L A M P I R A N

Lampiran 1. Surat Keterangan Determinasi Tanaman

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.04.02/2/1234/2022 04 Juli 2022
Hal : Keterangan Determinasi

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

Merujuk surat Saudara nomor: 791/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	: Ananda Risky Putri
Nama Sampel	: Bayam Merah
Sampel	: Tanaman Segar
Spesies	: *Amaranthus tricolor* L.
Sinonim	: *Amaranthus mucronatus* Hook.f.
Familia	: Amaranthaceae
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

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

Dokumen ini ditandatangani secara elektronik melalui Aplikasi TNDE menggunakan sertifikat elektronik yang diterbitkan oleh BSrE. (1/1)

Lampiran 2. Surat Keterangan Hewan Uji

"ABIMANYU FARM"
√ Mencit putih jantan √ Tikus Wistar √ Swis Webster √ Cacing
√ Mencit Balb/C √ Kelinci New Zaeland
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	: Ananda Rezky Putri
NIM	: 25195931A
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 3. Surat *Ethical Clearance*

HEALTH RESEARCH ETHICS COMITTE
KOMISI ETIK PENELITIAN KESEHATAN

Dr. Moewardi General Hospital
RSUD Dr. Moewardi

ETHICAL CLEARANCE
KELAIKAN ETIK

Nomor : 1.126 / VIII / 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 BAYAM MERAH (Amaranthus tricolor L.) PADA KULIT PUNGGUNG KELINCI NEW ZEALAND YANG DIPAPAR SINAR UV-A

Principal investigator Peneliti Utama	: Ananda Rezky Putri 25195931A
Location of research Lokasi Tempat Penelitian	: Laboratorium Universitas Setia Budi

Is ethically approved
Dinyatakan layak etik

Issued on : 01 September 2022
Chairman
Ketua

KOMISI ETIK PENELITIAN RSUD. Dr. MOEWARDI KEPK

Dr. Wahyu Dwi Atmoko., Sp.F
19770224 201001 1 004

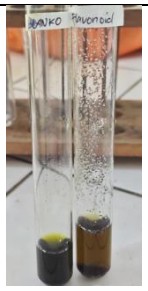
Lampiran 4. Dokumentasi Penelitian

4.1 Alat, dan bahan pembuatan ekstrak

Gambar	Keterangan
	Bayam merah segar
	Daun bayam merah kering
	Alat penyerbukan
	Serbuk daun bayam merah
	Alat maserasi

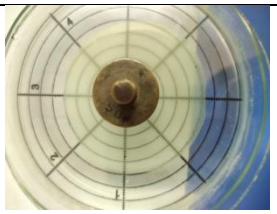
Gambar	Keterangan
	Ekstrak daun bayam merah
	*Moisture balance*

4.2 Hasil identifikasi senyawa kimia ekstrak daun bayam merah

Senyawa kimia	Hasil	Kesimpulan
Flavonoid		+
Alkaloid a. HCl 2N/Blanko b. Dragrendroff c. Mayer d. Wagner		+
Tanin a. Blanko b. $FeCl_3$ c. Gelatin		+

4.3 Alat, dan bahan uji mutu fisik krim

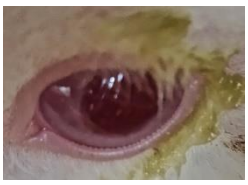
Gambar	Keterangan
	Sediaan krim uji
	Uji organoleptis dan homogenitas
	*Viskometer Brookfield*
	pH meter
	Uji daya lekat

	Uji daya sebar
	Uji daya proteksi
 A. B. C.	Uji tipe krim Keterangan: A. Uji daya hantar listrik B. Kelarutan dalam minyak/ air C. Uji pewarnaan dengan Sudan III dan metilen biru
	Uji Stabilitas

4.4 Uji keamanan sediaan krim

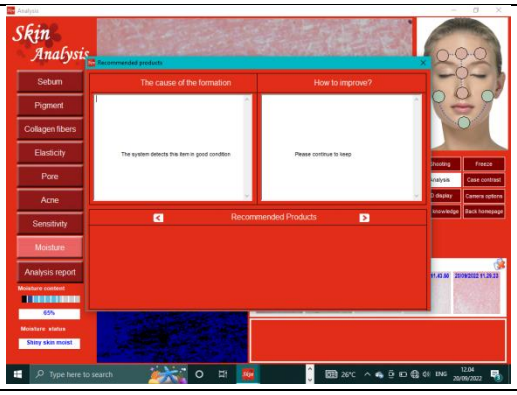
Kelinci	Uji iritasi primer		
	24	48	72
Kelinci I			
Kelinci II			
Kelinci III			

Keterangan:
1: Kulit punggung diolesi krim ekstrak 0,5%
2: Kulit punggung diolesi krim ekstrak 1,0%
3: Kulit punggung diolesi krim ekstrak 2,0%
4: Kulit punggung diolesi krim kontrol negatif (basis krim tanpa ekstrak)
5: Kulit punggung diolesi krim kontrol positif (krim Himalaya herbal anti kerut)

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

4.5 Alat, bahan, dan proses uji aktivitas *anti-aging*

Gambar	Keterangan
	Alat *skin analyzer EH900U*
	Pengukuran parameter aktivitas *anti-aging*
	Induksi sinar UV-A
	Kulit punggung kelinci sebelum di induksi sinar UV-A

Gambar	Keterangan
	Kulit punggung kelinci setelah di induksi sinar UV-A
	Kulit punggung kelinci setelah di beri krim sesuai dengan kelompok perlakuan
	Hasil analisis *skin analyzer* di laptop

Lampiran 5. Penetapan Rendemen dan Susut Pengeringan

5.1. Perhitungan rendemen serbuk

60 ikat sayur bayam merah segar = 9.000 gram

Daun bayam merah segar = 4.000 gram

Daun Kering = 755 gram

Serbuk kasar = 413 gram

Serbuk halus = 314 gram

% Rendemen serbuk = $\frac{bobot\ serbuk\ halus\ daun\ bayam\ merah}{bobot\ daun\ kering\ bayam\ merah} \times 100\%$

% Rendemen serbuk = $\frac{314}{755} \times 100\%$

= 41,58 %

5.2. Perhitungan rendemen ekstrak

Serbuk halus yang dimaserasi = 300 gram

Ekstrak kental = 63 gram

% Rendemen ekstrak = $\frac{bobot\ ekstrak\ kental\ daun\ bayam\ merah}{bobot\ serbuk\ halus\ bayam\ merah} \times 100\%$

% Rendemen ekstrak = $\frac{63}{300} \times 100\%$

= 21%

5.3. Hasil penetapan susut pengeringan

	Bobot (g)	Susut pengeringan (%)	Persyaratan (%)
Serbuk	2,02	8,5	≤10
	2,01	8,5	
	2,00	8,5	
	Rata-rata ± SD	8,5 ± 0	
Ekstrak	2,02	2,5	≤10
	2,00	2,5	
	2,05	2,4	
	Rata-rata ± SD	2,47 ± 0,06	

Lampiran 6. Hasil uji mutu fisik sediaan krim

1. Organoleptis

Formula	Minggu ke-1			Minggu ke-2		
	Warna	Bau	Tekstur	Warna	Bau	Tekstur
F1	hijau muda	vaselin	semi padat	hijau muda	vaselin	semi padat
F2	hijau muda	vaselin	semi padat	hijau muda	vaselin	semi padat
F3	hijau	vaselin	semi padat	hijau	vaselin	semi padat
F4 (-)	putih	vaselin	semi padat	putih	vaselin	semi padat

2. Homogenitas

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

3. Viskositas

Formula	Minggu ke-1 (cP)	Minggu ke-2 (cP)
F1	2.260	2.240
	2.220	2.260
	2.280	2.230
Rata-rata ± SD	2.253±0,03	2.243±0,02
F2	2.480	2.460
	2.450	2.440
	2.460	2.480
Rata-rata ± SD	2.463±0,02	2.460±0,02
F3	3.380	3.380
	3.400	3.350
	3.340	3.360
Rata-rata ± SD	3.373±0,03	3.363±0,02
F4	2.200	2.220
	2.190	2.170
	2.150	2.140
Rata-rata ± SD	2.320±0,03	2.177±0,04

4. pH

Formula	Minggu ke-1	Minggu ke-2
F1	4,71	4,69
	4,75	4,7
	4,7	4,7
Rata-rata ± SD	4,72 ±0,03	4,70±0,01
F2	4,85	4,85
	4,85	4,86
	4,87	4,89
Rata-rata ± SD	4,86±0,01	4,87±0,02
F3	5,01	4,95
	5	5,15
	5,02	5
Rata-rata ± SD	5,01±0,01	5,03±0,10
F4	5,66	5,67
	5,65	5,63
	5,64	5,66
Rata-rata ± SD	5,65±0,01	5,65±0,02

5. Daya sebar

Krim	Replikasi	Minggu ke-1 (cm)				Minggu ke-2 (cm)			
		Beban (gram)							
		0	50	100	150	0	50	100	150
F1	1	5,83	6,13	6,25	6,63	6,13	6,33	6,52	6,93
	2	6,33	6,43	6,53	6,95	6,25	6,45	6,73	6,95
	3	5,95	6,23	6,33	6,93	5,83	6,13	6,43	7,00
Rata-rata ± SD		6,03± 0,26	6,26± 0,15	6,37± 0,14	6,83± 0,18	6,07± 0,22	6,30± 0,16	6,56± 0,15	6,96± 0,04
F2	1	5,63	5,70	5,93	6,23	5,80	6,13	6,53	6,65
	2	5,55	5,65	6,03	6,35	5,50	5,85	6,10	6,33
	3	5,40	5,53	5,63	6,13	5,35	5,50	5,85	6,13
Rata-rata ± SD		5,53± 0,11	5,63± 0,09	5,86± 0,21	6,23± 0,11	5,55± 0,23	5,83± 0,31	6,16± 0,34	6,37± 0,26
F3	1	4,25	4,55	4,63	5,03	4,65	5,13	5,35	5,61
	2	5,05	5,33	5,43	5,65	4,53	5,15	5,40	6,13
	3	4,8	4,95	5,25	5,73	5,13	5,33	5,50	5,62
Rata-rata ± SD		4,70± 0,41	4,94± 0,39	5,10± 0,42	5,47± 0,38	4,77± 0,32	5,20± 0,11	5,42± 0,08	5,78± 0,30
F4	1	6,75	7,03	7,55	7,73	6,63	6,91	7,23	7,90
	2	6,35	6,93	7,25	7,53	6,80	6,93	7,33	8,13
	3	6,7	6,87	7,33	7,63	6,73	7,03	7,50	7,91
Rata-rata ± SD		6,60 ±0,22	6,94 ±0,08	7,38 ±0,16	7,63 ±0,10	6,72 ±0,09	6,95 ±0,06	7,35 ±0,14	7,98 ±0,13

6. Daya lekat

Formula	Minggu ke-1 (detik)	Minggu ke-2 (detik)
F1	2,48	2,54
	2,51	2,4
	2,39	2,39
Rata-rata ± SD	2,46±0,06	2,44±0,08
F2	3,19	2,89
	3,15	3,1
	2,85	3,13
Rata-rata ± SD	3,06±0,19	3,04±0,13
F3	3,22	3,43
	3,15	2,95
	3,3	2,83
Rata-rata ± SD	3,22±0,08	3,07±0,32
F4	1,73	1,84
	1,84	1,71
	1,55	1,59
Rata-rata ± SD	1,71±0,15	1,71±0,13

7. Daya proteksi

Formula	Minggu ke-1 (detik)	Minggu ke-2 (detik)
F1	12,56	10,45
	14,22	11,62
	10,20	9,97
Rata-rata ± SD	12,33 ± 2,02	10,68 ± 0,85
F2	19,51	22,46
	18,96	22,40
	24,77	18,80
Rata-rata ± SD	21,08±3,21	21,22±2,10
F3	25,20	22,80
	25,33	26,00
	28,97	23,60
Rata-rata ± SD	26,50±2,14	24,13±1,67
F4	6,61	4,97
	9,88	5,15
	8,23	7,72
Rata-rata ± SD	8,24±1,64	5,95±1,54

8. Tipe Krim

Formula	Replikasi	Daya Hantar Listrik	Pewarnaan	Kelarutan
F1	1	+	Larut dalam metilen blue	Larut dalam air
	2	+		
	3	+		
F2	1	+	Larut dalam metilen blue	Larut dalam air
	2	+		
	3	+		
F3	1	+	Larut dalam metilen blue	Larut dalam air
	2	+		
	3	+		
F4	1	+	Larut dalam metilen blue	Larut dalam air
	2	+		
	3	+		

9. Stabilitas krim

9.1 Organoleptis

Siklus	F1		F2		F3		F4	
	Bau & warna	**Tekstur**	**Bau & warna**	**Tekstur**	**Bau & warna**	**Tekstur**	**Bau & warna**	**Tekstur**
1	Vaselin, hijau	Semi padat	Vaselin, hijau muda	Semi padat	Vaselin, hijau muda	Semi padat	Vaselin, putih	Semi padat
2	Vaselin, hijau	Semi padat	Vaselin, hijau muda	Semi padat	Vaselin, hijau muda	Semi padat	Vaselin, putih	Semi padat
3	Vaselin, hijau	Semi padat	Vaselin, hijau muda	Semi padat	Vaselin, hijau muda	Semi padat	Vaselin, putih	Semi padat
4	Vaselin, hijau	Semi padat	Vaselin, hijau muda	Semi padat	Vaselin, hijau muda	Semi padat	Vaselin, putih	Semi padat
5	Vaselin, hijau	Semi padat	Vaselin, hijau muda	Semi padat	Vaselin, hijau muda	Semi padat	Vaselin, putih	Semi padat
6	Vaselin, hijau	Semi padat	Vaselin, hijau muda	Semi padat	Vaselin, hijau muda	Semi padat	Vaselin, putih	Semi padat

9.2 Homogenitas

Siklus	F1	F2	F3	F4
1	homogen	homogen	homogen	homogen
2	homogen	homogen	homogen	homogen
3	homogen	homogen	homogen	homogen
4	homogen	homogen	homogen	homogen
5	homogen	homogen	homogen	homogen
6	homogen	homogen	homogen	homogen

9.3 pH

Krim	Replikasi	pH					
		Siklus 1	Siklus 2	Siklus 3	Siklus 4	Siklus 5	Siklus 6
F1	1	4,72	4,73	4,67	4,70	4,67	4,69
	2	4,75	4,74	4,69	4,66	4,62	4,60
	3	4,73	4,70	4,75	4,68	4,68	4,65
	Rata-rata ± SD	4,73 ± 0,02	4,72 ± 0,02	4,70 ± 0,04	4,68 ± 0,02	4,66 ± 0,03	4,65 ± 0,05
F2	1	4,85	4,84	4,84	4,84	4,78	4,75
	2	4,90	4,86	4,82	4,82	4,83	4,80
	3	4,87	4,83	4,84	4,80	4,80	4,78
	Rata-rata ± SD	4,87 ± 0,03	4,84 ± 0,02	4,83 ± 0,01	4,82 ± 0,02	4,80 ± 0,03	4,78 ± 0,03
F3	1	5,10	5,03	4,99	4,85	4,75	4,80
	2	5,05	4,98	4,97	4,79	4,87	4,82
	3	5,02	5,00	4,89	4,88	4,84	4,77
	Rata-rata ± SD	5,06 ± 0,04	5,00 ± 0,03	4,95 ± 0,05	4,84 ± 0,05	4,82 ± 0,06	4,80 ± 0,03
F4	1	5,66	5,65	5,59	5,64	5,63	5,58
	2	5,60	5,62	5,67	5,63	5,55	5,55
	3	5,64	5,63	5,61	5,57	5,59	5,48
	Rata-rata ± SD	5,63 ± 0,03	5,63 ± 0,02	5,62 ± 0,04	5,61 ± 0,04	5,59 ± 0,04	5,54 ± 0,05

9.4 Viskositas

Krim	Replikasi	Viskositas (cP)					
		Siklus 1	Siklus 2	Siklus 3	Siklus 4	Siklus 5	Siklus 6
F1	1	2.240	2,240	2,260	2,250	2,220	2,180
	2	2.260	2,230	2,220	2,240	2,200	2,210
	3	2.270	2,260	2,240	2,210	2,210	2,190
	Rata-rata ± SD	2.257 ± 0,015	2,243 ± 0,015	2,240 ± 0,020	2,233 ± 0,021	2,210 ± 0,010	2,193 ± 0,015
F2	1	2,480	2,460	2,470	2,450	2,420	2,420
	2	2,460	2,480	2,450	2,440	2,440	2,430
	3	2,470	2,450	2,460	2,460	2,460	2,450
	Rata-rata ± SD	2,470 ± 0,010	2,463 ± 0,015	2,460 ± 0,010	2,450 ± 0,010	2,440 ± 0,020	2,433 ± 0,015
F3	1	3,380	3,370	3,350	3,360	3,340	3,280
	2	3,400	3,390	3,380	3,320	3,360	3,300
	3	3,380	3,380	3,360	3,340	3,320	3,320
	Rata-rata ± SD	3,387 ± 0,012	3,380 ± 0,010	3,363 ± 0,015	3,340 ± 0,020	3,340 ± 0,020	3,300 ± 0,020
F4	1	2,340	2,300	2,330	2,300	2,280	2,300
	2	2,320	2,340	2,300	2,320	2,310	2,270
	3	2,310	2,320	2,310	2,290	2,270	2,280
	Rata-rata ± SD	2,323 ± 0,015	2,320 ± 0,020	2,313 ± 0,015	2,303 ± 0,015	2,287 ± 0,021	2,283 ± 0,015

9.5 Daya lekat

Krim	Replikasi	Daya lekat (detik)					
		Siklus 1	Siklus 2	Siklus 3	Siklus 4	Siklus 5	Siklus 6
F1	1	2,88	2,67	2,38	2,11	2,46	2,05
	2	2,97	2,35	2,72	2,26	2,25	2,21
	3	2,49	2,74	2,45	2,52	2,14	1,84
	Rata-rata ± SD	2,78 ± 0,26	2,59 ± 0,21	2,52 ± 0,18	2,30 ± 0,21	2,28 ± 0,16	2,03 ± 0,19
F2	1	3,02	3,12	3,15	2,55	3,01	2,76
	2	2,99	3,06	2,79	2,93	2,79	2,96
	3	3,15	2,88	3,09	3,19	2,84	2,92
	Rata-rata ± SD	3,05 ± 0,09	3,02 ± 0,12	3,01 ± 0,19	2,89 ± 0,32	2,88 ± 0,12	2,88 ± 0,11
F3	1	3,16	3,43	3,43	3,18	3,03	3,19
	2	3,72	2,91	2,97	3,06	2,91	2,80
	3	3,33	3,31	3,11	2,93	3,13	3,10
	Rata-rata ± SD	3,40 ± 0,29	3,22 ± 0,27	3,17 ± 0,24	3,06 ± 0,13	3,02 ± 0,11	3,03 ± 0,20
F4	1	1,98	2,18	1,98	2,11	1,9	1,68
	2	2,51	2,22	1,99	2,02	1,78	1,6
	3	2,33	1,97	2,02	1,69	1,87	1,82
	Rata-rata ± SD	2,27 ± 0,27	2,12 ± 0,13	2,00 ± 0,02	1,94 ± 0,22	1,85 ± 0,06	1,70 ± 0,11

9.6 Daya sebar

Krim	Replikasi	Siklus 1 (cm)				Siklus 2 (cm)				Siklus 3 (cm)			
		Beban (gram)											
		0	**50**	**100**	**150**	**0**	**50**	**100**	**150**	**0**	**50**	**100**	**150**
F1	**1**	5,08	5,23	4,90	5,20	4,91	5,43	6,25	7,15	4,90	5,20	5,73	6,75
	2	5,10	5,53	5,33	5,60	5,25	5,50	6,13	6,90	5,33	5,60	6,13	6,85
	3	4,80	5,10	4,93	5,35	5,05	5,15	5,85	6,03	4,93	5,35	5,90	6,90
	Rata-rata	**4,99**	**5,28**	**5,05**	**5,38**	**5,07**	**5,36**	**6,08**	**6,69**	**5,05**	**5,38**	**5,92**	**6,83**
	± SD	**± 0,17**	**± 0,22**	**± 0,24**	**± 0,20**	**± 0,17**	**± 0,18**	**± 0,20**	**± 0,59**	**± 0,24**	**± 0,20**	**± 0,20**	**± 0,08**
F2	**1**	4,25	4,40	4,73	5,40	4,33	4,63	5,03	5,87	4,73	5,40	5,55	6,10
	2	4,38	4,65	4,80	5,25	4,18	4,95	5,48	5,95	4,80	5,25	5,50	5,88
	3	4,48	4,75	4,68	5,50	4,35	4,75	5,03	5,93	4,68	5,50	6,00	6,53
	Rata-rata	**4,37**	**4,60**	**4,73**	**5,38**	**4,28**	**4,78**	**5,18**	**5,92**	**4,73**	**5,38**	**5,68**	**6,17**
	± SD	**± 0,11**	**± 0,18**	**± 0,06**	**± 0,13**	**± 0,09**	**± 0,16**	**± 0,26**	**± 0,04**	**± 0,06**	**± 0,13**	**± 0,28**	**± 0,33**
F3	**1**	3,95	4,13	4,18	4,46	4,10	4,25	4,50	4,90	4,18	4,46	5,18	5,40
	2	4,10	4,45	4,23	4,45	4,13	4,33	4,53	4,88	4,23	4,45	5,08	5,38
	3	4,13	4,30	4,23	4,43	4,20	4,30	4,53	5,10	4,23	4,43	5,10	5,55
	Rata-rata	**4,06**	**4,29**	**4,21**	**4,44**	**4,14**	**4,29**	**4,52**	**4,96**	**4,21**	**4,44**	**5,12**	**5,44**
	± SD	**± 0,09**	**± 0,16**	**± 0,03**	**± 0,02**	**± 0,05**	**± 0,04**	**± 0,01**	**± 0,12**	**± 0,03**	**± 0,02**	**± 0,05**	**± 0,09**
F4	**1**	4,73	5,40	5,20	6,00	4,80	5,13	5,50	6,10	5,20	6,00	6,05	6,68
	2	4,80	5,25	5,00	6,15	4,90	5,15	5,40	5,90	5,00	6,15	6,40	6,80
	3	4,68	5,50	5,13	5,50	5,13	5,68	5,90	6,15	5,13	5,50	5,95	6,52
	Rata-rata	**4,73**	**5,38**	**5,11**	**5,88**	**4,94**	**5,32**	**5,60**	**6,05**	**5,11**	**5,88**	**6,13**	**6,66**
	± SD	**± 0,06**	**± 0,13**	**± 0,10**	**± 0,34**	**± 0,17**	**± 0,31**	**± 0,26**	**± 0,13**	**± 0,10**	**± 0,34**	**± 0,24**	**± 0,14**

Krim	Replikasi	Siklus 4 (cm)				Siklus 5 (cm)				Siklus 6 (cm)			
		Beban (gram)											
		0	**50**	**100**	**150**	**0**	**50**	**100**	**150**	**0**	**50**	**100**	**150**
F1	**1**	5,10	6,00	6,05	6,68	5,25	5,45	5,73	7,10	5,33	5,55	6,10	6,70
	2	5,33	5,75	6,40	6,80	5,13	5,63	6,13	6,83	5,85	6,13	6,65	7,13
	3	5,13	5,50	5,95	6,52	4,90	5,23	5,85	6,25	4,93	5,25	5,93	6,53
	Rata-rata ± SD	**5,18 ± 0,12**	**5,75 ± 0,25**	**6,13 ± 0,24**	**6,66 ± 0,14**	**5,09 ±0,18**	**5,43 ±0,20**	**5,90 ±0,20**	**6,73 ±0,43**	**5,37 ±0,46**	**5,64 ±0,44**	**6,23 ±0,38**	**6,78 ±0,31**
F2	**1**	4,75	5,23	5,98	6,23	4,80	5,13	5,50	6,25	4,95	6,13	6,42	6,53
	2	4,63	5,13	5,55	6,13	4,90	5,15	5,68	6,25	5,00	6,15	6,23	6,68
	3	4,97	5,68	6,10	6,35	5,13	5,68	6,00	6,33	5,13	5,43	5,95	6,22
	Rata-rata ± SD	**4,78 ± 0,17**	**5,34 ± 0,29**	**5,88 ± 0,29**	**6,23 ± 0,11**	**4,94 ±0,17**	**5,32 ±0,31**	**5,72 ±0,25**	**6,28 ±0,04**	**5,03 ±0,09**	**5,90 ±0,41**	**6,20 ±0,23**	**6,47 ±0,23**
F3	**1**	4,10	4,90	5,26	5,70	4,33	4,55	5,05	5,38	5,05	5,35	5,73	6,10
	2	4,22	4,68	5,30	5,95	4,83	5,13	5,68	6,10	5,13	5,25	6,13	6,50
	3	4,45	4,93	5,23	6,05	4,90	5,25	5,80	6,20	4,85	5,15	5,20	5,80
	Rata-rata ± SD	**4,26 ± 0,18**	**4,83 ± 0,14**	**5,26 ± 0,04**	**5,90 ± 0,18**	**4,68 ±0,31**	**4,98 ±0,37**	**5,51 ±0,40**	**5,89 ±0,45**	**5,01 ±0,14**	**5,25 ±0,10**	**5,68 ±0,46**	**6,13 ±0,35**
F4	**1**	5,13	5,70	6,50	6,80	5,40	5,88	6,40	6,68	5,70	5,93	6,23	6,92
	2	5,22	5,20	6,10	6,45	5,35	5,70	6,20	6,55	5,13	5,53	5,83	6,22
	3	5,63	5,68	6,20	6,41	5,45	5,88	6,35	6,53	5,68	6,05	6,63	7,10
	Rata-rata ± SD	**5,32 ± 0,27**	**5,53 ± 0,28**	**6,27 ± 0,21**	**6,55 ± 0,21**	**5,40 ±0,05**	**5,82 ±0,10**	**6,32 ±0,10**	**6,58 ±0,08**	**5,50 ±0,33**	**5,84 ±0,27**	**6,23 ±0,40**	**6,74 ±0,47**

9.7 Daya proteksi

Sediaan	Replikasi	Daya proteksi (detik)					
		Siklus 1	Siklus 2	Siklus 3	Siklus 4	Siklus 5	Siklus 6
Krim ekstrak daun bayam 0,5%	1	12,63	12,18	10,95	9,81	10,91	11,50
	2	15,27	13,40	11,89	10,57	9,62	8,76
	3	12,82	10,64	11,33	10,10	11,45	9,36
	Rata-rata ± SD	**13,57 ±1,47**	**12,07 ±1,38**	**11,39 ±0,47**	**10,16 ±0,38**	**10,66 ±0,94**	**9,87 ±1,44**
Krim ekstrak daun bayam 1%	1	19,51	20,56	19,11	22,20	20,61	18,35
	2	20,96	24,02	19,43	21,23	19,28	17,57
	3	24,77	17,94	24,07	18,97	18,93	18,93
	Rata-rata ± SD	**21,75 ±2,72**	**20,84 ±3,05**	**20,87 ±2,78**	**20,80 ±1,66**	**19,61 ±0,89**	**18,28 ±0,68**
Krim ekstrak daun bayam 2%	1	25,20	22,98	21,21	20,06	21,14	19,86
	2	25,33	23,71	24,37	23,29	21,93	17,73
	3	28,97	26,54	24,63	22,70	20,11	19,99
	Rata-rata ± SD	**26,50 ±2,14**	**24,41 ±1,88**	**23,40 ±1,90**	**22,02 ±1,72**	**21,06 ±0,91**	**19,19 ±1,27**
Krim kontrol negatif	1	7,66	9,10	10,01	7,54	7,18	5,87
	2	6,88	10,24	7,44	6,86	6,57	6,12
	3	9,23	6,17	6,79	8,00	6,04	6,53
	Rata-rata ± SD	**7,92 ±1,20**	**8,50 ±2,10**	**8,08 ±1,70**	**7,47 ±0,57**	**6,60 ±0,57**	**6,17 ±0,33**

Lampiran 7. Data hasil analisis statistika uji mutu fisik dan stabilitas

7.1 pH

Tests of Normality

Krim		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
minggu 1	krim ekstrak 0,5%	,314	3	.	,893	3	,363
	krim ekstrak 1%	,253	3	.	,964	3	,637
	krim ekstrak 2%	,175	3	.	1,000	3	1,000
	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	1,527	3	,509	1796,118	,000
Within Groups	,002	8	,000		
Total	1,529	11			

Multiple Comparisons

Dependent Variable: minggu1
Tukey HSD

(I) krim	(J) krim	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
krim ekstrak 0,5%	krim ekstrak 1%	-,13333*	,01374	,000	-,1773	-,0893
	krim ekstrak 2%	-,29000*	,01374	,000	-,3340	-,2460
	krim kontrol negatif	-,93000*	,01374	,000	-,9740	-,8860
krim ekstrak 1%	krim ekstrak 0,5%	,13333*	,01374	,000	,0893	,1773
	krim ekstrak 2%	-,15667*	,01374	,000	-,2007	-,1127
	krim kontrol negatif	-,79667*	,01374	,000	-,8407	-,7527
krim ekstrak 2%	krim ekstrak 0,5%	,29000*	,01374	,000	,2460	,3340
	krim ekstrak 1%	,15667*	,01374	,000	,1127	,2007
	krim kontrol negatif	-,64000*	,01374	,000	-,6840	-,5960
krim kontrol negatif	krim ekstrak 0,5%	,93000*	,01374	,000	,8860	,9740
	krim ekstrak 1%	,79667*	,01374	,000	,7527	,8407
	krim ekstrak 2%	,64000*	,01374	,000	,5960	,6840

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

minggu1

Tukey HSDa

Krim	N	Subset for alpha = 0.05 1	2	3	4
krim ekstrak 0,5%	3	4,7200			
krim ekstrak 1%	3		4,8533		
krim ekstrak 2%	3			5,0100	
krim kontrol negatif	3				5,6500
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.

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Krim	Statistic	df	Sig.	Statistic	df	Sig.
minggu2	krim ekstrak 0,5%	,175	3	.	1,000	3	1,000
	krim ekstrak 1%	,175	3	.	1,000	3	1,000
	krim ekstrak 2%	,292	3	.	,923	3	,463
	krim kontrol negatif	,292	3	.	,923	3	,463

a. Lilliefors Significance Correction

ANOVA

minggu2

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1,525	3	,508	177,271	,000
Within Groups	,023	8	,003		
Total	1,547	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 0,5%	krim ekstrak 1%	-,14000*	,04372	,050	-,2800	,0000
	krim ekstrak 2%	-,31333*	,04372	,000	-,4533	-,1733
	krim kontrol negatif	-,93333*	,04372	,000	-1,0733	-,7933
krim ekstrak 1%	krim ekstrak 0,5%	,14000*	,04372	,050	,0000	,2800
	krim ekstrak 2%	-,17333*	,04372	,017	-,3133	-,0333
	krim kontrol negatif	-,79333*	,04372	,000	-,9333	-,6533
krim ekstrak 2%	krim ekstrak 0,5%	,31333*	,04372	,000	,1733	,4533
	krim ekstrak 1%	,17333*	,04372	,017	,0333	,3133
	krim kontrol negatif	-,62000*	,04372	,000	-,7600	-,4800
krim kontrol negatif	krim ekstrak 0,5%	,93333*	,04372	,000	,7933	1,0733
	krim ekstrak 1%	,79333*	,04372	,000	,6533	,9333
	krim ekstrak 2%	,62000*	,04372	,000	,4800	,7600

*. 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 ekstrak 0,5%	3	4,7200			
krim ekstrak 1%	3		4,8600		
krim ekstrak 2%	3			5,0333	
krim kontrol negatif	3				5,6533
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.

7.2 Viskositas

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Krim	Statistic	df	Sig.	Statistic	df	Sig.
minggu1	krim ekstrak 0,5%	,253	3	.	,964	3	,637
	krim ekstrak 1%	,253	3	.	,964	3	,637
	krim ekstrak 2%	,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	2,727	3	,909	1298,679	,000
Within Groups	,006	8	,001		
Total	2,733	11			

Multiple Comparisons

Dependent Variable: minggu1

Tukey HSD

(I) krim	(J) krim	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
krim ekstrak 0,5%	krim ekstrak 1%	-,21000*	,02160	,000	-,2792	-,1408
	krim ekstrak 2%	-1,12000*	,02160	,000	-1,1892	-1,0508
	krim kontrol negatif	,07333*	,02160	,038	,0042	,1425
krim ekstrak 1%	krim ekstrak 0,5%	,21000*	,02160	,000	,1408	,2792
	krim ekstrak 2%	-,91000*	,02160	,000	-,9792	-,8408
	krim kontrol negatif	,28333*	,02160	,000	,2142	,3525
krim ekstrak 2%	krim ekstrak 0,5%	1,12000*	,02160	,000	1,0508	1,1892
	krim ekstrak 1%	,91000*	,02160	,000	,8408	,9792
	krim kontrol negatif	1,19333*	,02160	,000	1,1242	1,2625
krim kontrol negatif	krim ekstrak 0,5%	-,07333*	,02160	,038	-,1425	-,0042
	krim ekstrak 1%	-,28333*	,02160	,000	-,3525	-,2142
	krim ekstrak 2%	-1,19333*	,02160	,000	-1,2625	-1,1242

*. 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	2,1800			
krim ekstrak 0,5%	3		2,2533		
krim ekstrak 1%	3			2,4633	
krim ekstrak 2%	3				3,3733
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.

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	krim	Statistic	df	Sig.	Statistic	df	Sig.
minggu2	krim ekstrak 0,5%	,253	3	.	,964	3	,637
	krim ekstrak 1%	,175	3	.	1,000	3	1,000
	krim ekstrak 2%	,253	3	.	,964	3	,637
	krim kontrol negatif	,232	3	.	,980	3	,726

a. Lilliefors Significance Correction

ANOVA

minggu2

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2,708	3	,903	1444,102	,000
Within Groups	,005	8	,001		
Total	2,713	11			

Multiple Comparisons

Dependent Variable: minggu2

Tukey HSD

(I) krim	(J) krim	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
krim ekstrak 0,5%	krim ekstrak 1%	-,21667*	,02041	,000	-,2820	-,1513
	krim ekstrak 2%	-1,12000*	,02041	,000	-1,1854	-1,0546
	krim kontrol negatif	,06667*	,02041	,046	,0013	,1320
krim ekstrak 1%	krim ekstrak 0,5%	,21667*	,02041	,000	,1513	,2820
	krim ekstrak 2%	-,90333*	,02041	,000	-,9687	-,8380
	krim kontrol negatif	,28333*	,02041	,000	,2180	,3487
krim ekstrak 2%	krim ekstrak 0,5%	1,12000*	,02041	,000	1,0546	1,1854
	krim ekstrak 1%	,90333*	,02041	,000	,8380	,9687
	krim kontrol negatif	1,18667*	,02041	,000	1,1213	1,2520
krim kontrol negatif	krim ekstrak 0,5%	-,06667*	,02041	,046	-,1320	-,0013
	krim ekstrak 1%	-,28333*	,02041	,000	-,3487	-,2180
	krim ekstrak 2%	-1,18667*	,02041	,000	-1,2520	-1,1213

*. 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	2,1767			
krim ekstrak 0,5%	3		2,2433		
krim ekstrak 1%	3			2,4600	
krim ekstrak 2%	3				3,3633
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.

7.3 Daya lekat

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Krim	Statistic	df	Sig.	Statistic	df	Sig.
minggu1	krim ekstrak 0,5%	,292	3	.	,923	3	,463
	krim ekstrak 1%	,346	3	.	,837	3	,206
	krim ekstrak 2%	,184	3	.	,999	3	,927
	krim kontrol negatif	,230	3	.	,981	3	,736

a. Lilliefors Significance Correction

ANOVA

minggu1

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4,260	3	1,420	86,727	,000
Within Groups	,131	8	,016		
Total	4,391	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 0,5%	krim ekstrak 1%	-,60333*	,10448	,002	-,9379	-,2687
	krim ekstrak 2%	-,76333*	,10448	,000	-1,0979	-,4287
	krim kontrol negatif	,75333*	,10448	,000	,4187	1,0879
krim ekstrak 1%	krim ekstrak 0,5%	,60333*	,10448	,002	,2687	,9379
	krim ekstrak 2%	-,16000	,10448	,464	-,4946	,1746
	krim kontrol negatif	1,35667*	,10448	,000	1,0221	1,6913
krim ekstrak 2%	krim ekstrak 0,5%	,76333*	,10448	,000	,4287	1,0979
	krim ekstrak 1%	,16000	,10448	,464	-,1746	,4946
	krim kontrol negatif	1,51667*	,10448	,000	1,1821	1,8513
krim kontrol negatif	krim ekstrak 0,5%	-,75333*	,10448	,000	-1,0879	-,4187
	krim ekstrak 1%	-1,35667*	,10448	,000	-1,6913	-1,0221
	krim ekstrak 2%	-1,51667*	,10448	,000	-1,8513	-1,1821

*. 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	1,7067		
krim ekstrak 0,5%	3		2,4600	
krim ekstrak 1%	3			3,0633
krim ekstrak 2%	3			3,2233
Sig.		1,000	1,000	,464

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	krim	Statistic	df	Sig.	Statistic	df	Sig.
minggu2	krim ekstrak 0,5%	,364	3	.	,800	3	,114
	krim ekstrak 1%	,343	3	.	,842	3	,220
	krim ekstrak 2%	,314	3	.	,893	3	,363
	krim kontrol negatif	,178	3	.	,999	3	,956

a. Lilliefors Significance Correction

ANOVA
minggu2

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3,662	3	1,221	34,739	,000
Within Groups	,281	8	,035		
Total	3,943	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 0,5%	krim ekstrak 1%	-,59667*	,15306	,019	-1,0868	-,1065
	krim ekstrak 2%	-,62667*	,15306	,015	-1,1168	-,1365
	krim kontrol negatif	,73000*	,15306	,006	,2398	1,2202
krim ekstrak 1%	krim ekstrak 0,5%	,59667*	,15306	,019	,1065	1,0868
	krim ekstrak 2%	-,03000	,15306	,997	-,5202	,4602
	krim kontrol negatif	1,32667*	,15306	,000	,8365	1,8168
krim ekstrak 2%	krim ekstrak 0,5%	,62667*	,15306	,015	,1365	1,1168
	krim ekstrak 1%	,03000	,15306	,997	-,4602	,5202
	krim kontrol negatif	1,35667*	,15306	,000	,8665	1,8468
krim kontrol negatif	krim ekstrak 0,5%	-,73000*	,15306	,006	-1,2202	-,2398
	krim ekstrak 1%	-1,32667*	,15306	,000	-1,8168	-,8365
	krim ekstrak 2%	-1,35667*	,15306	,000	-1,8468	-,8665

*. 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	1,7133		
krim ekstrak 0,5%	3		2,4433	
krim ekstrak 1%	3			3,0400
krim ekstrak 2%	3			3,0700
Sig.		1,000	1,000	,997

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 3,000.

7.4 Daya sebar

Minggu ke-1

Beban 0 gram

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Krim	Statistic	Df	Sig.	Statistic	df	Sig.
minggu1	krim ekstrak 0,5%	,175	3	.	1,000	3	1,000
	krim ekstrak 1%	,175	3	.	1,000	3	1,000
	krim ekstrak 2%	,180	3	.	,999	3	,945
	krim kontrol negatif	,196	3	.	,996	3	,878

a. Lilliefors Significance Correction

ANOVA

minggu1

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	7,871	3	2,624	45,476	,000
Within Groups	,462	8	,058		
Total	8,332	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 0,5%	krim ekstrak 1%	,63000*	,19612	,049	,0020	1,2580
	krim ekstrak 2%	1,48667*	,19612	,000	,8586	2,1147
	krim kontrol negatif	-,71333*	,19612	,027	-1,3414	-,0853
krim ekstrak 1%	krim ekstrak 0,5%	-,63000*	,19612	,049	-1,2580	-,0020
	krim ekstrak 2%	,85667*	,19612	,010	,2286	1,4847
	krim kontrol negatif	-1,34333*	,19612	,001	-1,9714	-,7153
krim ekstrak 2%	krim ekstrak 0,5%	-1,48667*	,19612	,000	-2,1147	-,8586
	krim ekstrak 1%	-,85667*	,19612	,010	-1,4847	-,2286
	krim kontrol negatif	-2,20000*	,19612	,000	-2,8280	-1,5720
krim kontrol negatif	krim ekstrak 0,5%	,71333*	,19612	,027	,0853	1,3414
	krim ekstrak 1%	1,34333*	,19612	,001	,7153	1,9714
	krim ekstrak 2%	2,20000*	,19612	,000	1,5720	2,8280

*. 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%	3	4,6433			
krim ekstrak 1%	3		5,5000		
krim ekstrak 0,5%	3			6,1300	
krim kontrol negatif	3				6,8433
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.

Beban 50 gram

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Krim	Statistic	df	Sig.	Statistic	df	Sig.
minggu1	krim ekstrak 0,5%	,253	3	.	,964	3	,637
	krim ekstrak 1%	,272	3	.	,947	3	,554
	krim ekstrak 2%	,177	3	.	1,000	3	,972
	krim kontrol negatif	,232	3	.	,980	3	,726

a. Lilliefors Significance Correction

ANOVA

minggu1

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	6,608	3	2,203	46,462	,000
Within Groups	,379	8	,047		
Total	6,987	11			

Multiple Comparisons

Dependent Variable: minggu1

Tukey HSD

		Mean			95% Confidence Interval	
(I) krim	(J) krim	Difference (I-J)	Std. Error	Sig.	Lower Bound	Upper Bound
krim ekstrak 0,5%	krim ekstrak 1%	,63667*	,17778	,029	,0674	1,2060
	krim ekstrak 2%	1,32000*	,17778	,000	,7507	1,8893
	krim kontrol negatif	-,68000*	,17778	,021	-1,2493	-,1107
krim ekstrak 1%	krim ekstrak 0,5%	-,63667*	,17778	,029	-1,2060	-,0674
	krim ekstrak 2%	,68333*	,17778	,021	,1140	1,2526
	krim kontrol negatif	-1,31667*	,17778	,000	-1,8860	-,7474
krim ekstrak 2%	krim ekstrak 0,5%	-1,32000*	,17778	,000	-1,8893	-,7507
	krim ekstrak 1%	-,68333*	,17778	,021	-1,2526	-,1140
	krim kontrol negatif	-2,00000*	,17778	,000	-2,5693	-1,4307
krim kontrol negatif	krim ekstrak 0,5%	,68000*	,17778	,021	,1107	1,2493
	krim ekstrak 1%	1,31667*	,17778	,000	,7474	1,8860
	krim ekstrak 2%	2,00000*	,17778	,000	1,4307	2,5693

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

minggu1

Tukey HSD[a]

		Subset for alpha = 0.05			
Krim	N	1	2	3	4
krim ekstrak 2%	3	4,9433			
krim ekstrak 1%	3		5,6267		
krim ekstrak 0,5%	3			6,2633	
krim kontrol negatif	3				6,9433
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.

Beban 100 gram

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	krim	Statistic	df	Sig.	Statistic	df	Sig.
minggu1	krim ekstrak 0,5%	,276	3	.	,942	3	,537
	krim ekstrak 1%	,292	3	.	,923	3	,463
	krim ekstrak 2%	,303	3	.	,908	3	,413
	krim kontrol negatif	,285	3	.	,932	3	,497

a. Lilliefors Significance Correction

ANOVA

minggu1

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	8,183	3	2,728	41,265	,000
Within Groups	,529	8	,066		
Total	8,712	11			

Multiple Comparisons

Dependent Variable: minggu1

Tukey HSD

(I) krim	(J) krim	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
krim ekstrak 0,5%	krim ekstrak 1%	,50667	,20992	,152	-,1656	1,1789
	krim ekstrak 2%	1,26667*	,20992	,001	,5944	1,9389
	krim kontrol negatif	-1,00667*	,20992	,006	-1,6789	-,3344
krim ekstrak 1%	krim ekstrak 0,5%	-,50667	,20992	,152	-1,1789	,1656
	krim ekstrak 2%	,76000*	,20992	,028	,0878	1,4322
	krim kontrol negatif	-1,51333*	,20992	,000	-2,1856	-,8411
krim ekstrak 2%	krim ekstrak 0,5%	-1,26667*	,20992	,001	-1,9389	-,5944
	krim ekstrak 1%	-,76000*	,20992	,028	-1,4322	-,0878
	krim kontrol negatif	-2,27333*	,20992	,000	-2,9456	-1,6011
krim kontrol negatif	krim ekstrak 0,5%	1,00667*	,20992	,006	,3344	1,6789
	krim ekstrak 1%	1,51333*	,20992	,000	,8411	2,1856
	krim ekstrak 2%	2,27333*	,20992	,000	1,6011	2,9456

*. 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 ekstrak 2%	3	5,1033		
krim ekstrak 1%	3		5,8633	
krim ekstrak 0,5%	3		6,3700	
krim kontrol negatif	3			7,3767
Sig.		1,000	,152	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

Beban 150 gram

Tests of Normality

	krim	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
minggu 1	krim ekstrak 0,5%	,365	3	.	,797	3	,107
	krim ekstrak 1%	,191	3	.	,997	3	,900
	krim ekstrak 2%	,347	3	.	,834	3	,200
	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	7,539	3	2,513	49,993	,000
Within Groups	,402	8	,050		
Total	7,941	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 0,5%	krim ekstrak 1%	,60000*	,18306	,045	,0138	1,1862
	krim ekstrak 2%	1,36667*	,18306	,000	,7804	1,9529
	krim kontrol negatif	-,79333*	,18306	,011	-1,3796	-,2071
krim ekstrak 1%	krim ekstrak 0,5%	-,60000*	,18306	,045	-1,1862	-,0138
	krim ekstrak 2%	,76667*	,18306	,013	,1804	1,3529
	krim kontrol negatif	-1,39333*	,18306	,000	-1,9796	-,8071
krim ekstrak 2%	krim ekstrak 0,5%	-1,36667*	,18306	,000	-1,9529	-,7804
	krim ekstrak 1%	-,76667*	,18306	,013	-1,3529	-,1804
	krim kontrol negatif	-2,16000*	,18306	,000	-2,7462	-1,5738
krim kontrol negatif	krim ekstrak 0,5%	,79333*	,18306	,011	,2071	1,3796
	krim ekstrak 1%	1,39333*	,18306	,000	,8071	1,9796
	krim ekstrak 2%	2,16000*	,18306	,000	1,5738	2,7462

*. 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%	3	5,4700			
krim ekstrak 1%	3		6,2367		
krim ekstrak 0,5%	3			6,8367	
krim kontrol negatif	3				7,6300
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.

Minggu ke-2

Beban 0 gram

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Krim	Statistic	Df	Sig.	Statistic	df	Sig.
Minggu 2	krim ekstrak 0,5%	,276	3	.	,942	3	,537
	krim ekstrak 1%	,253	3	.	,964	3	,637
	krim ekstrak 2%	,314	3	.	,893	3	,363
	krim kontrol negatif	,213	3	.	,990	3	,806

a. Lilliefors Significance Correction

ANOVA

minggu2

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	6,122	3	2,041	39,357	,000
Within Groups	,415	8	,052		
Total	6,537	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 0,5%	krim ekstrak 1%	,52000	,18592	,089	-,0754	1,1154
	krim ekstrak 2%	1,30000*	,18592	,001	,7046	1,8954
	krim kontrol negatif	-,65000*	,18592	,033	-1,2454	-,0546
krim ekstrak 1%	krim ekstrak 0,5%	-,52000	,18592	,089	-1,1154	,0754
	krim ekstrak 2%	,78000*	,18592	,013	,1846	1,3754
	krim kontrol negatif	-1,17000*	,18592	,001	-1,7654	-,5746
krim ekstrak 2%	krim ekstrak 0,5%	-1,30000*	,18592	,001	-1,8954	-,7046
	krim ekstrak 1%	-,78000*	,18592	,013	-1,3754	-,1846
	krim kontrol negatif	-1,95000*	,18592	,000	-2,5454	-1,3546
krim kontrol negatif	krim ekstrak 0,5%	,65000*	,18592	,033	,0546	1,2454
	krim ekstrak 1%	1,17000*	,18592	,001	,5746	1,7654
	krim ekstrak 2%	1,95000*	,18592	,000	1,3546	2,5454

*. 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 ekstrak 2%	3	4,7700		
krim ekstrak 1%	3		5,5500	
krim ekstrak 0,5%	3		6,0700	
krim kontrol negatif	3			6,7200
Sig.		1,000	,089	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

Beban 50 gram

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Krim	Statistic	df	Sig.	Statistic	df	Sig.
minggu 2	krim ekstrak 0,5%	,232	3	.	,980	3	,726
	krim ekstrak 1%	,196	3	.	,996	3	,878
	krim ekstrak 2%	,353	3	.	,824	3	,174
	krim kontrol negatif	,328	3	.	,871	3	,298

a. Lilliefors Significance Correction

ANOVA

minggu2

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4,953	3	1,651	46,494	,000
Within Groups	,284	8	,036		
Total	5,237	11			

Multiple Comparisons

Dependent Variable: minggu2

Tukey HSD

(I) krim	(J) krim	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
krim ekstrak 0,5%	krim ekstrak 1%	,47667	,15386	,058	-,0160	,9694
	krim ekstrak 2%	1,10000*	,15386	,000	,6073	1,5927
	krim kontrol negatif	-,65333*	,15386	,012	-1,1460	-,1606
krim ekstrak 1%	krim ekstrak 0,5%	-,47667	,15386	,058	-,9694	,0160
	krim ekstrak 2%	,62333*	,15386	,016	,1306	1,1160
	krim kontrol negatif	-1,13000*	,15386	,000	-1,6227	-,6373
krim ekstrak 2%	krim ekstrak 0,5%	-1,10000*	,15386	,000	-1,5927	-,6073
	krim ekstrak 1%	-,62333*	,15386	,016	-1,1160	-,1306
	krim kontrol negatif	-1,75333*	,15386	,000	-2,2460	-1,2606
krim kontrol negatif	krim ekstrak 0,5%	,65333*	,15386	,012	,1606	1,1460
	krim ekstrak 1%	1,13000*	,15386	,000	,6373	1,6227
	krim ekstrak 2%	1,75333*	,15386	,000	1,2606	2,2460

*. 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 ekstrak 2%	3	5,2033		
krim ekstrak 1%	3		5,8267	
krim ekstrak 0,5%	3		6,3033	
krim kontrol negatif	3			6,9567
Sig.		1,000	,058	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

Beban 100 gram

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	krim	Statistic	df	Sig.	Statistic	df	Sig.
minggu2	krim ekstrak 0,5%	,269	3	.	,949	3	,567
	krim ekstrak 1%	,236	3	.	,977	3	,710
	krim ekstrak 2%	,253	3	.	,964	3	,637
	krim kontrol negatif	,235	3	.	,978	3	,716

a. Lilliefors Significance Correction

ANOVA

minggu2

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	5,868	3	1,956	47,000	,000
Within Groups	,333	8	,042		
Total	6,201	11			

Multiple Comparisons

Dependent Variable: minggu2
Tukey HSD

(I) krim	(J) krim	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
krim ekstrak 0,5%	krim ekstrak 1%	,40000	,16657	,154	-,1334	,9334
	krim ekstrak 2%	1,14333*	,16657	,001	,6099	1,6767
	krim kontrol negatif	-,79333*	,16657	,006	-1,3267	-,2599
krim ekstrak 1%	krim ekstrak 0,5%	-,40000	,16657	,154	-,9334	,1334
	krim ekstrak 2%	,74333*	,16657	,009	,2099	1,2767
	krim kontrol negatif	-1,19333*	,16657	,000	-1,7267	-,6599
krim ekstrak 2%	krim ekstrak 0,5%	-1,14333*	,16657	,001	-1,6767	-,6099
	krim ekstrak 1%	-,74333*	,16657	,009	-1,2767	-,2099
	krim kontrol negatif	-1,93667*	,16657	,000	-2,4701	-1,4033
krim kontrol negatif	krim ekstrak 0,5%	,79333*	,16657	,006	,2599	1,3267
	krim ekstrak 1%	1,19333*	,16657	,000	,6599	1,7267
	krim ekstrak 2%	1,93667*	,16657	,000	1,4033	2,4701

*. 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 ekstrak 2%	3	5,4167		
krim ekstrak 1%	3		6,1600	
krim ekstrak 0,5%	3		6,5600	
krim kontrol negatif	3			7,3533
Sig.		1,000	,154	1,000

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 3,000.

Beban 150 gram

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	krim	Statistic	df	Sig.	Statistic	df	Sig.
minggu2	krim ekstrak 0,5%	,276	3	.	,942	3	,537
	krim ekstrak 1%	,227	3	.	,983	3	,747
	krim ekstrak 2%	,379	3	.	,764	3	,052
	krim kontrol negatif	,372	3	.	,783	3	,073

a. Lilliefors Significance Correction

ANOVA

minggu2

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	7,881	3	2,627	59,899	,000
Within Groups	,351	8	,044		
Total	8,232	11			

Multiple Comparisons

Dependent Variable: minggu2

Tukey HSD

(I) krim	(J) krim	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
krim ekstrak 0,5%	krim ekstrak 1%	,59000*	,17099	,035	,0424	1,1376
	krim ekstrak 2%	1,17333*	,17099	,001	,6258	1,7209
	krim kontrol negatif	-1,02000*	,17099	,002	-1,5676	-,4724
krim ekstrak 1%	krim ekstrak 0,5%	-,59000*	,17099	,035	-1,1376	-,0424
	krim ekstrak 2%	,58333*	,17099	,037	,0358	1,1309
	krim kontrol negatif	-1,61000*	,17099	,000	-2,1576	-1,0624
krim ekstrak 2%	krim ekstrak 0,5%	-1,17333*	,17099	,001	-1,7209	-,6258
	krim ekstrak 1%	-,58333*	,17099	,037	-1,1309	-,0358
	krim kontrol negatif	-2,19333*	,17099	,000	-2,7409	-1,6458
krim kontrol negatif	krim ekstrak 0,5%	1,02000*	,17099	,002	,4724	1,5676
	krim ekstrak 1%	1,61000*	,17099	,000	1,0624	2,1576
	krim ekstrak 2%	2,19333*	,17099	,000	1,6458	2,7409

*. 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 ekstrak 2%	3	5,7867			
krim ekstrak 1%	3		6,3700		
krim ekstrak 0,5%	3			6,9600	
krim kontrol negatif	3				7,9800
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.

7.5 Daya proteksi

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	krim	Statistic	Df	Sig.	Statistic	Df	Sig.
minggu1	krim ekstrak 0,5%	,213	3	.	,990	3	,809
	krim ekstrak 1%	,354	3	.	,820	3	,164
	krim ekstrak 2%	,374	3	.	,776	3	,058
	krim kontrol negatif	,175	3	.	1,000	3	,990

a. Lilliefors Significance Correction

ANOVA

minggu1

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	616,406	3	205,469	38,011	,000
Within Groups	43,244	8	5,405		
Total	659,650	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 0,5%	krim ekstrak 1%	-8,75333*	1,89833	,008	-14,8324	-2,6742
	krim ekstrak 2%	-14,17333*	1,89833	,000	-20,2524	-8,0942
	krim kontrol negative	4,08667	1,89833	,216	-1,9924	10,1658
krim ekstrak 1%	krim ekstrak 0,5%	8,75333*	1,89833	,008	2,6742	14,8324
	krim ekstrak 2%	-5,42000	1,89833	,082	-11,4991	,6591
	krim kontrol negative	12,84000*	1,89833	,001	6,7609	18,9191
krim ekstrak 2%	krim ekstrak 0,5%	14,17333*	1,89833	,000	8,0942	20,2524
	krim ekstrak 1%	5,42000	1,89833	,082	-,6591	11,4991
	krim kontrol negative	18,26000*	1,89833	,000	12,1809	24,3391
krim kontrol negatif	krim ekstrak 0,5%	-4,08667	1,89833	,216	-10,1658	1,9924
	krim ekstrak 1%	-12,84000*	1,89833	,001	-18,9191	-6,7609
	krim ekstrak 2%	-18,26000*	1,89833	,000	-24,3391	-12,1809

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

minggu1

Tukey HSD[a]

Krim	N	Subset for alpha = 0.05	
		1	2
krim kontrol negatif	3	8,2400	
krim ekstrak 0,5%	3	12,3267	
krim ekstrak 1%	3		21,0800
krim ekstrak 2%	3		26,5000
Sig.		,216	,082

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	krim	Statistic	df	Sig.	Statistic	df	Sig.
minggu2	krim ekstrak 0,5%	,273	3	.	,945	3	,548
	krim ekstrak 1%	,380	3	.	,762	3	,057
	krim ekstrak 2%	,292	3	.	,923	3	,463
	krim kontrol negatif	,364	3	.	,799	3	,112

a. Lilliefors Significance Correction

ANOVA

minggu2

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	665,254	3	221,751	86,508	,000
Within Groups	20,507	8	2,563		
Total	685,761	11			

Multiple Comparisons

Dependent Variable: minggu2

Tukey HSD

(I) krim	(J) krim	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
krim ekstrak 0,5%	krim ekstrak 1%	-10,54000*	1,30725	,000	-14,7263	-6,3537
	krim ekstrak 2%	-13,45333*	1,30725	,000	-17,6396	-9,2670
	krim kontrol negatif	4,73333*	1,30725	,028	,5470	8,9196
krim ekstrak 1%	krim ekstrak 0,5%	10,54000*	1,30725	,000	6,3537	14,7263
	krim ekstrak 2%	-2,91333	1,30725	,195	-7,0996	1,2730
	krim kontrol negatif	15,27333*	1,30725	,000	11,0870	19,4596
krim ekstrak 2%	krim ekstrak 0,5%	13,45333*	1,30725	,000	9,2670	17,6396
	krim ekstrak 1%	2,91333	1,30725	,195	-1,2730	7,0996
	krim kontrol negatif	18,18667*	1,30725	,000	14,0004	22,3730
krim kontrol negatif	krim ekstrak 0,5%	-4,73333*	1,30725	,028	-8,9196	-,5470
	krim ekstrak 1%	-15,27333*	1,30725	,000	-19,4596	-11,0870
	krim ekstrak 2%	-18,18667*	1,30725	,000	-22,3730	-14,0004

*. 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	5,9467		
krim ekstrak 0,5%	3		10,6800	
krim ekstrak 1%	3			21,2200
krim ekstrak 2%	3			24,1333
Sig.		1,000	1,000	,195

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

7.6 Stabilitas pH

7.6.1 Krim ekstrak daun bayam merah 0,5%

8

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	Df	Sig.	Statistic	df	Sig.
Standardized Residual for siklus1	,253	3	.	,964	3	,637
Standardized Residual for siklus2	,292	3	.	,923	3	,463
Standardized Residual for siklus3	,292	3	.	,923	3	,463
Standardized Residual for siklus4	,175	3	.	1,000	3	1,000
Standardized Residual for siklus5	,328	3	.	,871	3	,298
Standardized Residual for siklus6	,196	3	.	,996	3	,878

Tests of Within-Subjects Effects

Measure: pH

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	,019	5	,004	3,756	,036
	Greenhouse-Geisser	,019	1,971	,010	3,756	,122
	Huynh-Feldt	,019	5,000	,004	3,756	,036
	Lower-bound	,019	1,000	,019	3,756	,192
Error (siklus)	Sphericity Assumed	,010	10	,001		
	Greenhouse-Geisser	,010	3,942	,003		
	Huynh-Feldt	,010	10,000	,001		
	Lower-bound	,010	2,000	,005		

8.1.1 Krim ekstrak daun bayam merah 1%

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	,253	3	.	,964	3	,637
Standardized Residual for siklus3	,385	3	.	,750	3	,000
Standardized Residual for siklus4	,175	3	.	1,000	3	1,000
Standardized Residual for siklus5	,219	3	.	,987	3	,780
Standardized Residual for siklus6	,219	3	.	,987	3	,780

Tests of Within-Subjects Effects

Measure: pH

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	,017	5	,003	9,036	,002
	Greenhouse-Geisser	,017	1,429	,012	9,036	,060
	Huynh-Feldt	,017	4,008	,004	9,036	,005
	Lower-bound	,017	1,000	,017	9,036	,095
Error (siklus)	Sphericity Assumed	,004	10	,000		
	Greenhouse-Geisser	,004	2,858	,001		
	Huynh-Feldt	,004	8,015	,000		
	Lower-bound	,004	2,000	,002		

8.1.2 Krim ekstrak daun bayam merah 2%

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for siklus1	,232	3	.	,980	3	,726
Standardized Residual for siklus2	,219	3	.	,987	3	,780
Standardized Residual for siklus3	,314	3	.	,893	3	,363
Standardized Residual for siklus4	,253	3	.	,964	3	,637
Standardized Residual for siklus5	,292	3	.	,923	3	,463
Standardized Residual for siklus6	,219	3	.	,987	3	,780

Tests of Within-Subjects Effects

Measure: pH

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	,173	5	,035	15,615	,000
	Greenhouse-Geisser	,173	1,934	,089	15,615	,014
	Huynh-Feldt	,173	5,000	,035	15,615	,000
	Lower-bound	,173	1,000	,173	15,615	,058
Error (siklus)	Sphericity Assumed	,022	10	,002		
	Greenhouse-Geisser	,022	3,868	,006		
	Huynh-Feldt	,022	10,000	,002		
	Lower-bound	,022	2,000	,011		

8.1.3 Krim kontrol negatif

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for siklus1	,253	3	.	,964	3	,637
Standardized Residual for siklus2	,253	3	.	,964	3	,637
Standardized Residual for siklus3	,292	3	.	,923	3	,463
Standardized Residual for siklus4	,337	3	.	,855	3	,253
Standardized Residual for siklus5	,175	3	.	1,000	3	1,000
Standardized Residual for siklus6	,269	3	.	,949	3	,567

Tests of Within-Subjects Effects

Measure: pH

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	,021	5	,004	3,262	,053
	Greenhouse-Geisser	,021	1,824	,011	3,262	,154
	Huynh-Feldt	,021	5,000	,004	3,262	,053
	Lower-bound	,021	1,000	,021	3,262	,213
Error (siklus)	Sphericity Assumed	,013	10	,001		
	Greenhouse-Geisser	,013	3,647	,003		
	Huynh-Feldt	,013	10,000	,001		
	Lower-bound	,013	2,000	,006		

8.2 Stabilitas Viskositas

8.2.1 Krim ekstrak daun bayam merah 0,5%

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for siklus1	,253	3	.	,964	3	,637
Standardized Residual for siklus2	,253	3	.	,964	3	,637
Standardized Residual for siklus3	,175	3	.	1,000	3	1,000
Standardized Residual for siklus4	,292	3	.	,923	3	,463
Standardized Residual for siklus5	,175	3	.	1,000	3	1,000
Standardized Residual for siklus6	,253	3	.	,964	3	,637

Tests of Within-Subjects Effects

Measure: viskositas

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
siklus	Sphericity Assumed	,008	5	,002	5,160	,013
	Greenhouse-Geisser	,008	1,959	,004	5,160	,080
	Huynh-Feldt	,008	5,000	,002	5,160	,013
	Lower-bound	,008	1,000	,008	5,160	,151
Error (siklus)	Sphericity Assumed	,003	10	,000		
	Greenhouse-Geisser	,003	3,918	,001		
	Huynh-Feldt	,003	10,000	,000		
	Lower-bound	,003	2,000	,002		

8.2.2 Krim ekstrak daun bayam merah 1%

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	,253	3	.	,964	3	,637
Standardized Residual for siklus3	,175	3	.	1,000	3	1,000
Standardized Residual for siklus4	,175	3	.	1,000	3	1,000
Standardized Residual for siklus5	,175	3	.	1,000	3	1,000
Standardized Residual for siklus6	,253	3	.	,964	3	,637

Tests of Within-Subjects Effects

Measure: viskositas

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	,003	5	,001	2,946	,069
	Greenhouse-Geisser	,003	1,916	,002	2,946	,168
	Huynh-Feldt	,003	5,000	,001	2,946	,069
	Lower-bound	,003	1,000	,003	2,946	,228
Error (siklus)	Sphericity Assumed	,002	10	,000		
	Greenhouse-Geisser	,002	3,832	,001		
	Huynh-Feldt	,002	10,000	,000		
	Lower-bound	,002	2,000	,001		

8.2.3 Krim ekstrak daun bayam merah 2%

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	,175	3	.	1,000	3	1,000
Standardized Residual for siklus3	,253	3	.	,964	3	,637
Standardized Residual for siklus4	,175	3	.	1,000	3	1,000
Standardized Residual for siklus5	,175	3	.	1,000	3	1,000
Standardized Residual for siklus6	,175	3	.	1,000	3	1,000

Tests of Within-Subjects Effects

Measure: viskositas

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	,015	5	,003	10,563	,001
	Greenhouse-Geisser	,015	1,956	,008	10,563	,027
	Huynh-Feldt	,015	5,000	,003	10,563	,001
	Lower-bound	,015	1,000	,015	10,563	,083
Error (siklus)	Sphericity Assumed	,003	10	,000		
	Greenhouse-Geisser	,003	3,913	,001		
	Huynh-Feldt	,003	10,000	,000		
	Lower-bound	,003	2,000	,001		

8.2.4 Krim kontrol negatif

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for siklus1	,253	3	.	,964	3	,637
Standardized Residual for siklus2	,175	3	.	1,000	3	1,000
Standardized Residual for siklus3	,253	3	.	,964	3	,637
Standardized Residual for siklus4	,253	3	.	,964	3	,637
Standardized Residual for siklus5	,292	3	.	,923	3	,463
Standardized Residual for siklus6	,253	3	.	,964	3	,637

Tests of Within-Subjects Effects

Measure: viskositas

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	,004	5	,001	2,977	,067
	Greenhouse-Geisser	,004	1,263	,003	2,977	,206
	Huynh-Feldt	,004	2,427	,002	2,977	,141
	Lower-bound	,004	1,000	,004	2,977	,227
Error (siklus)	Sphericity Assumed	,003	10	,000		
	Greenhouse-Geisser	,003	2,526	,001		
	Huynh-Feldt	,003	4,854	,001		
	Lower-bound	,003	2,000	,001		

8.3 Stabilitas Daya lekat

8.3.1 Krim ekstrak daun bayam merah 0,5%

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for siklus1	,319	3	.	,885	3	,339
Standardized Residual for siklus2	,322	3	.	,880	3	,323
Standardized Residual for siklus3	,311	3	.	,897	3	,375
Standardized Residual for siklus4	,237	3	.	,977	3	,706
Standardized Residual for siklus5	,248	3	.	,968	3	,659
Standardized Residual for siklus6	,202	3	.	,994	3	,851

Tests of Within-Subjects Effects

Measure: dayalekat

Source		Type III Sum of Squares	Df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	1,050	5	,210	4,564	,020
	Greenhouse-Geisser	1,050	1,744	,602	4,564	,107
	Huynh-Feldt	1,050	5,000	,210	4,564	,020
	Lower-bound	1,050	1,000	1,050	4,564	,166
Error (siklus)	Sphericity Assumed	,460	10	,046		
	Greenhouse-Geisser	,460	3,489	,132		
	Huynh-Feldt	,460	10,000	,046		
	Lower-bound	,460	2,000	,230		

8.3.2 Krim ekstrak daun bayam merah 1%

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for siklus1	,319	3	.	,885	3	,339
Standardized Residual for siklus2	,292	3	.	,923	3	,463
Standardized Residual for siklus3	,328	3	.	,871	3	,298
Standardized Residual for siklus4	,216	3	.	,988	3	,794
Standardized Residual for siklus5	,302	3	.	,910	3	,417
Standardized Residual for siklus6	,314	3	.	,893	3	,363

Tests of Within-Subjects Effects

Measure: dayalekat

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	,097	5	,019	,560	,729
	Greenhouse-Geisser	,097	1,518	,064	,560	,578
	Huynh-Feldt	,097	5,000	,019	,560	,729
	Lower-bound	,097	1,000	,097	,560	,532
Error (siklus)	Sphericity Assumed	,347	10	,035		
	Greenhouse-Geisser	,347	3,035	,114		
	Huynh-Feldt	,347	10,000	,035		
	Lower-bound	,347	2,000	,174		

8.3.3 Krim ekstrak daun bayam merah 2%

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for siklus1	,267	3	.	,951	3	,574
Standardized Residual for siklus2	,301	3	.	,912	3	,424
Standardized Residual for siklus3	,267	3	.	,951	3	,576
Standardized Residual for siklus4	,178	3	.	,999	3	,956
Standardized Residual for siklus5	,191	3	.	,997	3	,900
Standardized Residual for siklus6	,301	3	.	,912	3	,424

Tests of Within-Subjects Effects

Measure: dayalekat

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	,325	5	,065	1,377	,311
	Greenhouse-Geisser	,325	1,280	,254	1,377	,359
	Huynh-Feldt	,325	2,554	,127	1,377	,343
	Lower-bound	,325	1,000	,325	1,377	,361
Error (siklus)	Sphericity Assumed	,471	10	,047		
	Greenhouse-Geisser	,471	2,560	,184		
	Huynh-Feldt	,471	5,108	,092		
	Lower-bound	,471	2,000	,236		

8.3.4 Krim kontrol negatif

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for siklus1	,250	3	.	,967	3	,650
Standardized Residual for siklus2	,330	3	.	,866	3	,286
Standardized Residual for siklus3	,292	3	.	,923	3	,463
Standardized Residual for siklus4	,308	3	.	,902	3	,391
Standardized Residual for siklus5	,292	3	.	,923	3	,463
Standardized Residual for siklus6	,238	3	.	,976	3	,702

Tests of Within-Subjects Effects

Measure: dayalekat

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	,611	5	,122	4,114	,027
	Greenhouse-Geisser	,611	1,879	,325	4,114	,114
	Huynh-Feldt	,611	5,000	,122	4,114	,027
	Lower-bound	,611	1,000	,611	4,114	,180
Error (siklus)	Sphericity Assumed	,297	10	,030		
	Greenhouse-Geisser	,297	3,758	,079		
	Huynh-Feldt	,297	10,000	,030		
	Lower-bound	,297	2,000	,149		

8.4 Stabilitas Daya sebar

8.4.1 Krim ekstrak daun bayam merah 0,5%

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	,213	3	.	,990	3	,806
Standardized Residual for siklus3	,367	3	.	,794	3	,100
Standardized Residual for siklus4	,349	3	.	,832	3	,194
Standardized Residual for siklus5	,241	3	.	,974	3	,688
Standardized Residual for siklus6	,202	3	.	,994	3	,851

Tests of Within-Subjects Effects

Measure: dayasebar

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	,268	5	,054	1,675	,228
	Greenhouse-Geisser	,268	1,892	,142	1,675	,299
	Huynh-Feldt	,268	5,000	,054	1,675	,228
	Lower-bound	,268	1,000	,268	1,675	,325
Error (siklus)	Sphericity Assumed	,320	10	,032		
	Greenhouse-Geisser	,320	3,784	,085		
	Huynh-Feldt	,320	10,000	,032		
	Lower-bound	,320	2,000	,160		

Beban 50 gram

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for siklus1	,272	3	.	,947	3	,554
Standardized Residual for siklus2	,308	3	.	,902	3	,391
Standardized Residual for siklus3	,232	3	.	,980	3	,726
Standardized Residual for siklus4	,175	3	.	1,000	3	1,000
Standardized Residual for siklus5	,193	3	.	,997	3	,890
Standardized Residual for siklus6	,248	3	.	,968	3	,657

Tests of Within-Subjects Effects

Measure: dayasebar

Source		Type III Sum of Squares	Df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	,492	5	,098	3,240	,054
	Greenhouse-Geisser	,492	1,781	,276	3,240	,158
	Huynh-Feldt	,492	5,000	,098	3,240	,054
	Lower-bound	,492	1,000	,492	3,240	,214
Error (siklus)	Sphericity Assumed	,304	10	,030		
	Greenhouse-Geisser	,304	3,563	,085		
	Huynh-Feldt	,304	10,000	,030		
	Lower-bound	,304	2,000	,152		

Beban 100 gram

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for siklus1	,253	3	.	,964	3	,637
Standardized Residual for siklus2	,263	3	.	,955	3	,593
Standardized Residual for siklus3	,200	3	.	,995	3	,862
Standardized Residual for siklus4	,304	3	.	,907	3	,407
Standardized Residual for siklus5	,263	3	.	,955	3	,593
Standardized Residual for siklus6	,296	3	.	,918	3	,446

Tests of Within-Subjects Effects

Measure: dayasebar

Source		Type III Sum of Squares	Df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	,235	5	,047	1,960	,171
	Greenhouse-Geisser	,235	1,846	,128	1,960	,261
	Huynh-Feldt	,235	5,000	,047	1,960	,171
	Lower-bound	,235	1,000	,235	1,960	,296
Error (siklus)	Sphericity Assumed	,240	10	,024		
	Greenhouse-Geisser	,240	3,692	,065		
	Huynh-Feldt	,240	10,000	,024		
	Lower-bound	,240	2,000	,120		

Beban 150 gram

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for siklus1	,265	3	.	,953	3	,583
Standardized Residual for siklus2	,304	3	.	,907	3	,407
Standardized Residual for siklus3	,253	3	.	,964	3	,637
Standardized Residual for siklus4	,199	3	.	,995	3	,865
Standardized Residual for siklus5	,258	3	.	,960	3	,616
Standardized Residual for siklus6	,273	3	.	,945	3	,549

Tests of Within-Subjects Effects

Measure: dayasebar

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	,155	5	,031	,458	,799
	Greenhouse-Geisser	,155	1,353	,114	,458	,608
	Huynh-Feldt	,155	3,182	,049	,458	,730
	Lower-bound	,155	1,000	,155	,458	,568
Error (siklus)	Sphericity Assumed	,676	10	,068		
	Greenhouse-Geisser	,676	2,706	,250		
	Huynh-Feldt	,676	6,364	,106		
	Lower-bound	,676	2,000	,338		

8.4.2 Krim ekstrak daun bayam merah 1%

Tanpa Beban

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	,337	3	.	,855	3	,253
Standardized Residual for siklus3	,219	3	.	,987	3	,780
Standardized Residual for siklus4	,236	3	.	,977	3	,710
Standardized Residual for siklus5	,265	3	.	,953	3	,583
Standardized Residual for siklus6	,276	3	.	,942	3	,537

Tests of Within-Subjects Effects

Measure: dayasebar

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	1,366	5	,273	28,453	,000
	Greenhouse-Geisser	1,366	1,837	,744	28,453	,006
	Huynh-Feldt	1,366	5,000	,273	28,453	,000
	Lower-bound	1,366	1,000	1,366	28,453	,033
Error (siklus)	Sphericity Assumed	,096	10	,010		
	Greenhouse-Geisser	,096	3,674	,026		
	Huynh-Feldt	,096	10,000	,010		
	Lower-bound	,096	2,000	,048		

Beban 50 gram

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	Df	Sig.	Statistic	df	Sig.
Standardized Residual for siklus1	,276	3	.	,942	3	,537
Standardized Residual for siklus2	,227	3	.	,983	3	,747
Standardized Residual for siklus3	,219	3	.	,987	3	,780
Standardized Residual for siklus4	,321	3	.	,881	3	,328
Standardized Residual for siklus5	,371	3	.	,784	3	,077
Standardized Residual for siklus6	,374	3	.	,776	3	,058

Tests of Within-Subjects Effects

Measure: dayasebar

Source		Type III Sum of Squares	Df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	3,287	5	,657	8,327	,002
	Greenhouse-Geisser	3,287	1,240	2,650	8,327	,080
	Huynh-Feldt	3,287	2,265	1,451	8,327	,029
	Lower-bound	3,287	1,000	3,287	8,327	,102
Error (siklus)	Sphericity Assumed	,790	10	,079		
	Greenhouse-Geisser	,790	2,480	,318		
	Huynh-Feldt	,790	4,530	,174		
	Lower-bound	,790	2,000	,395		

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	,385	3	.	,750	3	,000
Standardized Residual for siklus3	,353	3	.	,824	3	,174
Standardized Residual for siklus4	,302	3	.	,910	3	,417
Standardized Residual for siklus5	,243	3	.	,972	3	,680
Standardized Residual for siklus6	,215	3	.	,989	3	,799

Tests of Within-Subjects Effects

Measure: dayasebar

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	3,442	5	,688	9,754	,001
	Greenhouse-Geisser	3,442	1,836	1,875	9,754	,035
	Huynh-Feldt	3,442	5,000	,688	9,754	,001
	Lower-bound	3,442	1,000	3,442	9,754	,089
Error (siklus)	Sphericity Assumed	,706	10	,071		
	Greenhouse-Geisser	,706	3,672	,192		
	Huynh-Feldt	,706	10,000	,071		
	Lower-bound	,706	2,000	,353		

Beban 150 gram

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for siklus1	,310	3	.	,900	3	,384
Standardized Residual for siklus2	,255	3	.	,962	3	,628
Standardized Residual for siklus3	,247	3	.	,969	3	,664
Standardized Residual for siklus4	,196	3	.	,996	3	,878
Standardized Residual for siklus5	,385	3	.	,750	3	,000
Standardized Residual for siklus6	,257	3	.	,961	3	,622

Tests of Within-Subjects Effects

Measure: dayasebar

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	2,841	5	,568	13,957	,000
	Greenhouse-Geisser	2,841	1,136	2,501	13,957	,053
	Huynh-Feldt	2,841	1,628	1,745	13,957	,026
	Lower-bound	2,841	1,000	2,841	13,957	,065
Error (siklus)	Sphericity Assumed	,407	10	,041		
	Greenhouse-Geisser	,407	2,271	,179		
	Huynh-Feldt	,407	3,256	,125		
	Lower-bound	,407	2,000	,204		

8.4.3 Krim ekstrak daun bayam merah 2%

Tanpa Beban

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for siklus1	,337	3	.	,855	3	,253
Standardized Residual for siklus2	,269	3	.	,949	3	,567
Standardized Residual for siklus3	,385	3	.	,750	3	,000
Standardized Residual for siklus4	,255	3	.	,962	3	,627
Standardized Residual for siklus5	,341	3	.	,846	3	,230
Standardized Residual for siklus6	,282	3	.	,936	3	,510

Tests of Within-Subjects Effects

Measure: dayasebar

Source		Type III Sum of Squares	Df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	2,071	5	,414	19,256	,000
	Greenhouse-Geisser	2,071	1,419	1,460	19,256	,023
	Huynh-Feldt	2,071	3,886	,533	19,256	,000
	Lower-bound	2,071	1,000	2,071	19,256	,048
Error (siklus)	Sphericity Assumed	,215	10	,022		
	Greenhouse-Geisser	,215	2,838	,076		
	Huynh-Feldt	,215	7,772	,028		
	Lower-bound	,215	2,000	,108		

Beban 50 gram

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	Df	Sig.	Statistic	df	Sig.
Standardized Residual for siklus1	,187	3	.	,998	3	,915
Standardized Residual for siklus2	,253	3	.	,964	3	,637
Standardized Residual for siklus3	,328	3	.	,871	3	,298
Standardized Residual for siklus4	,345	3	.	,839	3	,210
Standardized Residual for siklus5	,323	3	.	,879	3	,321
Standardized Residual for siklus6	,175	3	.	1,000	3	1,000

Tests of Within-Subjects Effects

Measure: dayasebar

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	2,378	5	,476	14,012	,000
	Greenhouse-Geisser	2,378	1,370	1,735	14,012	,038
	Huynh-Feldt	2,378	3,352	,709	14,012	,003
	Lower-bound	2,378	1,000	2,378	14,012	,065
Error (siklus)	Sphericity Assumed	,339	10	,034		
	Greenhouse-Geisser	,339	2,740	,124		
	Huynh-Feldt	,339	6,703	,051		
	Lower-bound	,339	2,000	,170		

Beban 100 gram

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for siklus1	,246	3	.	,970	3	,668
Standardized Residual for siklus2	,385	3	.	,750	3	,000
Standardized Residual for siklus3	,292	3	.	,923	3	,463
Standardized Residual for siklus4	,219	3	.	,987	3	,780
Standardized Residual for siklus5	,328	3	.	,871	3	,298
Standardized Residual for siklus6	,202	3	.	,994	3	,851

Tests of Within-Subjects Effects

Measure: dayasebar

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	3,242	5	,648	9,014	,002
	Greenhouse-Geisser	3,242	1,761	1,840	9,014	,042
	Huynh-Feldt	3,242	5,000	,648	9,014	,002
	Lower-bound	3,242	1,000	3,242	9,014	,095
Error (siklus)	Sphericity Assumed	,719	10	,072		
	Greenhouse-Geisser	,719	3,523	,204		
	Huynh-Feldt	,719	10,000	,072		
	Lower-bound	,719	2,000	,360		

Beban 150 gram

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	,349	3	.	,832	3	,194
Standardized Residual for siklus3	,337	3	.	,855	3	,253
Standardized Residual for siklus4	,276	3	.	,942	3	,537
Standardized Residual for siklus5	,345	3	.	,839	3	,213
Standardized Residual for siklus6	,204	3	.	,993	3	,843

Tests of Within-Subjects Effects

Measure: dayasebar

Source		Type III Sum of Squares	Df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	4,121	5	,824	14,615	,000
	Greenhouse-Geisser	4,121	1,874	2,199	14,615	,017
	Huynh-Feldt	4,121	5,000	,824	14,615	,000
	Lower-bound	4,121	1,000	4,121	14,615	,062
Error (siklus)	Sphericity Assumed	,564	10	,056		
	Greenhouse-Geisser	,564	3,748	,150		
	Huynh-Feldt	,564	10,000	,056		
	Lower-bound	,564	2,000	,282		

8.4.4 Krim kontrol negatif

Tanpa Beban

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	,265	3	.	,953	3	,583
Standardized Residual for siklus3	,232	3	.	,980	3	,726
Standardized Residual for siklus4	,322	3	.	,880	3	,324
Standardized Residual for siklus5	,175	3	.	1,000	3	1,000
Standardized Residual for siklus6	,372	3	.	,783	3	,073

Tests of Within-Subjects Effects

Measure: dayasebar

Source		Type III Sum of Squares	Df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	1,294	5	,259	8,522	,002
	Greenhouse-Geisser	1,294	1,964	,659	8,522	,037
	Huynh-Feldt	1,294	5,000	,259	8,522	,002
	Lower-bound	1,294	1,000	1,294	8,522	,100
Error (siklus)	Sphericity Assumed	,304	10	,030		
	Greenhouse-Geisser	,304	3,928	,077		
	Huynh-Feldt	,304	10,000	,030		
	Lower-bound	,304	2,000	,152		

Beban 50 gram

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	,371	3	.	,784	3	,077
Standardized Residual for siklus3	,301	3	.	,912	3	,424
Standardized Residual for siklus4	,369	3	.	,787	3	,085
Standardized Residual for siklus5	,385	3	.	,750	3	,000
Standardized Residual for siklus6	,297	3	.	,918	3	,444

Tests of Within-Subjects Effects

Measure: dayasebar

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	,933	5	,187	2,984	,066
	Greenhouse-Geisser	,933	1,394	,669	2,984	,197
	Huynh-Feldt	,933	3,599	,259	2,984	,099
	Lower-bound	,933	1,000	,933	2,984	,226
Error (siklus)	Sphericity Assumed	,625	10	,063		
	Greenhouse-Geisser	,625	2,788	,224		
	Huynh-Feldt	,625	7,198	,087		
	Lower-bound	,625	2,000	,313		

Beban 100 gram

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	,314	3	.	,893	3	,363
Standardized Residual for siklus3	,304	3	.	,907	3	,407
Standardized Residual for siklus4	,292	3	.	,923	3	,463
Standardized Residual for siklus5	,292	3	.	,923	3	,463
Standardized Residual for siklus6	,175	3	.	1,000	3	1,000

Tests of Within-Subjects Effects

Measure: dayasebar

Source		Type III Sum of Squares	Df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	1,475	5	,295	4,771	,017
	Greenhouse-Geisser	1,475	1,539	,958	4,771	,115
	Huynh-Feldt	1,475	5,000	,295	4,771	,017
	Lower-bound	1,475	1,000	1,475	4,771	,161
Error (siklus)	Sphericity Assumed	,618	10	,062		
	Greenhouse-Geisser	,618	3,078	,201		
	Huynh-Feldt	,618	10,000	,062		
	Lower-bound	,618	2,000	,309		

Beban 150 gram

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	Df	Sig.	Statistic	df	Sig.
Standardized Residual for siklus1	,247	3	.	,969	3	,664
Standardized Residual for siklus2	,314	3	.	,893	3	,363
Standardized Residual for siklus3	,199	3	.	,995	3	,865
Standardized Residual for siklus4	,352	3	.	,826	3	,178
Standardized Residual for siklus5	,328	3	.	,871	3	,298
Standardized Residual for siklus6	,310	3	.	,899	3	,381

Tests of Within-Subjects Effects

Measure: dayasebar

Source		Type III Sum of Squares	Df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	1,199	5	,240	4,002	,030
	Greenhouse-Geisser	1,199	1,362	,880	4,002	,152
	Huynh-Feldt	1,199	3,269	,367	4,002	,062
	Lower-bound	1,199	1,000	1,199	4,002	,183
Error (siklus)	Sphericity Assumed	,599	10	,060		
	Greenhouse-Geisser	,599	2,724	,220		
	Huynh-Feldt	,599	6,537	,092		
	Lower-bound	,599	2,000	,300		

8.5 Stabilitas Daya proteksi

8.5.1 Krim ekstrak daun bayam merah 0,5%

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	Df	Sig.	Statistic	df	Sig.
Standardized Residual for siklus1	,362	3	.	,804	3	,123
Standardized Residual for siklus2	,197	3	.	,996	3	,872
Standardized Residual for siklus3	,217	3	.	,988	3	,790
Standardized Residual for siklus4	,229	3	.	,982	3	,740
Standardized Residual for siklus5	,272	3	.	,947	3	,556
Standardized Residual for siklus6	,306	3	.	,905	3	,401

Tests of Within-Subjects Effects

Measure: dayaproteksi

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	28,554	5	5,711	4,201	,026
	Greenhouse-Geisser	28,554	1,562	18,286	4,201	,130
	Huynh-Feldt	28,554	5,000	5,711	4,201	,026
	Lower-bound	28,554	1,000	28,554	4,201	,177
Error (siklus)	Sphericity Assumed	13,595	10	1,360		
	Greenhouse-Geisser	13,595	3,123	4,353		
	Huynh-Feldt	13,595	10,000	1,360		
	Lower-bound	13,595	2,000	6,798		

8.5.2 Krim ekstrak daun bayam merah 1%

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for siklus1	,281	3	.	,937	3	,516
Standardized Residual for siklus2	,203	3	.	,994	3	,848
Standardized Residual for siklus3	,365	3	.	,798	3	,110
Standardized Residual for siklus4	,269	3	.	,950	3	,567
Standardized Residual for siklus5	,310	3	.	,898	3	,380
Standardized Residual for siklus6	,206	3	.	,993	3	,838

Tests of Within-Subjects Effects

Measure: dayaproteksi

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	22,461	5	4,492	,804	,572
	Greenhouse-Geisser	22,461	1,334	16,838	,804	,483
	Huynh-Feldt	22,461	3,006	7,473	,804	,536
	Lower-bound	22,461	1,000	22,461	,804	,464
Error (siklus)	Sphericity Assumed	55,850	10	5,585		
	Greenhouse-Geisser	55,850	2,668	20,934		
	Huynh-Feldt	55,850	6,011	9,291		
	Lower-bound	55,850	2,000	27,925		

8.5.3 Krim ekstrak daun bayam merah 2%

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	Df	Sig.	Statistic	df	Sig.
Standardized Residual for siklus1	,374	3	.	,776	3	,058
Standardized Residual for siklus2	,312	3	.	,896	3	,373
Standardized Residual for siklus3	,361	3	.	,807	3	,131
Standardized Residual for siklus4	,321	3	.	,882	3	,329
Standardized Residual for siklus5	,202	3	.	,994	3	,855
Standardized Residual for siklus6	,367	3	.	,793	3	,098

Tests of Within-Subjects Effects

Measure: dayaproteksi

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Siklus	Sphericity Assumed	99,863	5	19,973	9,389	,002
	Greenhouse-Geisser	99,863	1,989	50,220	9,389	,031
	Huynh-Feldt	99,863	5,000	19,973	9,389	,002
	Lower-bound	99,863	1,000	99,863	9,389	,092
Error (siklus)	Sphericity Assumed	21,272	10	2,127		
	Greenhouse-Geisser	21,272	3,977	5,349		
	Huynh-Feldt	21,272	10,000	2,127		
	Lower-bound	21,272	2,000	10,636		

8.5.4 Krim kontrol negatif

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	Df	Sig.	Statistic	df	Sig.
Standardized Residual for siklus1	,254	3	.	,964	3	,634
Standardized Residual for siklus2	,279	3	.	,939	3	,525
Standardized Residual for siklus3	,313	3	.	,894	3	,367
Standardized Residual for siklus4	,218	3	.	,988	3	,788
Standardized Residual for siklus5	,185	3	.	,998	3	,923
Standardized Residual for siklus6	,230	3	.	,981	3	,734

Tests of Within-Subjects Effects

Measure: dayaproteksi

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
siklus	Sphericity Assumed	12,265	5	2,453	1,431	,294
	Greenhouse-Geisser	12,265	1,508	8,132	1,431	,348
	Huynh-Feldt	12,265	5,000	2,453	1,431	,294
	Lower-bound	12,265	1,000	12,265	1,431	,354
Error (siklus)	Sphericity Assumed	17,148	10	1,715		
	Greenhouse-Geisser	17,148	3,017	5,684		
	Huynh-Feldt	17,148	10,000	1,715		
	Lower-bound	17,148	2,000	8,574		

Lampiran 8. Hasil uji keamanan primer dan okuler

8.1 Keamanan primer

Krim	Replikasi	Respon sesudah pemberian sediaan krim					
		24 jam		48 jam		72 jam	
		Eritema	Udema	Eritema	Udema	Eritema	Udema
F1	1	0	0	0	0	0	0
	2	0	0	0	0	1	0
	3	0	0	0	0	0	0
Total		0	0	0	0	1	0
IIPR		0					
Kesimpulan		Krim menimbulkan sangat sedikit iritasi					
F2	1	0	0	0	0	0	0
	2	0	0	0	0	0	0
	3	0	0	0	0	0	0
Total		0	0	0	0	0	0
IIPR		0					
Kesimpulan		Krim tidak menimbulkan iritasi					
F3	1	0	0	0	0	0	0
	2	0	0	0	0	0	0
	3	0	0	0	0	0	0
Total		0	0	0	0	0	0
IIPR		0					
Kesimpulan		Krim tidak menimbulkan iritasi					
F4	1	0	0	0	0	0	0
	2	0	0	0	0	0	0
	3	0	0	0	0	0	0
Total		0	0	0	0	0	0
IIPR		0					
Kesimpulan		Krim tidak menimbulkan iritasi					

IIPR : Indeks Iritasi Primer

Indeks iritasi primer = $\frac{Jumlah\ eritema\ 24/48/72 jam + jumlah\ edema\ 24/48/72 jam}{jumlah\ kelinci}$

- Krim kontrol negatif = $\frac{0}{3}$ = 0
- Krim ekstrak daun bayam merah 0,5% = $\frac{0}{3}$ = 0
- Krim ekstrak daun bayam merah 1% = $\frac{0}{3}$ = 0
- Krim ekstrak daun bayam merah 2% = $\frac{1}{3}$ = 0,33

8.2 Keamanan okuler

Krim	Replikasi	Respon sesudah pemberian sediaan krim											
		Skor kornea			Skor iris			Skor konjungtiva			Skor kemosis		
		24	48	72	24	48	72	24	48	72	24	48	72
F1	1	0	0	0	0	0	0	0	0	0	0	0	0
	2	0	0	0	0	0	0	0	0	0	0	0	0
	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 menimbulkan iritasi											
F2	1	0	0	0	0	0	0	0	0	0	0	0	0
	2	0	0	0	0	0	0	0	0	0	0	0	0
	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 menimbulkan iritasi											
F3	1	0	0	0	0	0	0	0	0	0	0	0	0
	2	0	0	0	0	0	0	0	0	0	0	0	0
	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 menimbulkan iritasi											
F4	1	0	0	0	0	0	0	0	0	0	0	0	0
	2	0	0	0	0	0	0	0	0	0	0	0	0
	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 menimbulkan iritasi											

IIO : Indeks Iritasi Okuler

Lampiran 9. Hasil uji aktivitas *anti-aging*

9.1 Hasil uji persen kolagen

Krim	Replikasi	Hasil uji persen kolagen				
		Sebelum Induksi UV-A (T)	Setelah Induksi UV-A (T0)	Hari Ke-30 (T30)	Peningkatan parameter	
					T0-T	T30-T0
F1	1	65	54	67	-11	13
	2	62	52	65	-10	13
	3	66	56	69	-10	13
	4	64	49	65	-15	16
	5	63	54	65	-9	11
Rata-rata±SD		64±1,58	53±2,65	66,2±1,79	-11±2,35	13,2±1,79
F2	1	64	55	74	-9	19
	2	59	49	67	-10	18
	3	54	45	65	-9	20
	4	62	48	69	-14	21
	5	66	53	72	-13	19
Rata-rata±SD		61±4,69	50±4,00	69,4±3,65	-11±2,35	19,4±1,14
F3	1	65	53	72	-12	19
	2	59	48	68	-11	20
	3	63	55	72	-8	17
	4	64	54	74	-10	20
	5	59	47	67	-12	20
Rata-rata±SD		62±2,83	51,4±3,65	70,6±2,97	-10,6±1,67	19,2±1,30
F4 (-)	1	64	54	59	-10	5
	2	64	52	55	-12	3
	3	63	50	53	-13	3
	4	66	58	60	-8	2
	5	65	55	60	-10	5
Rata-rata±SD		64,4±1,14	53,8±3,03	57,4±3,21	-10,6±1,95	3,6±1,34
F5 (+)	1	59	47	69	-12	22
	2	62	49	72	-13	23
	3	64	57	78	-7	21
	4	63	54	77	-9	23
	5	62	51	74	-11	23
Rata-rata±SD		62±1,87	51,6±3,97	74±3,67	-10,4±2,41	22,4±0,89

9.2 Hasil uji persen elastisitas

Kelompok	Replikasi	Hasil uji persen elastisitas				
		Sebelum Induksi UV-A (T)	Setelah Induksi UV-A (T0)	Hari Ke-30 (T30)	Peningkatan parameter	
					T0-T	T30-T0
F1	1	55	40	65	-15	25
	2	60	44	70	-16	26
	3	52	40	68	-12	28
	4	50	39	65	-11	26
	5	50	35	67	-15	32
Rata-rata±SD		53,4±4,22	39,6±3,21	67±2,12	-13,8±2,17	27,4±2,79
F2	1	61	47	72	-14	25
	2	55	40	70	-15	30
	3	54	41	71	-13	30
	4	51	38	65	-13	27
	5	52	36	69	-16	33
Rata-rata±SD		54,6±3,91	40,4±4,16	69,4 ±2,70	-14,2 ±1,30	29±3,08
F3	1	58	43	71	-15	28
	2	50	38	68	-12	30
	3	50	36	69	-14	33
	4	59	44	72	-15	28
	5	60	45	72	-15	27
Rata-rata±SD		55,4±4,98	41,2±3,96	70,4 ±1,82	-14,2±1,30	29,2±2,39
F4 (-)	1	50	35	39	-15	4
	2	54	39	42	-15	3
	3	54	42	45	-12	3
	4	60	48	49	-12	1
	5	58	44	46	-14	2
Rata-rata±SD		55,2±3,90	41,6±4,93	44,2±3,83	-13,6±1,52	2,6±1,14
F5 (+)	1	52	38	73	-14	35
	2	50	34	73	-16	39
	3	58	45	69	-13	24
	4	56	42	72	-14	30
	5	58	43	73	-15	30
Rata-rata±SD		54,8±3,63	40,4±4,39	72±1,73	-14,4±1,14	31,6±5,68

9.3 Hasil uji persen kelembaban

Krim	Replikasi	Hasil Uji persen Kelembaban				
		Sebelum Induksi UV-A (T)	Setelah Induksi UV-A (T0)	Hari Ke-30 (T30)	Peningkatan parameter	
					T0-T	T30-T0
F1	1	14	3	35	-11	32
	2	16	3	31	-13	28
	3	20	7	45	-13	38
	4	21	3	44	-18	41
	5	18	5	41	-13	36
Rata-rata±SD		17,8±2,86	4,2±1,79	44±6,02	-13,6±2,61	35±5,10
F2	1	16	3	49	-13	46
	2	21	5	65	-16	60
	3	20	5	56	-15	51
	4	16	4	61	-12	57
	5	14	3	54	-11	51
Rata-rata±SD		17,4±2,97	4±1,00	57±6,20	-13,4±2,07	53±5,52
F3	1	25	8	55	-17	47
	2	21	5	50	-16	45
	3	16	3	65	-13	62
	4	14	3	64	-11	61
	5	14	3	56	-11	53
Rata-rata±SD		18±4,85	4,4±2,19	58±6,36	-13,6±2,79	53,6±7,80
F4 (-)	1	21	7	31	-14	24
	2	16	4	29	-12	25
	3	18	3	20	-15	17
	4	16	3	17	-13	14
	5	20	5	29	-15	24
Rata-rata±SD		18,2±2,28	4,4±1,67	25,2±6,26	-13,8±1,30	20,8±4,97
F5 (+)	1	16	3	56	-13	53
	2	15	4	49	-11	45
	3	13	3	54	-10	51
	4	21	5	65	-16	60
	5	24	6	71	-18	65
Rata-rata±SD		17, ±4,55	4,2±1,30	59±8,86	-13,6±3,36	54,8±7,82

Lampiran 10. Data hasil analisis statistika uji aktivitas *anti-aging*

10.1 Hasil Uji Paired T-test sebelum dan sesudah induksi sinar UV-A selama 14 hari

10.1.1 Persen kolagen

One-Sample Kolmogorov-Smirnov Test

		krim ekstrak 0,5% sebelum	krim ekstrak 0,5% sesudah	krim ekstrak 1% sebelum	krim ekstrak 1% sesudah	krim ekstrak 2% sebelum
N		5	5	5	5	5
Normal Parameters[a,b]	Mean	64,00	53,00	61,00	50,00	62,00
	Std. Deviation	1,581	2,646	4,690	4,000	2,828
Most Extreme Differences	Absolute	,136	,247	,184	,199	,256
	Positive	,136	,153	,143	,199	,256
	Negative	-,136	-,247	-,184	-,23	-,238
Test Statistic		,136	,247	,184	,199	,256
Asymp. Sig. (2-tailed)		,200[c,]	,200[c,]	,200[c,]	,200[c,]	,200[c,]

		krim ekstrak 2% sesudah	Krim kontrol negatif sebelum	Krim kontrol negatif sesudah	Krim kontrol positif sebelum	Krim kontrol positif sesudah
N		5	5	5	5	5
Normal Parameters[a,b]	Mean	51,40	64,40	53,80	62,00	51,60
	Std. Deviation	3,647	1,140	3,033	1,871	3,975
Most Extreme Differences	Absolute	,270	,237	,146	,300	,160
	Positive	,224	,237	,146	,146	,160
	Negative	-,270	-,163	-,126	-,300	-,127
Test Statistic		,270	,237	,146	,300	,160
Asymp. Sig. (2-tailed)		,200[c,]	,200[c,]	,200[c,]	,161[c,]	,200[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	krim ekstrak 0,5% sebelum	64,00	5	1,581	,707
	krim ekstrak 0,5% sesudah	53,00	5	2,646	1,183
Pair 2	krim ekstrak 1% sebelum	61,00	5	4,690	2,098
	krim ekstrak 1% sesudah	50,00	5	4,000	1,789
Pair 3	krim ekstrak 2% sebelum	62,00	5	2,828	1,265
	krim ekstrak 2% sesudah	51,40	5	3,647	1,631
Pair 4	kontrol negatif sebelum	64,40	5	1,140	,510
	kontrol negatif sesudah	53,80	5	3,033	1,356
Pair 5	kontrol positif sebelum	62,00	5	1,871	,837
	kontrol positif sesudah	51,60	5	3,975	1,778

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	krim ekstrak 0,5% sebelum & krim ekstrak 0,5% sesudah	5	,478	,415
Pair 2	krim ekstrak 1% sebelum & krim ekstrak 1% sesudah	5	,866	,058
Pair 3	krim ekstrak 2% sebelum & krim ekstrak 2% sesudah	5	,897	,039
Pair 4	kontrol negatif sebelum & kontrol negatif sesudah	5	,969	,007
Pair 5	kontrol positif sebelum & kontrol positif sesudah	5	,908	,033

Paired Samples Test

		Paired Differences				
					95% Confidence Interval of the Difference	
		Mean	Std. Deviation	Std. Error Mean	Lower	Upper
Pair 1	krim ekstrak 0,5% sebelum - krim ekstrak 0,5% sesudah	11,000	2,345	1,049	8,088	13,912
Pair 2	krim ekstrak 1% sebelum - krim ekstrak 1% sesudah	11,000	2,345	1,049	8,088	13,912
Pair 3	krim ekstrak 2% sebelum - krim ekstrak 2% sesudah	10,600	1,673	,748	8,522	12,678
Pair 4	kontrol negatif sebelum - kontrol negatif sesudah	10,600	1,949	,872	8,180	13,020
Pair 5	kontrol positif sebelum - kontrol positif sesudah	10,400	2,408	1,077	7,410	13,390

		T	df	Sig. (2-tailed)
Pair 1	krim ekstrak 0,5% sebelum - krim ekstrak 0,5% sesudah	10,488	4	,000
Pair 2	krim ekstrak 1% sebelum - krim ekstrak 1% sesudah	10,488	4	,000
Pair 3	krim ekstrak 2% sebelum - krim ekstrak 2% sesudah	14,165	4	,000
Pair 4	kontrol negatif sebelum - kontrol negatif sesudah	12,159	4	,000
Pair 5	kontrol positif sebelum - kontrol positif sesudah	9,656	4	,001

10.1.2 Persen elastisitas

One-Sample Kolmogorov-Smirnov Test

		krim ekstrak 0,5% sebelum	krim ekstrak 0,5% sesudah	krim ekstrak 1% sebelum	krim ekstrak 1% sesudah	krim ekstrak 2% sebelum
N		5	5	5	5	5
Normal Parameters[a,b]	Mean	53,40	39,60	54,60	40,40	55,40
	Std. Deviation	4,219	3,209	3,912	4,159	4,980
Most Extreme Differences	Absolute	,230	,250	,259	,243	,299
	Positive	,230	,250	,259	,243	,261
	Negative	-,210	-,226	-,179	-,145	-,299
Test Statistic		,230	,250	,259	,243	,299
Asymp. Sig. (2-tailed)		,200[c,d]	,200[c,d]	,200[c,d]	,200[c,d]	,164[c]

		krim ekstrak 2% sesudah	Krim kontrol negatif sebelum	Krim kontrol negatif sesudah	Krim kontrol positif sebelum	Krim kontrol positif sesudah
N		5	5	5	5	5
Normal Parameters[a,b]	Mean	41,20	55,20	41,60	54,80	40,40
	Std. Deviation	3,962	3,899	4,930	3,633	4,393
Most Extreme Differences	Absolute	,275	,221	,132	,229	,242
	Positive	,190	,221	,113	,189	,148
	Negative	-,275	-,179	-,132	-,229	-,242
Test Statistic		,270	,275	,221	,132	,229
Asymp. Sig. (2-tailed)		,200[c,d]	,200[c,d]	,200[c,d]	,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	krim ekstrak 0,5% sebelum	53,40	5	4,219	1,887
	krim ekstrak 0,5% sesudah	39,60	5	3,209	1,435
Pair 2	krim ekstrak 1% sebelum	54,60	5	3,912	1,749
	krim ekstrak 1% sesudah	40,40	5	4,159	1,860
Pair 3	krim ekstrak 2% sebelum	55,40	5	4,980	2,227
	krim ekstrak 2% sesudah	41,20	5	3,962	1,772
Pair 4	kontrol negatif sebelum	55,20	5	3,899	1,744
	kontrol negatif sesudah	41,60	5	4,930	2,205
Pair 5	kontrol positif sebelum	54,80	5	3,633	1,625
	kontrol positif sesudah	40,40	5	4,393	1,965

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	krim ekstrak 0,5% sebelum & krim ekstrak 0,5% sesudah	5	,864	,059
Pair 2	krim ekstrak 1% sebelum & krim ekstrak 1% sesudah	5	,950	,013
Pair 3	krim ekstrak 2% sebelum & krim ekstrak 2% sesudah	5	,983	,003
Pair 4	kontrol negatif sebelum & kontrol negatif sesudah	5	,968	,007
Pair 5	kontrol positif sebelum & kontrol positif sesudah	5	,977	,004

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 0,5% sebelum – krim ekstrak 0,5% sesudah	13,800	2,168	,970	11,108	16,492	14,234	4	,000
Pair 2	krim ekstrak 1% sebelum – krim ekstrak 1% sesudah	14,200	1,304	,583	12,581	15,819	24,353	4	,000
Pair 3	krim ekstrak 2% sebelum – krim ekstrak 2% sesudah	14,200	1,304	,583	12,581	15,819	24,353	4	,000
Pair 4	kontrol negatif sebelum – kontrol negatif sesudah	13,600	1,517	,678	11,717	15,483	20,052	4	,000
Pair 5	kontrol positif sebelum - kontrol positif sesudah	14,400	1,140	,510	12,984	15,816	28,241	4	,000

10.1.3 Persen kelembaban

One-Sample Kolmogorov-Smirnov Test

		krim ekstrak 0,5% sebelum	krim ekstrak 0,5% sesudah	krim ekstrak 1% sebelum	krim ekstrak 1% sesudah	krim ekstrak 2% sebelum
N		5	5	5	5	5
Normal Parameters[a,b]	Mean	17,80	4,20	17,40	4,00	18,00
	Std. Deviation	2,864	1,789	2,966	1,000	4,848
Most Extreme Differences	Absolute	,179	,349	,282	,241	,260
	Positive	,135	,349	,282	,241	,260
	Negative	-,179	-,251	-,210	-,241	-,205
Test Statistic		,179	,349	,282	,241	,260
Asymp. Sig. (2-tailed)		,200[c,d]	,200[c,d]	,200[c,d]	,200[c,d]	,200[c,d]

		krim ekstrak 2% sesudah	Krim kontrol negatif sebelum	Krim kontrol negatif sesudah	Krim kontrol positif sebelum	Krim kontrol positif sesudah
N		5	5	5	5	5
Normal Parameters[a,b]	Mean	4,40	18,20	4,40	17,80	4,20
	Std. Deviation	2,191	2,280	1,673	4,550	1,304
Most Extreme Differences	Absolute	,339	,233	,201	,254	,221
	Positive	,339	,233	,199	,254	,221
	Negative	-,261	-,185	-,201	-,159	-,179
Test Statistic		,339	,233	,201	,254	,221
Asymp. Sig. (2-tailed)		,062	,200[c,d]	,200[c,d]	,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	krim ekstrak 0,5% sebelum	17,80	5	2,864	1,281
	krim ekstrak 0,5% sesudah	4,20	5	1,789	,800
Pair 2	krim ekstrak 1% sebelum	17,40	5	2,966	1,327
	krim ekstrak 1% sesudah	4,00	5	1,000	,447
Pair 3	krim ekstrak 2% sebelum	18,00	5	4,848	2,168
	krim ekstrak 2% sesudah	4,40	5	2,191	,980
Pair 4	kontrol negatif sebelum	18,20	5	2,280	1,020
	kontrol negatif sesudah	4,40	5	1,673	,748
Pair 5	kontrol positif sebelum	17,80	5	4,550	2,035
	kontrol positif sesudah	4,20	5	1,304	,583

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	krim ekstrak 0,5% sebelum & krim ekstrak 0,5% sesudah	5	,449	,448
Pair 2	krim ekstrak 1% sebelum & krim ekstrak 1% sesudah	5	,927	,023
Pair 3	krim ekstrak 2% sebelum & krim ekstrak 2% sesudah	5	,965	,008
Pair 4	kontrol negatif sebelum & kontrol negatif sesudah	5	,826	,085
Pair 5	kontrol positif sebelum & kontrol positif sesudah	5	,936	,019

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 0,5% sebelum - krim ekstrak 0,5% sesudah	13,600	2,608	1,166	10,362	16,838	11,662	4	,000
Pair 2	krim ekstrak 1% sebelum - krim ekstrak 1% sesudah	13,400	2,074	,927	10,825	15,975	14,450	4	,000
Pair 3	krim ekstrak 2% sebelum - krim ekstrak 2% sesudah	13,600	2,793	1,249	10,132	17,068	10,889	4	,000
Pair 4	kontrol negatif sebelum - kontrol negatif sesudah	13,800	1,304	,583	12,181	15,419	23,667	4	,000
Pair 5	kontrol positif sebelum - kontrol positif sesudah	13,600	3,362	1,503	9,426	17,774	9,047	4	,001

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

10.2.1 Persen kolagen

1. Krim ekstrak daun bayam merah 0,5%

One-Sample Kolmogorov-Smirnov Test

		setelah induksi UV-A	hari ke-30
N		5	5
Normal Parameters[a,b]	Mean	53,00	66,20
	Std. Deviation	2,646	1,789
Most Extreme Differences	Absolute	,247	,349
	Positive	,153	,349
	Negative	-,247	-,251
Test Statistic		,247	,349
Asymp. Sig. (2-tailed)		,200[c,d]	,046[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	setelah induksi UV-A	53,00	5	2,646	1,183
	hari ke-30	66,20	5	1,789	,800

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	setelah induksi UV-A & hari ke-30	5	,740	,153

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	setelah induksi UV-A - hari ke-30	-13,200	1,789	,800	-15,421	-10,979	-16,500	4	,000

2. Krim ekstrak daun bayam merah 1%

One-Sample Kolmogorov-Smirnov Test

		setelah induksi UV-A	hari ke-30
N		5	5
Normal Parameters[a,b]	Mean	50,00	69,40
	Std. Deviation	4,000	3,647
Most Extreme Differences	Absolute	,199	,162
	Positive	,199	,145
	Negative	-,173	-,162
Test Statistic		,199	,162
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	setelah induksi UV-A	50,00	5	4,000	1,789
	hari ke-30	69,40	5	3,647	1,631

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	setelah induksi UV-A & hari ke-30	5	,960	,010

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	setelah induksi UV-A - hari ke-30	-19,400	1,140	,510	-20,816	-17,984	-38,047	4	,000

3. Krim ekstrak daun bayam merah 2%

One-Sample Kolmogorov-Smirnov Test

		setelah induksi UV-A	hari ke-30
N		5	5
Normal Parameters[a,b]	Mean	51,40	70,60
	Std. Deviation	3,647	2,966
Most Extreme Differences	Absolute	,270	,282
	Positive	,224	,210
	Negative	-,270	-,282
Test Statistic		,270	,282
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	setelah induksi UV-A	51,40	5	3,647	1,631
	hari ke-30	70,60	5	2,966	1,327

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	setelah induksi UV-A & hari ke-30	5	,943	,016

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	setelah induksi UV-A - hari ke-30	-19,200	1,304	,583	-20,819	-17,581	-32,928	4	,000

4. Krim kontrol negatif

One-Sample Kolmogorov-Smirnov Test

		setelah induksi UV-A	hari ke-30
N		5	5
Normal Parameters[a,b]	Mean	53,80	57,40
	Std. Deviation	3,033	3,209
Most Extreme Differences	Absolute	,146	,291
	Positive	,146	,209
	Negative	-,126	-,291
Test Statistic		,146	,291
Asymp. Sig. (2-tailed)		,200[c,d]	,193[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	setelah induksi UV-A	53,80	5	3,033	1,356
	hari ke-30	57,40	5	3,209	1,435

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	setelah induksi UV-A & hari ke-30	5	,909	,032

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	setelah induksi UV-A - hari ke-30	-3,600	1,342	,600	-5,266	-1,934	-6,000	4	,004

5. Krim kontrol positif

One-Sample Kolmogorov-Smirnov Test

		setelah induksi UV-A	hari ke-30
N		5	5
Normal Parameters[a,b]	Mean	51,60	74,00
	Std. Deviation	3,975	3,674
Most Extreme Differences	Absolute	,160	,193
	Positive	,160	,138
	Negative	-,127	-,193
Test Statistic		,160	,193
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	setelah induksi UV-A	51,60	5	3,975	1,778
	hari ke-30	74,00	5	3,674	1,643

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	setelah induksi UV-A & hari ke-30	5	,976	,005

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	setelah induksi UV-A - hari ke-30	-22,400	,894	,400	-23,511	-21,289	-56,000	4	,000

10.2.2 Persen elastisitas

1. Krim ekstrak daun bayam merah 0,5%

One-Sample Kolmogorov-Smirnov Test

		setelah induksi UV-A	hari ke-30
N		5	5
Normal Parameters[a,b]	Mean	39,60	67,00
	Std. Deviation	3,209	2,121
Most Extreme Differences	Absolute	,250	,227
	Positive	,250	,227
	Negative	-,226	-,173
Test Statistic		,250	,227
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	setelah induksi UV-A	39,60	5	3,209	1,435
	hari ke-30	67,00	5	2,121	,949

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	setelah induksi UV-A & hari ke-30	5	,514	,376

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	setelah induksi UV-A - hari ke-30	-27,400	2,793	1,249	-30,868	-23,932	-21,938	4	,000

2. Krim ekstrak daun bayam merah 1%

One-Sample Kolmogorov-Smirnov Test

		setelah induksi UV-A	hari ke-30
N		5	5
Normal Parameters[a,b]	Mean	40,40	69,40
	Std. Deviation	4,159	2,702
Most Extreme Differences	Absolute	,243	,241
	Positive	,243	,168
	Negative	-,145	-,241
Test Statistic		,243	,241
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	setelah induksi UV-A	40,40	5	4,159	1,860
	hari ke-30	69,40	5	2,702	1,208

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	setelah induksi UV-A & hari ke-30	5	,672	,214

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	setelah induksi UV-A - hari ke-30	-29,000	3,082	1,378	-32,827	-25,173	-21,039	4	,000

3. Krim ekstrak daun bayam merah 2%

One-Sample Kolmogorov-Smirnov Test

		setelah induksi UV-A	hari ke-30
N		5	5
Normal Parameters[a,b]	Mean	41,20	70,40
	Std. Deviation	3,962	1,817
Most Extreme Differences	Absolute	,275	,229
	Positive	,190	,189
	Negative	-,275	-,229
Test Statistic		,275	,229
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	setelah induksi UV-A	41,20	5	3,962	1,772
	hari ke-30	70,40	5	1,817	,812

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	setelah induksi UV-A & hari ke-30	5	,924	,025

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	setelah induksi UV-A - hari ke-30	-29,200	2,387	1,068	-32,164	-26,236	-27,348	4	,000

4. Krim kontrol negatif

One-Sample Kolmogorov-Smirnov Test

		setelah induksi UV-A	hari ke-30
N		5	5
Normal Parameters[a,b]	Mean	41,60	44,20
	Std. Deviation	4,930	3,834
Most Extreme Differences	Absolute	,132	,183
	Positive	,113	,119
	Negative	-,132	-,183
Test Statistic		,132	,183
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	setelah induksi UV-A	41,60	5	4,930	2,205
	hari ke-30	44,20	5	3,834	1,715

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	setelah induksi UV-A & hari ke-30	5	,997	,000

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	setelah induksi UV-A - hari ke-30	-2,600	1,140	,510	-4,016	-1,184	-5,099	4	,007

5. Krim kontrol positif

One-Sample Kolmogorov-Smirnov Test

		setelah induksi UV-A	hari ke-30
N		5	5
Normal Parameters[a,b]	Mean	40,40	72,00
	Std. Deviation	4,393	1,732
Most Extreme Differences	Absolute	,242	,318
	Positive	,148	,282
	Negative	-,242	-,318
Test Statistic		,242	,318
Asymp. Sig. (2-tailed)		,200[c,d]	,109[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	setelah induksi UV-A	40,40	5	4,393	1,965
	hari ke-30	72,00	5	1,732	,775

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	setelah induksi UV-A & hari ke-30	5	-,657	,228

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	setelah induksi UV-A - hari ke-30	-31,600	5,683	2,542	-38,657	-24,543	-12,433	4	,000

10.2.3 Persen kelembaban

1. Krim ekstrak daun bayam merah 0,5%

One-Sample Kolmogorov-Smirnov Test

		setelah induksi UV-A	hari ke-30
N		5	5
Normal Parameters[a,b]	Mean	4,20	39,20
	Std. Deviation	1,789	6,017
Most Extreme Differences	Absolute	,349	,218
	Positive	,349	,168
	Negative	-,251	-,218
Test Statistic		,349	,218
Asymp. Sig. (2-tailed)		,046[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	setelah induksi UV-A	4,20	5	1,789	,800
	hari ke-30	39,20	5	6,017	2,691

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	setelah induksi UV-A & hari ke-30	5	,623	,262

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	setelah induksi UV-A - hari ke-30	-35,000	5,099	2,280	-41,331	-28,669	-15,349	4	,000

2. Krim ekstrak daun bayam merah 1%

One-Sample Kolmogorov-Smirnov Test

		setelah induksi UV-A	hari ke-30
N		5	5
Normal Parameters[a,b]	Mean	4,00	57,00
	Std. Deviation	1,000	6,205
Most Extreme Differences	Absolute	,241	,164
	Positive	,241	,164
	Negative	-,241	-,140
Test Statistic		,241	,164
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	setelah induksi UV-A	4,00	5	1,000	,447
	hari ke-30	57,00	5	6,205	2,775

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	setelah induksi UV-A & hari ke-30	5	,725	,166

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	setelah induksi UV-A - hari ke-30	-53,000	5,523	2,470	-59,857	-46,143	-21,459	4	,000

3. Krim ekstrak daun bayam merah 2%

One-Sample Kolmogorov-Smirnov Test

		setelah induksi UV-A	hari ke-30
N		5	5
Normal Parameters[a,b]	Mean	4,40	58,00
	Std. Deviation	2,191	6,364
Most Extreme Differences	Absolute	,339	,227
	Positive	,339	,223
	Negative	-,261	-,227
Test Statistic		,339	,227
Asymp. Sig. (2-tailed)		,062[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	setelah induksi UV-A	4,40	5	2,191	,980
	hari ke-30	58,00	5	6,364	2,846

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	setelah induksi UV-A & hari ke-30	5	-,556	,331

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	setelah induksi UV-A - hari ke-30	-53,600	7,797	3,487	-63,282	-43,918	-15,371	4	,000

4. Krim kontrol negatif

One-Sample Kolmogorov-Smirnov Test

		setelah induksi UV-A	hari ke-30
N		5	5
Normal Parameters[a,b]	Mean	4,40	25,20
	Std. Deviation	1,673	6,261
Most Extreme Differences	Absolute	,201	,328
	Positive	,199	,197
	Negative	-,201	-,328
Test Statistic		,201	,328
Asymp. Sig. (2-tailed)		,200[c,d]	,084[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	setelah induksi UV-A	4,40	5	1,673	,748
	hari ke-30	25,20	5	6,261	2,800

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	setelah induksi UV-A & hari ke-30	5	,826	,085

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	setelah induksi UV-A - hari ke-30	-20,800	4,970	2,223	-26,971	-14,629	-9,358	4	,001

5. Krim kontrol positif

One-Sample Kolmogorov-Smirnov Test

		setelah induksi UV-A	hari ke-30
N		5	5
Normal Parameters[a,b]	Mean	4,20	59,00
	Std. Deviation	1,304	8,860
Most Extreme Differences	Absolute	,221	,233
	Positive	,221	,233
	Negative	-,179	-,151
Test Statistic		,221	,233
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	setelah induksi UV-A	4,20	5	1,304	,583
	hari ke-30	59,00	5	8,860	3,962

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	setelah induksi UV-A & hari ke-30	5	,822	,087

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	setelah induksi UV-A - hari ke-30	-54,800	7,823	3,499	-64,514	-45,086	-15,664	4	,000

10.3 Hasil uji one way ANOVA peningkatan persen kolagen, elastisitas, dan kelembaban pada hari ke-30

10.3.1 Persen kolagen

One-Sample Kolmogorov-Smirnov Test

		peningkatan parameter
N		25
Normal Parameters[a,b]	Mean	15,56
	Std. Deviation	6,929
Most Extreme Differences	Absolute	,210
	Positive	,141
	Negative	-,210
Test Statistic		,210
Asymp. Sig. (2-tailed)		,060

a. Test distribution is Normal.
b. Calculated from data.

ANOVA

peningkatan parameter

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1116,960	4	279,240	158,659	,000
Within Groups	35,200	20	1,760		
Total	1152,160	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	95% Confidence Interval Upper Bound
krim ekstrak 0,5%	krim ekstrak 1%	-6,200*	,839	,000	-8,71	-3,69
	krim ekstrak 2%	-6,000*	,839	,000	-8,51	-3,49
	krim kontrol negatif	9,600*	,839	,000	7,09	12,11
	krim kontrol positif	-9,200*	,839	,000	-11,71	-6,69
krim ekstrak 1%	krim ekstrak 0,5%	6,200*	,839	,000	3,69	8,71
	krim ekstrak 2%	,200	,839	,999	-2,31	2,71
	krim kontrol negatif	15,800*	,839	,000	13,29	18,31
	krim kontrol positif	-3,000*	,839	,014	-5,51	-,49
krim ekstrak 2%	krim ekstrak 0,5%	6,000*	,839	,000	3,49	8,51
	krim ekstrak 1%	-,200	,839	,999	-2,71	2,31
	krim kontrol negatif	15,600*	,839	,000	13,09	18,11
	krim kontrol positif	-3,200*	,839	,009	-5,71	-,69
krim kontrol negatif	krim ekstrak 0,5%	-9,600*	,839	,000	-12,11	-7,09
	krim ekstrak 1%	-15,800*	,839	,000	-18,31	-13,29
	krim ekstrak 2%	-15,600*	,839	,000	-18,11	-13,09
	krim kontrol positif	-18,800*	,839	,000	-21,31	-16,29
krim kontrol positif	krim ekstrak 0,5%	9,200*	,839	,000	6,69	11,71
	krim ekstrak 1%	3,000*	,839	,014	,49	5,51
	krim ekstrak 2%	3,200*	,839	,009	,69	5,71
	krim kontrol negatif	18,800*	,839	,000	16,29	21,31

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

peningkatan parameter

Tukey HSD[a]

Krim	N	Subset for alpha = 0.05			
		1	2	3	4
krim kontrol negatif	5	3,60			
krim ekstrak 0,5%	5		13,20		
krim ekstrak 2%	5			19,20	
krim ekstrak 1%	5			19,40	
krim kontrol positif	5				22,40
Sig.		1,000	1,000	,999	1,000

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 5,000.

10.3.2 Persen elastisitas

One-Sample Kolmogorov-Smirnov Test

		peningkatan parameter
N		25
Normal Parameters[a,b]	Mean	21,96
	Std. Deviation	11,149
Most Extreme Differences	Absolute	,173
	Positive	,146
	Negative	-,173
Test Statistic		,173
Asymp. Sig. (2-tailed)		,053[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	2896,560	4	724,140	63,970	,000
Within Groups	226,400	20	11,320		
Total	3122,960	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 0,5%	krim ekstrak 1%	-1,600	2,128	,941	-7,97	4,77
	krim ekstrak 2%	-1,800	2,128	,913	-8,17	4,57
	krim kontrol negatif	24,800*	2,128	,000	18,43	31,17
	krim kontrol positif	-4,200	2,128	,314	-10,57	2,17
krim ekstrak 1%	krim ekstrak 0,5%	1,600	2,128	,941	-4,77	7,97
	krim ekstrak 2%	-,200	2,128	1,000	-6,57	6,17
	krim kontrol negatif	26,400*	2,128	,000	20,03	32,77
	krim kontrol positif	-2,600	2,128	,739	-8,97	3,77
krim ekstrak 2%	krim ekstrak 0,5%	1,800	2,128	,913	-4,57	8,17
	krim ekstrak 1%	,200	2,128	1,000	-6,17	6,57
	krim kontrol negatif	26,600*	2,128	,000	20,23	32,97
	krim kontrol positif	-2,400	2,128	,790	-8,77	3,97

krim kontrol negative	krim ekstrak 0,5%	-24,800*	2,128	,000	-31,17	-18,43
	krim ekstrak 1%	-26,400*	2,128	,000	-32,77	-20,03
	krim ekstrak 2%	-26,600*	2,128	,000	-32,97	-20,23
	krim kontrol positif	-29,000*	2,128	,000	-35,37	-22,63
krim kontrol positif	krim ekstrak 0,5%	4,200	2,128	,314	-2,17	10,57
	krim ekstrak 1%	2,600	2,128	,739	-3,77	8,97
	krim ekstrak 2%	2,400	2,128	,790	-3,97	8,77
	krim kontrol negatif	29,000*	2,128	,000	22,63	35,37

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

peningkatan parameter

Tukey HSD[a]

Krim	N	Subset for alpha = 0.05	
		1	2
krim kontrol negatif	5	2,60	
krim ekstrak 0,5%	5		27,40
krim ekstrak 1%	5		29,00
krim ekstrak 2%	5		29,20
krim kontrol positif	5		31,60
Sig.		1,000	,314

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 5,000.

10.3.3 Persen kelembaban

One-Sample Kolmogorov-Smirnov Test

		peningkatan parameter
N		25
Normal Parameters[a,b]	Mean	43,44
	Std. Deviation	14,931
Most Extreme Differences	Absolute	,142
	Positive	,092
	Negative	-,142
Test Statistic		,142
Asymp. Sig. (2-tailed)		,200

a. Test distribution is Normal.
b. Calculated from data.

ANOVA

peningkatan parameter

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4537,360	4	1134,340	27,912	,000
Within Groups	812,800	20	40,640		
Total	5350,160	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 0,5%	krim ekstrak 1%	-18,000*	4,032	,002	-30,06	-5,94
	krim ekstrak 2%	-18,600*	4,032	,001	-30,66	-6,54
	krim kontrol negatif	14,200*	4,032	,016	2,14	26,26
	krim kontrol positif	-19,800*	4,032	,001	-31,86	-7,74
krim ekstrak 1%	krim ekstrak 0,5%	18,000*	4,032	,002	5,94	30,06
	krim ekstrak 2%	-,600	4,032	1,000	-12,66	11,46
	krim kontrol negatif	32,200*	4,032	,000	20,14	44,26
	krim kontrol positif	-1,800	4,032	,991	-13,86	10,26
krim ekstrak 2%	krim ekstrak 0,5%	18,600*	4,032	,001	6,54	30,66
	krim ekstrak 1%	,600	4,032	1,000	-11,46	12,66
	krim kontrol negatif	32,800*	4,032	,000	20,74	44,86
	krim kontrol positif	-1,200	4,032	,998	-13,26	10,86
krim kontrol negatif	krim ekstrak 0,5%	-14,200*	4,032	,016	-26,26	-2,14
	krim ekstrak 1%	-32,200*	4,032	,000	-44,26	-20,14
	krim ekstrak 2%	-32,800*	4,032	,000	-44,86	-20,74
	krim kontrol positif	-34,000*	4,032	,000	-46,06	-21,94
krim kontrol positif	krim ekstrak 0,5%	19,800*	4,032	,001	7,74	31,86
	krim ekstrak 1%	1,800	4,032	,991	-10,26	13,86
	krim ekstrak 2%	1,200	4,032	,998	-10,86	13,26
	krim kontrol negatif	34,000*	4,032	,000	21,94	46,06

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

peningkatan parameter

Tukey HSD[a]

Krim	N	Subset for alpha = 0.05		
		1	2	3
krim kontrol negatif	5	20,80		
krim ekstrak 0,5%	5		35,00	
krim ekstrak 1%	5			53,00
krim ekstrak 2%	5			53,60
krim kontrol positif	5			54,80
Sig.		1,000	1,000	,991

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5,000.