uji Statistika *Skin Analyzer* Hewan Uji

Hasil Uji Paired T-test persen kolagen sebelum dan sesudah induksi sinar UV-A sebelum 14 hari.

One-Sample Kolmogorov-Smirnov

		krim ekstrak 2,5% sebelum	krim ekstrak 2,5% sesudah	krim ekstrak 5% sebelum	krim ekstrak 5% sesudah
N		5	5	5	5
Normal Parameters ^{a,b}	Mean	55.00	46.00	56.20	46.60
	Std. Deviation	2.915	5.196	3.564	4.099
Most Extreme Differences	Absolute	.300	.376	.232	.261
	Positive	.300	.376	.232	.261
	Negative	-.246	-.221	-.185	-.190
Test Statistic		.300	.376	.232	.261
Asymp. Sig. (2-tailed)		.161 ^c	.020 ^c	.200 ^{c,d}	.200 ^{c,d}

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

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

krim ekstrak 10% sebelum	krim ekstrak 10% sesudah	krim kontrol negatif sebelum	krim kontrol negatif sesudah	krim kontrol positif sebelum	krim kontrol positif sesudah
5	5	5	5	5	5
55.40	44.60	59.00	48.60	59.00	50.20
2.074	2.702	4.637	5.505	4.183	3.962
.180	.323	.267	.282	.284	.311
.176	.323	.267	.282	.284	.311
-.180	-.213	-.260	-.237	-.231	-.231
.180	.323	.267	.282	.284	.311
.200 ^{c,d}	.096 ^c	.200 ^{c,d}	.200 ^{c,d}	.200 ^{c,d}	.129 ^c

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	krim ekstrak 2,5% sebelum	55.00	5	2.915	1.304
	krim ekstrak 2,5% sesudah	46.00	5	5.196	2.324
Pair 2	krim ekstrak 5% sebelum	56.20	5	3.564	1.594
	krim ekstrak 5% sesudah	46.60	5	4.099	1.833
Pair 3	krim ekstrak 10% sebelum	55.40	5	2.074	.927
	krim ekstrak 10% sesudah	44.60	5	2.702	1.208
Pair 4	krim kontrol negatif sebelum	59.00	5	4.637	2.074
	krim kontrol negatif sesudah	48.60	5	5.505	2.462
Pair 5	krim kontrol positif sebelum	59.00	5	4.183	1.871
	krim kontrol positif sesudah	50.20	5	3.962	1.772

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	krim ekstrak 2,5% sebelum & krim ekstrak 2,5% sesudah	5	.941	.017
Pair 2	krim ekstrak 5% sebelum & krim ekstrak 5% sesudah	5	.965	.008
Pair 3	krim ekstrak 10% sebelum & krim ekstrak 10% sesudah	5	.125	.841
Pair 4	krim kontrol negatif sebelum & krim kontrol negatif sesudah	5	.970	.006
Pair 5	krim kontrol positif sebelum & krim kontrol positif sesudah	5	.965	.008

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	krim ekstrak 2,5% sebelum - krim ekstrak 2,5% sesudah	9.000	2.646	1.183	5.715	12.285	7.606	4	.002
Pair 2	krim ekstrak 5% sebelum - krim ekstrak 5% sesudah	9.600	1.140	.510	8.184	11.016	18.827	4	.000
Pair 3	krim ekstrak 10% sebelum - krim ekstrak 10% sesudah	10.800	3.194	1.428	6.834	14.766	7.562	4	.002
Pair 4	krim kontrol negatif sebelum - krim kontrol negatif sesudah	10.400	1.517	.678	8.517	12.283	15.334	4	.000
Pair 5	krim kontrol positif sebelum - krim kontrol positif sesudah	8.800	1.095	.490	7.440	10.160	17.963	4	.000

Hasil Uji Paired T-test persen elastisitas sebelum dan sesudah induksi sinar UV-A sebelum 14 hari.

One-Sample Kolmogorov-Smirnov

		Krim ekstrak 2,5% sebelum	Krim ekstrak 2,5% sesudah	Krim ekstrak 5% sebelum	Krim ekstrak 5% sesudah
N		5	5	5	5
Normal Parameters ^{a,b}	Mean	55.60	46.80	53.80	44.40
	Std. Deviation	1.342	1.095	1.924	1.342
Most Extreme Differences	Absolute	.273	.372	.261	.273
	Positive	.273	.228	.261	.252
	Negative	-.252	-.372	-.175	-.273
Test Statistic		.273	.372	.261	.273
Asymp. Sig. (2-tailed)		.200 ^{c,d}	.022 ^c	.200 ^{c,d}	.200 ^{c,d}

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

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

Krim ekstrak 10%	Krim ekstrak 10% sesudah	Krim kontrol negatif sebelum	Krim kontrol negatif sesudah	Krim kontrol positif sebelum	Krim kontrol positif sesudah
5	5	5	5	5	5
54.80	43.60	55.00	45.40	54.60	44.40
2.049	1.817	1.581	2.702	1.517	1.673
.258	.229	.136	.323	.254	.201
.252	.229	.136	.213	.254	.199
-.258	-.189	-.136	-.323	-.146	-.201
.258	.229	.136	.323	.254	.201
.200 ^{c,d}	.200 ^{c,d}	.200 ^{c,d}	.096 ^c	.200 ^{c,d}	.200 ^{c,d}

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Krim ekstrak 2,5% sebelum	55.60	5	1.342	.600
	Krim ekstrak 2,5% sesudah	46.80	5	1.095	.490
Pair 2	Krim ekstrak 5% sebelum	53.80	5	1.924	.860
	Krim ekstrak 5% sesudah	44.40	5	1.342	.600
Pair 3	Krim ekstrak 10% sebelum	54.80	5	2.049	.917
	Krim ekstrak 10% sesudah	43.60	5	1.817	.812
Pair 4	Krim kontrol negatif sebelum	55.00	5	1.581	.707
	Krim kontrol negatif sesudah	45.40	5	2.702	1.208
Pair 5	Krim kontrol positif sebelum	54.60	5	1.517	.678
	Krim kontrol positif sesudah	44.40	5	1.673	.748

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Krim ekstrak 2,5% sebelum & Krim ekstrak 2,5% sesudah	5	-.748	.146
Pair 2	Krim ekstrak 5% sebelum & Krim ekstrak 5% sesudah	5	-.058	.926
Pair 3	Krim ekstrak 10% & Krim ekstrak 10% sesudah	5	.175	.779
Pair 4	Krim kontrol negatif sebelum & Krim kontrol negatif sesudah	5	.351	.562
Pair 5	Krim kontrol positif sebelum & Krim kontrol positif sesudah	5	-.217	.726

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	Krim ekstrak 2,5% sebelum - Krim ekstrak 2,5% sesudah	8.800	2.280	1.020	5.969	11.631	8.629	4	.001
Pair 2	Krim ekstrak 5% sebelum - Krim ekstrak 5% sesudah	9.400	2.408	1.077	6.410	12.390	8.728	4	.001
Pair 3	Krim ekstrak 10% - Krim ekstrak 10% sesudah	11.200	2.490	1.114	8.108	14.292	10.058	4	.001
Pair 4	Krim kontrol negatif sebelum - Krim kontrol negatif sesudah	9.600	2.608	1.166	6.362	12.838	8.232	4	.001
Pair 5	Krim kontrol positif sebelum - Krim kontrol positif sesudah	10.200	2.490	1.114	7.108	13.292	9.160	4	.001

Hasil Uji Paired T-test persen kelembapan sebelum dan sesudah induksi sinar UV-A sebelum 14 hari.

		Krim ekstrak 2,5% sebelum	Krim ekstrak 2,5% sesudah	Krim ekstrak 5% sebelum	Krim ekstrak 5% sesudah
N		5	5	5	5
Normal Parameters ^{a,b}	Mean	11.60	5.20	11.80	5.60
	Std. Deviation	1.140	1.789	.837	1.949
Most Extreme Differences	Absolute	.237	.243	.231	.364
	Positive	.163	.157	.231	.236
	Negative	-.237	-.243	-.194	-.364
Test Statistic		.237	.243	.231	.364
Asymp. Sig. (2-tailed)		.200 ^{c,d}	.200 ^{c,d}	.200 ^{c,d}	.029 ^c

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

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

Krim ekstrak 10%	Krim ekstrak 10% sesudah	Krim kontrol negatif sebelum	Krim kontrol negatif sesudah	Krim kontrol positif sebelum	Krim kontrol positif sesudah
5	5	5	5	5	5
13.00	6.20	11.40	4.20	12.00	4.00
1.581	1.643	1.140	1.789	1.225	1.732
.136	.287	.237	.349	.300	.318
.136	.167	.237	.349	.300	.318
-.136	-.287	-.163	-.251	-.207	-.282
.136	.287	.237	.349	.300	.318
.200 ^{c,d}	.200 ^{c,d}	.200 ^{c,d}	.046 ^c	.161 ^c	.109 ^c

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Krim ekstrak 2,5% sebelum	11.60	5	1.140	.510
	Krim ekstrak 2,5% sesudah	5.20	5	1.789	.800
Pair 2	Krim ekstrak 5% sebelum	11.80	5	.837	.374
	Krim ekstrak 5% sesudah	5.60	5	1.949	.872
Pair 3	Krim ekstrak 10% sebelum	13.00	5	1.581	.707
	Krim ekstrak 10% sesudah	6.20	5	1.643	.735
Pair 4	Krim kontrol negatif sebelum	11.40	5	1.140	.510
	Krim kontrol negatif sesudah	4.20	5	1.789	.800
Pair 5	Krim kontrol positif sebelum	12.00	5	1.225	.548
	Krim kontrol positif sesudah	4.00	5	1.732	.775

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Krim ekstrak 2,5% sebelum & Krim ekstrak 2,5% sesudah	5	.049	.938
Pair 2	Krim ekstrak 5% sebelum & Krim ekstrak 5% sesudah	5	-.828	.084
Pair 3	Krim ekstrak 10% & Krim ekstrak 10% sesudah	5	-.289	.638
Pair 4	Krim kontrol negatif sebelum & Krim kontrol negatif sesudah	5	.686	.201
Pair 5	Krim kontrol positif sebelum & Krim kontrol positif sesudah	5	-.236	.703

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	Krim ekstrak 2,5% sebelum - Krim ekstrak 2,5% sesudah	6.400	2.074	.927	3.825	8.975	6.901	4	.002
Pair 2	Krim ekstrak 5% sebelum - Krim ekstrak 5% sesudah	6.200	2.683	1.200	2.868	9.532	5.167	4	.007
Pair 3	Krim ekstrak 10% - Krim ekstrak 10% sesudah	6.800	2.588	1.158	3.586	10.014	5.874	4	.004
Pair 4	Krim kontrol negatif sebelum - Krim kontrol negatif sesudah	7.200	1.304	.583	5.581	8.819	12.348	4	.000
Pair 5	Krim kontrol positif sebelum - Krim kontrol positif sesudah	8.000	2.345	1.049	5.088	10.912	7.628	4	.002

Hasil Uji Paired T-test persen kolagen sebelum dan sesudah dioles krim selama 30 hari.

1. Krim ekstrak daun muda pepaya 2,5%

One-Sample Kolmogorov-Smirnov Test

		Sebelum dioles krim	Sesudah dioles
N		5	5
Normal Parameters ^{a,b}	Mean	46.00	66.60
	Std. Deviation	5.196	1.140
Most Extreme Differences	Absolute	.376	.237
	Positive	.376	.163
	Negatif	-.221	-.237
Test Statistic		.376	.237
Asymp. Sig. (2-tailed)		.020 ^c	.200 ^{c,d}

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

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

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Sebelum dioles krim	46.00	5	5.196	2.324
	Sesudah dioles	66.60	5	1.140	.510

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Sebelum dioles krim & Sesudah dioles	5	.169	.786

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 dioles krim - Sesudah dioles	-20.600	5.128	2.293	-26.968	-14.232	-8.982	4	.001

2. Krim ekstrak daun muda pepaya 5%

One-Sample Kolmogorov-Smirnov Test

		Sebelum dioles krim	Sesudah dioles
N		5	5
Normal Parameters ^{a,b}	Mean	46.60	68.80
	Std. Deviation	4.099	.837
Most Extreme Differences	Absolute	.261	.231
	Positive	.261	.231
	Negatif	-.190	-.194
Test Statistic		.261	.231
Asymp. Sig. (2-tailed)		.200 ^{c,d}	.200 ^{c,d}

- a. Test distribution is Normal.
 b. Calculated from data.
 c. Lilliefors Significance Correction.
 d. This is a lower bound of the true significance.

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Sebelum dioles krim	46.60	5	4.099	1.833
	Sesudah dioles	68.80	5	.837	.374

Paired Samples Test

	Paired Differences					t	df	Sig. (2-tailed)
		Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
				Lower	Upper			
Pair 1 Sebelum dioles krim - Sesudah dioles	-22.200	4.324	1.934	-27.569	-16.831	-11.479	4	.000

3. Krim ekstrak daun muda pepaya 10%

One-Sample Kolmogorov-Smirnov Test

		Sebelum dioles krim	Sesudah dioles
N		5	5
Normal Parameters ^{a,b}	Mean	44.60	65.60
	Std. Deviation	2.702	.894
Most Extreme Differences	Absolute	.323	.349
	Positive	.323	.349
	Negatif	-.213	-.251
Test Statistic		.323	.349
Asymp. Sig. (2-tailed)		.096 ^c	.046 ^c

- a. Test distribution is Normal.
 b. Calculated from data.
 c. Lilliefors Significance Correction.

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Sebelum dioles krim	44.60	5	2.702	1.208
	Sesudah dioles	65.60	5	.894	.400

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Sebelum dioles krim & Sesudah dioles	5	-.497	.395

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 Sebelum dioles krim - Sesudah dioles	-21.000	3.240	1.449	-25.023	-16.977	-14.491	4	.000

4. Krim kontrol negatif

One-Sample Kolmogorov-Smirnov Test

		Sebelum dioles krim	Sesudah dioles
N		5	5
Normal Parameters ^{a,b}	Mean	48.60	65.40
	Std. Deviation	5.505	.548
Most Extreme Differences	Absolute	.282	.367
	Positive	.282	.367
	Negatif	-.237	-.263
Test Statistic		.282	.367
Asymp. Sig. (2-tailed)		.200 ^{c,d}	.026 ^c

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

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

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Sebelum dioles krim	48.60	5	5.505	2.462
	Sesudah dioles	65.40	5	.548	.245

Paired Samples Correlations

	N	Correlation	Sig.
Pair 1 Sebelum dioles krim & Sesudah dioles	5	.232	.707

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 dioles krim - Sesudah dioles	-16.800	5.404	2.417	-23.510	-10.090	-6.952	4	.002

5. Krim kontrol positif**One-Sample Kolmogorov-Smirnov Test**

	Sebelum dioles krim	Sesudah dioles
N	5	5
Normal Parameters ^{a,b}		
Mean	50.20	69.00
Std. Deviation	3.962	1.871
Most Extreme Differences		
Absolute	.311	.300
Positive	.311	.300
Negative	-.231	-.146
Test Statistic	.311	.300
Asymp. Sig. (2-tailed)	.129 ^c	.161 ^c

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

Paired Samples Statistics

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 Sebelum dioles krim	50.20	5	3.962	1.772
Sesudah dioles	69.00	5	1.871	.837

Paired Samples Correlations

	N	Correlation	Sig.
Pair 1 Sebelum dioles krim & Sesudah dioles	5	.641	.244

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 Sebelum 1 dioles krim - Sesudah dioles	-18.800	3.114	1.393	-22.667	-14.933	-13.498	4	.000

Hasil uji one way ANOVA peningkatan persen kolagen pada hari ke-30**Tests of Normality**

	Krim	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Peningkatan paramater	Krim ekstrak 2,5%	.253	5	.200 [*]	.854	5	.207
	Krim ekstrak 5%	.309	5	.134	.853	5	.203
	Krim ekstrak 10%	.275	5	.200 [*]	.910	5	.471
	Krim kontrol negatif	.242	5	.200 [*]	.897	5	.395
	Krim kontrol positif	.293	5	.185	.838	5	.159

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

a. Lilliefors Significance Correction

ANOVA**Peningkatan paramater**

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	984.000	4	246.000	15.871	.000
Within Groups	310.000	20	15.500		
Total	1294.000	24			

Multiple Comparisons

Dependent Variable: Peningkatan paramater

Tukey HSD

(I) Krim (J) Krim		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Krim ekstrak 2,5%	Krim ekstrak 5%	-1.600	2.490	.966	-9.05	5.85
	Krim ekstrak 10%	-.400	2.490	1.000	-7.85	7.05
	Kontrol negatif	13.200 [*]	2.490	.000	5.75	20.65
	Kontrol positif	-5.200	2.490	.263	-12.65	2.25
Krim ekstrak 5%	Krim ekstrak 2,5%	1.600	2.490	.966	-5.85	9.05
	Krim ekstrak 10%	1.200	2.490	.988	-6.25	8.65
	Kontrol negatif	14.800 [*]	2.490	.000	7.35	22.25
	Kontrol positif	-3.600	2.490	.607	-11.05	3.85
Krim ekstrak 10%	Krim ekstrak 2,5%	.400	2.490	1.000	-7.05	7.85
	Krim ekstrak 5%	-1.200	2.490	.988	-8.65	6.25
	Kontrol negatif	13.600 [*]	2.490	.000	6.15	21.05
	Kontrol positif	-4.800	2.490	.336	-12.25	2.65
Kontrol negatif	Krim ekstrak 2,5%	-13.200 [*]	2.490	.000	-20.65	-5.75
	Krim ekstrak 5%	-14.800 [*]	2.490	.000	-22.25	-7.35
	Krim ekstrak 10%	-13.600 [*]	2.490	.000	-21.05	-6.15
	Kontrol positif	-18.400 [*]	2.490	.000	-25.85	-10.95
Kontrol positif	Krim ekstrak 2,5%	5.200	2.490	.263	-2.25	12.65
	Krim ekstrak 5%	3.600	2.490	.607	-3.85	11.05
	Krim ekstrak 10%	4.800	2.490	.336	-2.65	12.25
	Kontrol negatif	18.400 [*]	2.490	.000	10.95	25.85

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

Peningkatan paramaterTukey HSD^a

Krim	N	Subset for alpha = 0.05	
		1	2
Kontrol negatif	5	7.40	
Krim ekstrak 2,5%	5		20.60
Krim ekstrak 10%	5		21.00
Krim ekstrak 5%	5		22.20
Kontrol positif	5		25.80
Sig.		1.000	.263

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Hasil uji one way ANOVA peningkatan persen kelembapan pada hari ke-30

One-Sample Kolmogorov-Smirnov Test

		Peningkatan paramater
N		25
Normal Parameters ^{a,b}	Mean	17.36
	Std. Deviation	15.234
Most Extreme Differences	Absolute	.205
	Positive	.205
	Negatif	-.141
Test Statistic		.205
Asymp. Sig. (2-tailed)		.008 ^c

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

ANOVA

Peningkatan paramater

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	5296.960	4	1324.240	97.085	.000
Within Groups	272.800	20	13.640		
Total	5569.760	24			

Multiple Comparisons

Dependent Variable: Peningkatan parameter

Tukey HSD

(I) Krim (J) Krim		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Krim ekstrak 2,5%	Krim ekstrak 5%	-13.200 [*]	2.336	.000	-20.19	-6.21
	Krim ekstrak 10%	-5.000	2.336	.242	-11.99	1.99
	Kontrol negatif	3.600	2.336	.549	-3.39	10.59
	Kontrol positif	-37.200 [*]	2.336	.000	-44.19	-30.21
Krim ekstrak 5%	Krim ekstrak 2,5%	13.200 [*]	2.336	.000	6.21	20.19
	Krim ekstrak 10%	8.200 [*]	2.336	.017	1.21	15.19
	Kontrol negatif	16.800 [*]	2.336	.000	9.81	23.79
	Kontrol positif	-24.000 [*]	2.336	.000	-30.99	-17.01
Krim ekstrak 10%	Krim ekstrak 2,5%	5.000	2.336	.242	-1.99	11.99
	Krim ekstrak 5%	-8.200 [*]	2.336	.017	-15.19	-1.21
	Kontrol negatif	8.600 [*]	2.336	.011	1.61	15.59
	Kontrol positif	-32.200 [*]	2.336	.000	-39.19	-25.21
Kontrol negatif	Krim ekstrak 2,5%	-3.600	2.336	.549	-10.59	3.39
	Krim ekstrak 5%	-16.800 [*]	2.336	.000	-23.79	-9.81
	Krim ekstrak 10%	-8.600 [*]	2.336	.011	-15.59	-1.61
	Kontrol positif	-40.800 [*]	2.336	.000	-47.79	-33.81
Kontrol positif	Krim ekstrak 2,5%	37.200 [*]	2.336	.000	30.21	44.19
	Krim ekstrak 5%	24.000 [*]	2.336	.000	17.01	30.99
	Krim ekstrak 10%	32.200 [*]	2.336	.000	25.21	39.19
	Kontrol negatif	40.800 [*]	2.336	.000	33.81	47.79

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

Peningkatan parameterTukey HSD^a

Krim	N	Subset for alpha = 0.05			
		1	2	3	4
Kontrol negatif	5	3.40			
Krim ekstrak 2,5%	5	7.00	7.00		
Krim ekstrak 10%	5		12.00		
Krim ekstrak 5%	5			20.20	
Kontrol positif	5				44.20
Sig.		.549	.242	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Hasil uji one way ANOVA peningkatan persen elastisitas pada hari ke-30

One-Sample Kolmogorov-Smirnov Test

		Krim	Peningkatan parameter
N		25	25
Normal Parameters ^{a,b}	Mean	3.00	9.24
	Std. Deviation	1.443	3.919
Most Extreme Differences	Absolute	.156	.273
	Positive	.156	.109
	Negative	-.156	-.273
Test Statistic		.156	.273
Asymp. Sig. (2-tailed)		.120 ^c	.000 ^c

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

ANOVA

Peningkatan parameter

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	360.240	4	90.060	39.850	.000
Within Groups	45.200	20	2.260		
Total	405.440	24			

Multiple Comparisons

Dependent Variable: Peningkatan parameter

Tukey HSD

(I) Krim	(J) Krim	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Krim ekstrak 2,5%	Krim ekstrak 5%	-6.600*	.951	.000	-9.45	-3.75
	Krim ekstrak 10%	-2.000	.951	.257	-4.85	.85
	Kontrol negatif	3.000*	.951	.036	.15	5.85
	Kontrol positif	-6.800*	.951	.000	-9.65	-3.95
Krim ekstrak 5%	Krim ekstrak 2,5%	6.600*	.951	.000	3.75	9.45
	Krim ekstrak 10%	4.600*	.951	.001	1.75	7.45
	Kontrol negatif	9.600*	.951	.000	6.75	12.45
	Kontrol positif	-.200	.951	1.000	-3.05	2.65
Krim ekstrak 10%	Krim ekstrak 2,5%	2.000	.951	.257	-.85	4.85
	Krim ekstrak 5%	-4.600*	.951	.001	-7.45	-1.75
	Kontrol negatif	5.000*	.951	.000	2.15	7.85
	Kontrol positif	-4.800*	.951	.001	-7.65	-1.95
Kontrol negatif	Krim ekstrak 2,5%	-3.000*	.951	.036	-5.85	-.15
	Krim ekstrak 5%	-9.600*	.951	.000	-12.45	-6.75
	Krim ekstrak 10%	-5.000*	.951	.000	-7.85	-2.15
	Kontrol positif	-9.800*	.951	.000	-12.65	-6.95
Kontrol positif	Krim ekstrak 2,5%	6.800*	.951	.000	3.95	9.65
	Krim ekstrak 5%	.200	.951	1.000	-2.65	3.05
	Krim ekstrak 10%	4.800*	.951	.001	1.95	7.65
	Kontrol negatif	9.800*	.951	.000	6.95	12.65

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

Peningkatan paramaterTukey HSD^a

Krim	N	Subset for alpha = 0.05		
		1	2	3
Kontrol negatif	5	2.20		
Krim ekstrak 2,5%	5		5.20	
Krim ekstrak 10%	5		7.20	
Krim ekstrak 5%	5			11.80
Kontrol positif	5			12.00
Sig.		1.000	.257	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Lampiran 23. Hasil Uji keamanan primer dan okluer krim pada kelinci

A. Uji keamanan primer

Respon setelah pemberian sediaan							
Sediaan	Replikas	24 Jam		48 Jam		72 jam	
		Eritem	Udema	Eritem	Udem	Eritem	Udem
	i	a		a	a	a	a
Krim kontrol negatif	1	0	0	1	0	0	0
	2	0	0	0	0	0	0
	3	0	0	0	0	1	0
Total		0	0	1	0	1	0
IIPR		0,67					
Kesimpulan		Krim sangat sedikit mengiritasi					
Krim ekstrak 2,5%	1	0	0	0	0	1	0
	2	0	0	1	0	0	0
	3	0	0	0	0	0	0
Total		0	0	1	0	1	0
IIPR		0,67					
Kesimpulan		Krim sangat sedikit mengiritasi					
Krim ekstrak 5%	1	0	0	0	0	0	0
	2	0	0	1	0	0	0
	3	0	0	0	0	0	0
Total		0	0	1	0	0	0
IIPR		0,33					
Kesimpulan		Krim sangat sedikit mengiritasi					
Krim ekstrak 10%	1	0	0	1	0	1	0
	2	0	0	0	0	0	0
	3	0	0	1	0	0	0
Total		0	0	2	0	1	0
IIPR		1					
Kesimpulan		Krim sedikit mengiritasi					

IIPR : Indeks Iritasi Primer

Indeks Iritasi Primer =

$$\frac{\text{Jumlah eritema 24/48/72jam} + \text{Jumlah edema 24/48/72 jam}}{\text{Jumlah kelinci}}$$

- 1) Krim kontrol negatif = $\frac{2}{3} = 0,67$
- 2) Krim ekstrak daun muda pepaya 2,5% = $\frac{2}{3} = 0,67$
- 3) Krim ekstrak daun muda pepaya 5% = $\frac{1}{3} = 0,33$
- 4) Krim ekstrak daun muda pepaya 10% = $\frac{3}{3} = 1,00$

Uji keamanan okluer

Respon setelah pemberian sediaan													
Sediaan	Replikasi	Skor iris			Skor kornea			Skor konjungtiva			Skor kemosis		
		24	48	72	24	48	72	24	48	72	24	48	72
Krim	1	0	0	0	0	0	0	0	0	0	0	0	0
Kontrol	2	0	0	0	0	0	0	0	0	0	0	0	0
Negatif	3	0	0	0	0	0	0	0	0	0	0	0	0
Total		0	0	0	0	0	0	0	0	0	0	0	0
IIO		0											
Kesimpulan		Krim tidak mengiritasi											
Krim	1	0	0	0	0	0	0	0	0	0	0	0	0
Ekstrak	2	0	0	0	0	0	0	0	0	0	0	0	0
2,5%	3	0	0	0	0	0	0	0	0	0	0	0	0
Total		0	0	0	0	0	0	0	0	0	0	0	0
IIO		0											
Kesimpulan		Krim tidak mengiritasi											
Krim	1	0	0	0	0	0	0	0	0	0	0	0	0
Ekstrak	2	0	0	0	0	0	0	0	0	0	0	0	0
5%	3	0	0	0	0	0	0	0	0	0	0	0	0
Total		0	0	0	0	0	0	0	0	0	0	0	0
IIO		0											
Kesimpulan		Krim tidak mengiritasi											
Krim	1	0	0	0	0	0	0	0	0	0	0	0	0
Ekstrak	2	0	0	0	0	0	0	0	0	0	0	0	0
10%	3	0	0	0	0	0	0	0	0	0	0	0	0
Total		0	0	0	0	0	0	0	0	0	0	0	0
IIO		0											
Kesimpulan		Krim tidak mengiritasi											

IIO = Indeks Iritasi Okuler