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## Lampiran 1. Hasil determinasi daun binahong

  
**UNIVERSITAS SETIA BUDI**  
**UPT-LABORATORIUM**  
Jl. Letjen Sutoyo, Mojosongo-Solo 57127 Telp. 0271-852518, Fax. 0271-853275

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Nomor : 155/DET/UPT-LAB/05.03.2021  
Hal : Hasil determinasi tumbuhan  
Lamp. : -

Nama Pemesan : Yuningsih  
NIM : 23175186A  
Alamat : Program studi S1 Farmasi,  
Universitas Setia Budi, Surakarta  
Nama sampel : *Anredera cordifolia* (Tenore) Steen. / Binahong

**HASIL DETERMINASI TUMBUHAN**

**Klasifikasi**

Kingdom : Plantae  
Super Divisi : Spermatophyta  
Divisi : Magnoliophyta  
Kelas : Magnoliopsida  
Ordo : Caryophyllales  
Famili : Basellaceae  
Genus : Anredera  
Species : *Anredera cordifolia* (Tenore) Steen.

Hasil Determinasi menurut C.A. Backer & R.C. Bakhuizen van den Brink Jr. (1963) dan She *et al.* (2005) :

1b - 2b - 3b - 4b - 12b - b13b - b14b - 17b - 18b - 19b - 20b - 21b - 22b - 23b - 24b - 25b - 26b - 27a - 28b - 29b - 30b - 31b - 403 b - 404b - 405b - 414a - 415b - 451b - 466b - 467b - 468b - 469b - 470e - 541a. familia 49. Basellaceae. 1b. Anredera. *Anredera cordifolia* (Tenore) Steen.

**Deskripsi:**

Habitus : Herba, menahun, tumbuh menjalar.  
Akar : Akar rimpang.

Jl. Letjen Sutoyo, Mojosongo-Solo 57127 Telp. 0271-852518, Fax. 0271-853275  
Homepage : [www.setiabudi.ac.id](http://www.setiabudi.ac.id), e-mail : [info@setiabudi.ac.id](mailto:info@setiabudi.ac.id)

- Batang** : Batang lunak, silindris, berwarna merah, saling membelit, masif, permukaan halus, dapat membentuk semacam umbi yang melekat di ketiak daun dengan permukaan kasar dan tidak beraturan.
- Daun** : Daun tunggal, bulat telur, tangkai pendek, berseling, pangkal berlekuk sampai runcing, ujung runcing atau tumpul, tepi rata, permukaan daun licin, panjang 5,6 – 7,1 cm, lebar 3,2 – 5,2 cm, tulang daun menyirip, tebal, berdaging, hijau tua.
- Bunga** : Bunga majemuk, tandan, bertangkai panjang, muncul dari ketiak daun, daun mahkota 5, berwarna krem keputihan, tidak berlekatan, berbau harum.

Surakarta, 5 Maret 2021

Kepala UPT-LAB  
Universitas Setia Budi


Penanggung jawab  
Determinasi Tumbuhan



Asik Gunawan, Amdk

Dra. Dewi Sulistyawati. M.Sc.

## Lampiran 2. Surat keterangan hewan uji

**PEMERINTAH KOTA SURAKARTA  
DINAS PERTANIAN,  
KETAHANAN PANGAN DAN PERIKANAN**  
Jl. Yap Tjwan Bing (Jagalan) No. 26 Telp. (0271) 656816 – Fax. (0271) 656816  
Website [www.disperten.surakarta.co.id](http://www.disperten.surakarta.co.id) E-mail [pertanian\\_ska@yahoo.co.id](mailto:pertanian_ska@yahoo.co.id)  
SURAKARTA  
57124

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**SURAT KETERANGAN KESEHATAN HEWAN**  
Nomor : 524.3/ 196 /SKKH

Yang bertandatangan di bawah ini drh. Evy Nurwulandari Dokter Hewan yang berwenang di wilayah Kota Surakarta, menerangkan bahwa pada hari **Senin** tanggal **22** bulan **Februari** tahun **2021** telah memeriksa hewan di bawah ini :

NO	JENIS HEWAN	SUB SPESIES/ TRAH	JUMLAH (ekor)			UMUR ( bln )	Tanda / Warna
			Jtn	Btn	Total		
1	Kelinci	New Zealand	6	0	6	3-4	Putih

Menerangkan bahwa hewan-hewan tersebut di atas : sehat, atau saat pemeriksaan tidak menunjukkan tanda klinis penyakit hewan menular, khususnya Avian Influenza (30 hari terakhir tidak terjadi wabah Avian Influenza radius 1 km dari tempat asal hewan).


**KETERANGAN :**

Nama pemilik/pengirim : Sdr. Yuliyanto Ratno Saputro  
No KTP/SIM pemilik/pengirim : 3372053007720003  
No telp. Pemilik/pengirim : 082133998945  
Alamat pemilik/pengirim : Sumber Rt.04 Rw.03 Surakarta.  
Daerah asal hewan : Pasar Burung Depok, Surakarta.  
Daerah tujuan : Universitas Setia Budi Surakarta  
Nama dan alamat penerima : Yuningsih  
Rencana dikirim : Senin, 22 Februari 2021  
Kendaraan : Mobil.

Setelah sampai di daerah tujuan segera melaporkan ke dinas yang membidangi fungsi peternakan dan kesehatan hewan.

Surakarta, 22 Februari 2021.

a.n. KEPALA DINAS PERTANIAN'  
KETAHANAN PANGAN DAN PERIKANAN  
KOTA SURAKARTA  
Kepala Bidang Keswan Kesmavet

  
**drh. EVY NURWULANDARI**  
Pembina  
NIP. 19700806199803 2 004


Tembusan Yth :

1. Walikota Surakarta (sebagai laporan);
2. Kepala Dinas Peternakan dan Kesehatan Hewan Provinsi Jawa Tengah;
3. Kepala Balai Karantina Surakarta;
4. Arsip.

Lampiran 3. Surat keterangan *ethical clearance*

3/19/2021

KEPK-RSDM

 **HEALTH RESEARCH ETHICS COMMITTEE**  
**KOMISI ETIK PENELITIAN KESEHATAN**

***Dr. Moewardi General Hospital***  
**RSUD Dr. Moewardi**

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**ETHICAL CLEARANCE**  
**KELAIKAN ETIK**

Nomor : 301 / III / HREC / 2021

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

**FORMULASI DAN UJI AKTIVITAS GEL EKSTRAK ETANOL DAUN BINAHONG (*Anredera cordifolia* (Ten) Steenis) SEBAGAI PENYEMBUH LUKA BAKAR PADA KULIT PUNGGUNG KELINCI**


Principal investigator : Yuningsih  
Peneliti Utama 23175186A

Location of research : Universitas Setia Budi  
Lokasi Tempat Penelitian

Is ethically approved  
Dinyatakan layak etik

Issued on : 19 Maret 2021




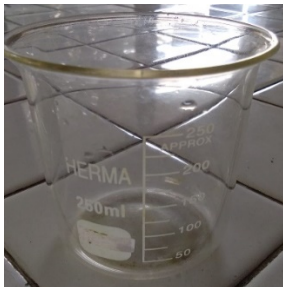



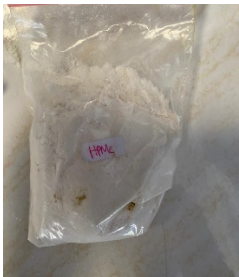

Chairman  
Ketua

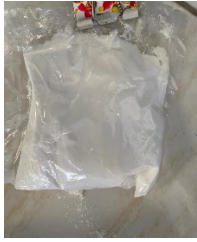
  
Dr. Wahyu Dwi Atmoko., Sp.F  
19770224 201001 1 004

<https://komisi-etika.rsmoewardi.com/kep/ethicalclearance/23175186A-0288>

1/1

**Lampiran 4. Gambar alat dan bahan penelitian**

<p><b>1. Gelas ukur</b></p> 	<p><b>2. Corong</b></p> 	<p><b>3. Bunsen</b></p> 
<p><b>4. Beaker glass</b></p> 	<p><b>5. Cawan</b></p> 	<p><b>6. Alat uji daya sebar</b></p> 
<p><b>7. Moisture balance</b></p> 	<p><b>8. HPMC</b></p> 	<p><b>9. Propilenglikol</b></p> 
<p><b>10. Metil paraben</b></p>	<p><b>11. Gliserin</b></p>	<p><b>12. Aquadest</b></p>



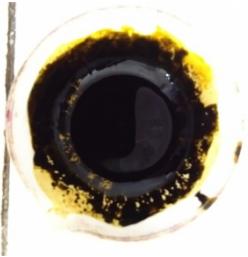
**11. Ekstrak**



**13. Spiritus**



**14. Etanol 96%**



**15. Oven**









**16. Ayakan**






**17. Timbangan analitik**



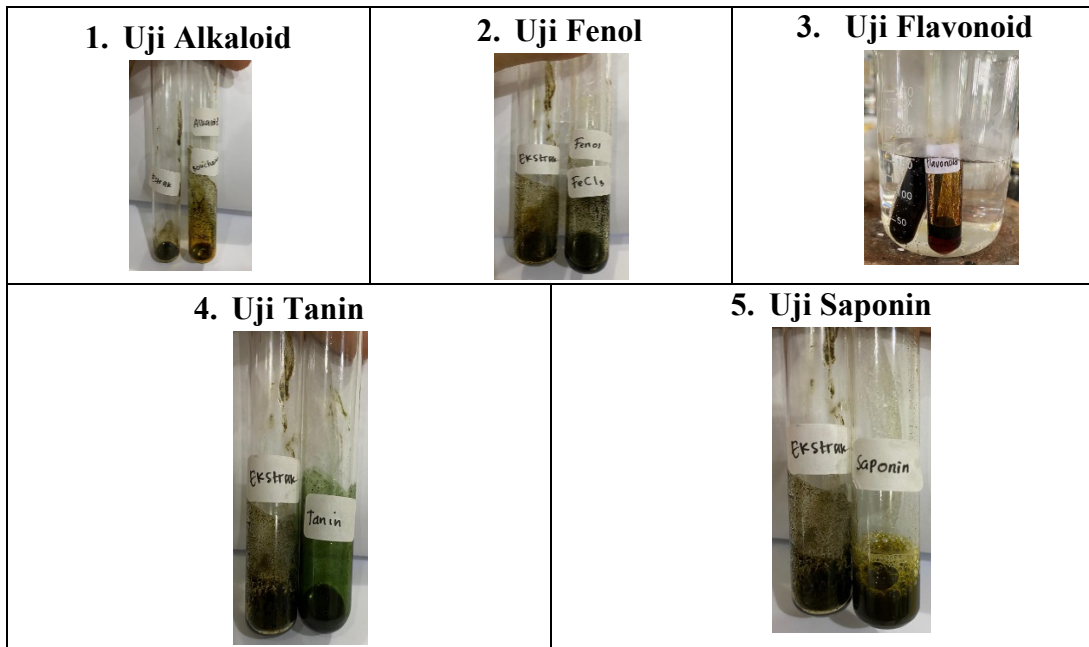
<p><b>18. botol maserasi</b></p> 	<p><b>19. Rotary vacuum evaporatory</b></p> 	<p><b>20. pH meter</b></p> 
<p><b>21. Batang pengaduk</b></p> 	<p><b>22. Kain flanel</b></p>	<p><b>23. Mortir dan stamper</b></p>
<p><b>24. Pipet tetes</b></p>	<p><b>25. Viskometer</b></p> 	<p><b>26. Pot gel</b></p> 





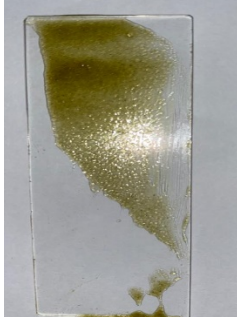




**Lampiran 5. Gambar proses maserasi**

<p>1. Proses maserasi</p> 	<p>2. Penyaringan dengan kertas saring</p> 	<p>3. Proses evaporasi</p> 
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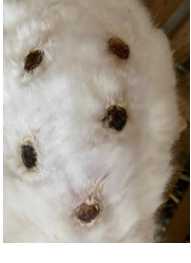


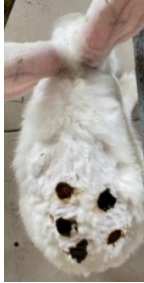
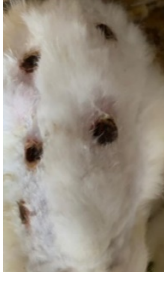
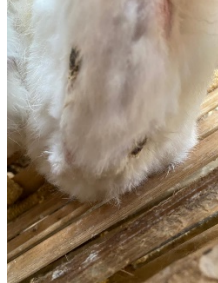


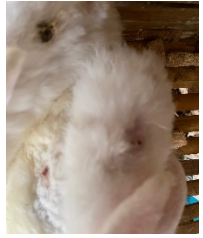

**Lampiran 6. Gambar proses pengujian senyawa kimia ekstrak daun binahong**



**Lampiran 7. Gambar proses pengujian sifat fisik sediaan gel ekstrak daun binahong**

<p><b>1. Uji daya lekat</b></p> 	<p><b>2. Uji daya sebar</b></p> 	<p><b>3. Uji homogenitas</b></p> 
<p><b>4. Uji organoleptic</b></p> 	<p><b>5. Uji pH</b></p> 	<p><b>6. Uji stabilitas</b></p> 
<p><b>7. Uji viskositas</b></p> 		

Lampiran 8. Gambar hasil uji luka bakar

Hewan uji	Hari ke-1	Hari ke-7	Hari ke-14	Hari ke-21
Kelinci 1				
Kelinci 2				
Kelinci 3				
Kelinci 4				

<p><b>Kelinci</b> <b>5</b></p>				
<p><b>Kelinci</b> <b>6</b></p>				

**Lampiran 9. Hasil analisis data statistik terhadap uji daya lekat, daya sebar, uji ph, dan uji viskositas**

**Uji ph hari ke 7**

**NPar Tests**

Descriptive Statistics					
	N	Mean	Std. Deviation	Minimum	Maximum
pH	12	5,5158	1,11442	4,47	7,20

**One-Sample Kolmogorov-Smirnov Test**

		pH	
N		12	
Normal Parameters <sup>a,b</sup>	Mean	5,5158	
	Std. Deviation	1,11442	
Most Extreme Differences	Absolute	,240	
	Positive	,240	
	Negative	-,176	
Test Statistic		,240	
Asymp. Sig. (2-tailed) <sup>c</sup>		,055	
Monte Carlo Sig. (2-tailed) <sup>d</sup>	Sig.	,056	
	99% Confidence Interval	Lower Bound	,050
		Upper Bound	,062

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 112562564.

**Oneway**

**Descriptives**

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Basis	3	7,1633	,03512	,02028	7,0761	7,2506	7,13	7,20
Ekstrak 15%	3	5,7333	,20817	,12019	5,2162	6,2504	5,50	5,90

Ekstrak 20%	3	4,6667	,11547	,06667	4,3798	4,9535	4,60	4,80
Ekstrak 30%	3	4,5000	,03000	,01732	4,4255	4,5745	4,47	4,53
Total	12	5,5158	1,11442	,32171	4,8078	6,2239	4,47	7,20

### Tests of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
pH	Based on Mean	5,344	3	8	,026
	Based on Median	,895	3	8	,485
	Based on Median and with adjusted df	,895	3	3,872	,519
	Based on trimmed mean	4,749	3	8	,035

### ANOVA

pH					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	13,544	3	4,515	307,113	,000
Within Groups	,118	8	,015		
Total	13,661	11			

### Post Hoc Tests

#### Multiple Comparisons

Dependent Variable: pH

Tukey HSD

(I) Formula	(J) Formula	Mean			95% Confidence Interval	
		Difference (I-J)	Std. Error	Sig.	Lower Bound	Upper Bound
Basis	Ekstrak 15%	1,43000*	,09899	,000	1,1130	1,7470
	Ekstrak 20%	2,49667*	,09899	,000	2,1796	2,8137
	Ekstrak 30%	2,66333*	,09899	,000	2,3463	2,9804
Ekstrak 15%	Basis	-1,43000*	,09899	,000	-1,7470	-1,1130
	Ekstrak 20%	1,06667*	,09899	,000	,7496	1,3837
	Ekstrak 30%	1,23333*	,09899	,000	,9163	1,5504
Ekstrak 20%	Basis	-2,49667*	,09899	,000	-2,8137	-2,1796
	Ekstrak 15%	-1,06667*	,09899	,000	-1,3837	-,7496
	Ekstrak 30%	,16667	,09899	,391	-,1504	,4837

Ekstrak 30%	Basis	-2,66333*	,09899	,000	-2,9804	-2,3463
	Ekstrak 15%	-1,23333*	,09899	,000	-1,5504	-,9163
	Ekstrak 20%	-,16667	,09899	,391	-,4837	,1504

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

### Homogeneous Subsets

#### pH

Tukey HSD<sup>a</sup>

Formula	N	Subset for alpha = 0.05		
		1	2	3
Ekstrak 30%	3	4,5000		
Ekstrak 20%	3	4,6667		
Ekstrak 15%	3		5,7333	
Basis	3			7,1633
Sig.		,391	1,000	1,000

Means for groups in homogeneous subsets are displayed.

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

### Uji ph hari ke 14

#### NPar Tests

##### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
pH	12	5,8333	,94199	4,70	7,25

#### One-Sample Kolmogorov-Smirnov Test

		pH
N		12
Normal Parameters <sup>a,b</sup>	Mean	5,8333
	Std. Deviation	,94199
Most Extreme Differences	Absolute	,239
	Positive	,239
	Negative	-,179
Test Statistic		,239
Asymp. Sig. (2-tailed) <sup>c</sup>		,057



Monte Carlo Sig. (2-tailed) <sup>d</sup>	Sig.	,058
	99% Confidence Interval	
	Lower Bound	,052
	Upper Bound	,064

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 303130861.

### Oneway

#### Descriptives

pH

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Basis	3	7,2400	,01732	,01000	7,1970	7,2830	7,22	7,25
Ekstrak 15%	3	5,8467	,01528	,00882	5,8087	5,8846	5,83	5,86
Ekstrak 20%	3	5,4800	,06557	,03786	5,3171	5,6429	5,42	5,55
Ekstrak 30%	3	4,7667	,11547	,06667	4,4798	5,0535	4,70	4,90
Total	12	5,8333	,94199	,27193	5,2348	6,4318	4,70	7,25

#### Tests of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
pH	Based on Mean	6,132	3	8	,018
	Based on Median	,598	3	8	,634
	Based on Median and with adjusted df	,598	3	2,616	,664
	Based on trimmed mean	5,196	3	8	,028

### ANOVA

pH

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	9,725	3	3,242	713,727	,000
Within Groups	,036	8	,005		
Total	9,761	11			

### Post Hoc Tests

#### Multiple Comparisons

Dependent Variable: pH

Tukey HSD

(I) Formula	(J) Formula	Mean			95% Confidence Interval	
		Difference (I-J)	Std. Error	Sig.	Lower Bound	Upper Bound
Basis	Ekstrak 15%	1,39333*	,05503	,000	1,2171	1,5695
	Ekstrak 20%	1,76000*	,05503	,000	1,5838	1,9362
	Ekstrak 30%	2,47333*	,05503	,000	2,2971	2,6495
Ekstrak 15%	Basis	-1,39333*	,05503	,000	-1,5695	-1,2171
	Ekstrak 20%	,36667*	,05503	,001	,1905	,5429
	Ekstrak 30%	1,08000*	,05503	,000	,9038	1,2562
Ekstrak 20%	Basis	-1,76000*	,05503	,000	-1,9362	-1,5838
	Ekstrak 15%	-,36667*	,05503	,001	-,5429	-,1905
	Ekstrak 30%	,71333*	,05503	,000	,5371	,8895
Ekstrak 30%	Basis	-2,47333*	,05503	,000	-2,6495	-2,2971
	Ekstrak 15%	-1,08000*	,05503	,000	-1,2562	-,9038
	Ekstrak 20%	-,71333*	,05503	,000	-,8895	-,5371

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

### Homogeneous Subsets

pH

Tukey HSD<sup>a</sup>

Formula	N	Subset for alpha = 0.05			
		1	2	3	4
Ekstrak 30%	3	4,7667			
Ekstrak 20%	3		5,4800		
Ekstrak 15%	3			5,8467	
Basis	3				7,2400
Sig.		1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

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

## Uji ph hari ke 21

### NPar Tests

Descriptive Statistics					
	N	Mean	Std. Deviation	Minimum	Maximum
pH	12	5,8883	1,23374	4,28	7,55

### One-Sample Kolmogorov-Smirnov Test

		pH	
N		12	
Normal Parameters <sup>a,b</sup>	Mean	5,8883	
	Std. Deviation	1,23374	
Most Extreme Differences	Absolute	,151	
	Positive	,148	
	Negative	-,151	
Test Statistic		,151	
Asymp. Sig. (2-tailed) <sup>c</sup>		,200 <sup>d</sup>	
Monte Carlo Sig. (2-tailed) <sup>e</sup>	Sig.	,624	
	99% Confidence Interval	Lower Bound	,612
		Upper Bound	,637

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

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

e. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 92208573.

### Oneway

#### Descriptives

pH

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Basis	3	7,5100	,03606	,02082	7,4204	7,5996	7,48	7,55
Ekstrak 15%	3	6,3267	,19296	,11141	5,8473	6,8060	6,11	6,48
Ekstrak 20%	3	5,4100	,06245	,03606	5,2549	5,5651	5,36	5,48
Ekstrak 30%	3	4,3067	,02309	,01333	4,2493	4,3640	4,28	4,32
Total	12	5,8883	1,23374	,35615	5,1045	6,6722	4,28	7,55

#### Tests of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
pH	Based on Mean	5,944	3	8	,020
	Based on Median	1,271	3	8	,348
	Based on Median and with adjusted df	1,271	3	2,658	,437
	Based on trimmed mean	5,375	3	8	,025

#### ANOVA

pH

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	16,657	3	5,552	516,904	,000
Within Groups	,086	8	,011		

### Homogeneous Subsets

#### pH

Tukey HSD<sup>a</sup>

Formula	N	Subset for alpha = 0.05			
		1	2	3	4
Ekstrak 30%	3	4,3067			
Ekstrak 20%	3		5,4100		
Ekstrak 15%	3			6,3267	
Basis	3				7,5100
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.

### Perbandingan uji ph 1 dan 21

#### NPar Tests

##### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
pH1	12	6,1092	1,09142	4,72	7,60
pH21	12	5,8883	1,23374	4,28	7,55

#### One-Sample Kolmogorov-Smirnov Test

		pH1	pH21	
N		12	12	
Normal Parameters <sup>a,b</sup>	Mean	6,1092	5,8883	
	Std. Deviation	1,09142	1,23374	
Most Extreme Differences	Absolute	,161	,151	
	Positive	,150	,148	
	Negative	-,161	-,151	
Test Statistic		,161	,151	
Asymp. Sig. (2-tailed) <sup>c</sup>		,200 <sup>d</sup>	,200 <sup>d</sup>	
Monte Carlo Sig. (2-tailed) <sup>e</sup>	Sig.	,521	,621	
	99% Confidence Interval	Lower Bound	,508	,609
		Upper Bound	,534	,633

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

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

e. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 484067124.

### T-Test

#### Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	pH1	6,1092	12	1,09142	,31507
	pH21	5,8883	12	1,23374	,35615

#### Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	pH1 & pH21	12	,997	,000

#### Paired Samples Test

Pair		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower	Upper			
1	pH1 - pH21	,22083	,16984	,04903	,11292	,32874	4,504	11	,001

#### Paired Samples Effect Sizes

Pair		Standardizer <sup>a</sup>	Point Estimate	95% Confidence Interval	
				Lower	Upper
1	pH1 - pH21	Cohen's d	,16984	1,300	2,065
		Hedges' correction	,17592	1,255	1,993

a. The denominator used in estimating the effect sizes.

Cohen's d uses the sample standard deviation of the mean difference.

Hedges' correction uses the sample standard deviation of the mean difference, plus a correction factor.

## Perbandingan uji pH 1 dan pH 21

### NPar Tests

#### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
pH1	12	6,1092	1,09142	4,72	7,60
pH21	12	5,8883	1,23374	4,28	7,55

### One-Sample Kolmogorov-Smirnov Test

		pH1	pH21	
N		12	12	
Normal Parameters <sup>a,b</sup>	Mean	6,1092	5,8883	
	Std. Deviation	1,09142	1,23374	
Most Extreme Differences	Absolute	,161	,151	
	Positive	,150	,148	
	Negative	-,161	-,151	
Test Statistic		,161	,151	
Asymp. Sig. (2-tailed) <sup>c</sup>		,200 <sup>d</sup>	,200 <sup>d</sup>	
Monte Carlo Sig. (2-tailed) <sup>e</sup>	Sig.	,521	,621	
	99% Confidence Interval	Lower Bound	,508	,609
		Upper Bound	,534	,633

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

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

e. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 484067124.

### Uji daya sebar hari 1

#### NPar Tests

##### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
DayaSebar	12	4,6483	,54082	3,90	5,41

### One-Sample Kolmogorov-Smirnov Test

		DayaSebar
N		12
Normal Parameters <sup>a,b</sup>	Mean	4,6483
	Std. Deviation	,54082
Most Extreme Differences	Absolute	,186
	Positive	,186
	Negative	-,180
Test Statistic		,186
Asymp. Sig. (2-tailed) <sup>c</sup>		,200 <sup>d</sup>
Monte Carlo Sig. (2-tailed) <sup>e</sup>	Sig.	,295

	99% Confidence Interval	Lower Bound	,284
		Upper Bound	,307

- Test distribution is Normal.
- Calculated from data.
- Lilliefors Significance Correction.
- This is a lower bound of the true significance.
- Lilliefors' method based on 10000 Monte Carlo samples with starting seed 926214481.

### Oneway

#### Descriptives

DayaSebar

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Basis	3	5,1833	,21502	,12414	4,6492	5,7175	4,97	5,40
Ekstrak 15%	3	4,0500	,13229	,07638	3,7214	4,3786	3,90	4,15
Ekstrak 20%	3	4,9967	,35810	,20675	4,1071	5,8862	4,78	5,41
Ekstrak 30%	3	4,3633	,38280	,22101	3,4124	5,3143	4,05	4,79
Total	12	4,6483	,54082	,15612	4,3047	4,9920	3,90	5,41

### ANOVA

DayaSebar

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2,540	3	,847	10,006	,000
Within Groups	,677	8	,085		
Total	3,217	11			

### Post Hoc Tests

#### Multiple Comparisons

Dependent Variable: DayaSebar

Tukey HSD

(I) Formula	(J) Formula	Mean			95% Confidence Interval	
		Difference (I-J)	Std. Error	Sig.	Lower Bound	Upper Bound
Basis	Ekstrak 15%	1,13333*	,23752	,006	,3727	1,8940
	Ekstrak 20%	,18667	,23752	,859	-,5740	,9473
	Ekstrak 30%	,82000*	,23752	,035	,0594	1,5806



Ekstrak 15%	Basis	-1,13333*	,23752	,006	-1,8940	-,3727
	Ekstrak 20%	-,94667*	,23752	,017	-1,7073	-,1860
	Ekstrak 30%	-,31333	,23752	,577	-1,0740	,4473
Ekstrak 20%	Basis	-,18667	,23752	,859	-,9473	,5740
	Ekstrak 15%	,94667*	,23752	,017	,1860	1,7073
	Ekstrak 30%	,63333	,23752	,106	-,1273	1,3940
Ekstrak 30%	Basis	-,82000*	,23752	,035	-1,5806	-,0594
	Ekstrak 15%	,31333	,23752	,577	-,4473	1,0740
	Ekstrak 20%	-,63333	,23752	,106	-1,3940	,1273

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

### Homogeneous Subsets

#### DayaSebar

Tukey HSD<sup>a</sup>

Formula	N	Subset for alpha = 0.05		
		1	2	3
Ekstrak 15%	3	4,0500		
Ekstrak 30%	3	4,3633	4,3633	
Ekstrak 20%	3		4,9967	4,9967
Basis	3			5,1833
Sig.		,577	,106	,859

Means for groups in homogeneous subsets are displayed.

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

### Perbandingan daya sebar hari ke-1 dan ke-21

#### NPar Tests

	Descriptive Statistics				
	N	Mean	Std. Deviation	Minimum	Maximum
DayaSebar1	12	4,6483	,54082	3,90	5,41
DayaSebar21	12	4,6917	,66805	3,60	5,50

**One-Sample Kolmogorov-Smirnov Test**

		DayaSebar1	DayaSebar21	
N		12	12	
Normal Parameters <sup>a,b</sup>	Mean	4,6483	4,6917	
	Std. Deviation	,54082	,66805	
Most Extreme Differences	Absolute	,186	,178	
	Positive	,186	,132	
	Negative	-,180	-,178	
Test Statistic		,186	,178	
Asymp. Sig. (2-tailed) <sup>c</sup>		,200 <sup>d</sup>	,200 <sup>d</sup>	
Monte Carlo Sig. (2-tailed) <sup>e</sup>	Sig.	,293	,362	
	99% Confidence Interval	Lower Bound	,281	,350
		Upper Bound	,304	,375

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

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

e. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 624387341.

**T-Test**

**Paired Samples Statistics**

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	DayaSebar1	4,6483	12	,54082	,15612
	DayaSebar21	4,6917	12	,66805	,19285

**Paired Samples Correlations**

		N	Correlation	Sig.
Pair 1	DayaSebar1 & DayaSebar21	12	,326	,302

**Paired Samples Test**

Paired Differences

		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference		t	df	Sig. (2-tailed)
					Lower	Upper			
Pair 1	DayaSebar1 - DayaSebar21	-,04333	,70960	,20484	-,49419	,40753	-,212	11	,836

**Paired Samples Effect Sizes**

			Standardizer <sup>a</sup>	Point Estimate	95% Confidence Interval	
					Lower	Upper
Pair 1	DayaSebar1 -	Cohen's d	,70960	-,061	-,626	,507
	DayaSebar21	Hedges' correction	,73499	-,059	-,604	,489

a. The denominator used in estimating the effect sizes.

Cohen's d uses the sample standard deviation of the mean difference.

Hedges' correction uses the sample standard deviation of the mean difference, plus a correction factor.

**Uji daya sebar hari ke-7**

**NPar Tests**

**Descriptive Statistics**

	N	Mean	Std. Deviation	Minimum	Maximum
DayaSebar	12	3,6369	,54744	2,91	4,42

**One-Sample Kolmogorov-Smirnov Test**

		DayaSebar	
N		12	
Normal Parameters <sup>a,b</sup>	Mean	3,6369	
	Std. Deviation	,54744	
Most Extreme Differences	Absolute	,177	
	Positive	,177	
	Negative	-,125	
Test Statistic		,177	
Asymp. Sig. (2-tailed) <sup>c</sup>		,200 <sup>d</sup>	
Monte Carlo Sig. (2-tailed) <sup>e</sup>	Sig.	,369	
	99% Confidence Interval	Lower Bound	,357
		Upper Bound	,382

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

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

e. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 1310155034.

### Oneway

#### Descriptives

DayaSebar

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Basis	3	4,1871	,21571	,12454	3,6512	4,7229	3,98	4,41
Ekstrak 15%	3	3,0292	,12505	,07220	2,7185	3,3398	2,91	3,16
Ekstrak 20%	3	4,0000	,36277	,20944	3,0988	4,9012	3,78	4,42
Ekstrak 30%	3	3,3312	,32948	,19022	2,5128	4,1497	3,05	3,69
Total	12	3,6369	,54744	,15803	3,2890	3,9847	2,91	4,42

#### Tests of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
DayaSebar	Based on Mean	1,716	3	8	,241
	Based on Median	,244	3	8	,864
	Based on Median and with adjusted df	,244	3	4,174	,862
	Based on trimmed mean	1,534	3	8	,279

### ANOVA

DayaSebar

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2,692	3	,897	11,872	,000
Within Groups	,605	8	,076		
Total	3,297	11			

### Post Hoc Tests

#### Multiple Comparisons

Dependent Variable: DayaSebar

Tukey HSD

(I) Formula	(J) Formula	Mean			95% Confidence Interval	
		Difference (I-J)	Std. Error	Sig.	Lower Bound	Upper Bound
Basis	Ekstrak 15%	1,15792*	,22447	,004	,4391	1,8768
	Ekstrak 20%	,18708	,22447	,837	-,5318	,9059

	Ekstrak 30%	,85583*	,22447	,021	,1370	1,5747
Ekstrak 15%	Basis	-1,15792*	,22447	,004	-1,8768	-,4391
	Ekstrak 20%	-,97083*	,22447	,011	-1,6897	-,2520
	Ekstrak 30%	-,30208	,22447	,562	-1,0209	,4168
Ekstrak 20%	Basis	-,18708	,22447	,837	-,9059	,5318
	Ekstrak 15%	,97083*	,22447	,011	,2520	1,6897
	Ekstrak 30%	,66875	,22447	,068	-,0501	1,3876
Ekstrak 30%	Basis	-,85583*	,22447	,021	-1,5747	-,1370
	Ekstrak 15%	,30208	,22447	,562	-,4168	1,0209
	Ekstrak 20%	-,66875	,22447	,068	-1,3876	,0501

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

### Homogeneous Subsets

#### DayaSebar

Tukey HSD<sup>a</sup>

Formula	N	Subset for alpha = 0.05		
		1	2	3
Ekstrak 15%	3	3,0292		
Ekstrak 30%	3	3,3312	3,3312	
Ekstrak 20%	3		4,0000	4,0000
Basis	3			4,1871
Sig.		,562	,068	,837

Means for groups in homogeneous subsets are displayed.

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

### Uji daya sebar hari ke 14

#### NPar Tests

##### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
DayaSebar	12	3,7310	,42022	3,10	4,63

### One-Sample Kolmogorov-Smirnov Test

		DayaSebar	
N		12	
Normal Parameters <sup>a,b</sup>	Mean	3,7310	
	Std. Deviation	,42022	
Most Extreme Differences	Absolute	,199	
	Positive	,199	
	Negative	-,102	
Test Statistic		,199	
Asymp. Sig. (2-tailed) <sup>c</sup>		,200 <sup>d</sup>	
Monte Carlo Sig. (2-tailed) <sup>e</sup>	Sig.	,205	
	99% Confidence Interval	Lower Bound	,195
		Upper Bound	,215

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

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

e. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 2048628469.

### Oneway Descriptives

DayaSebar

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Basis	3	3,7429	,59015	,34072	2,2769	5,2089	3,10	4,26
Ekstrak 15%	3	3,7417	,20447	,11805	3,2337	4,2496	3,51	3,88
Ekstrak 20%	3	4,0042	,53824	,31075	2,6671	5,3412	3,67	4,63
Ekstrak 30%	3	3,4354	,21923	,12657	2,8908	3,9800	3,23	3,66
Total	12	3,7310	,42022	,12131	3,4640	3,9980	3,10	4,63

### Tests of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
DayaSebar	Based on Mean	2,305	3	8	,153
	Based on Median	,438	3	8	,732

Based on Median and with adjusted df	,438	3	4,640	,736
Based on trimmed mean	2,075	3	8	,182

### ANOVA

DayaSebar

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	,487	3	,162	,892	,000
Within Groups	1,456	8	,182		
Total	1,942	11			

### Post Hoc Tests

#### Multiple Comparisons

Dependent Variable: DayaSebar

Tukey HSD

(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Basis	Ekstrak 15%	,00125	,34829	1,000	-1,1141	1,1166
	Ekstrak 20%	-,26125	,34829	,874	-1,3766	,8541
	Ekstrak 30%	,30751	,34829	,814	-,8078	1,4229
Ekstrak 15%	Basis	-,00125	,34829	1,000	-1,1166	1,1141
	Ekstrak 20%	-,26250	,34829	,873	-1,3779	,8529
	Ekstrak 30%	,30626	,34829	,816	-,8091	1,4216
Ekstrak 20%	Basis	,26125	,34829	,874	-,8541	1,3766
	Ekstrak 15%	,26250	,34829	,873	-,8529	1,3779
	Ekstrak 30%	,56876	,34829	,414	-,5466	1,6841
Ekstrak 30%	Basis	-,30751	,34829	,814	-1,4229	,8078
	Ekstrak 15%	-,30626	,34829	,816	-1,4216	,8091
	Ekstrak 20%	-,56876	,34829	,414	-1,6841	,5466

### Homogeneous Subsets

#### DayaSebar

Tukey HSD<sup>a</sup>

Formula	N	Subset for alpha
		= 0.05
		1
Ekstrak 30%	3	3,4354
Ekstrak 15%	3	3,7417
Basis	3	3,7429
Ekstrak 20%	3	4,0042
Sig.		,414

Means for groups in homogeneous subsets are displayed.

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

### Uji daya sebar hari 21

#### NPar Tests

##### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
DayaSebar	12	4,6917	,66805	3,60	5,50

### One-Sample Kolmogorov-Smirnov Test

		DayaSebar	
N		12	
Normal Parameters <sup>a,b</sup>	Mean	4,6917	
	Std. Deviation	,66805	
Most Extreme Differences	Absolute	,178	
	Positive	,132	
	Negative	-,178	
Test Statistic		,178	
Asymp. Sig. (2-tailed) <sup>c</sup>		,200 <sup>d</sup>	
Monte Carlo Sig. (2-tailed) <sup>c</sup>	Sig.	,369	
	99% Confidence Interval	Lower Bound	,356
		Upper Bound	,381

a. Test distribution is Normal.

b. Calculated from data.



- c. Lilliefors Significance Correction.
- d. This is a lower bound of the true significance.
- e. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 299883525.

**Oneway  
Descriptives**

DayaSebar

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Basis	3	5,0667	,05774	,03333	4,9232	5,2101	5,00	5,10
Ekstrak 15%	3	3,8000	,17321	,10000	3,3697	4,2303	3,60	3,90
Ekstrak 20%	3	4,4333	,11547	,06667	4,1465	4,7202	4,30	4,50
Ekstrak 30%	3	5,4667	,05774	,03333	5,3232	5,6101	5,40	5,50
Total	12	4,6917	,66805	,19285	4,2672	5,1161	3,60	5,50

**ANOVA**

DayaSebar

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4,809	3	1,603	128,244	,000
Within Groups	,100	8	,012		
Total	4,909	11			

**Post Hoc Tests**

**Multiple Comparisons**

Dependent Variable: DayaSebar

Tukey HSD

(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Basis	Ekstrak 15%	1,26667*	,09129	,000	,9743	1,5590
	Ekstrak 20%	,63333*	,09129	,001	,3410	,9257
	Ekstrak 30%	-,40000*	,09129	,010	-,6923	-,1077
Ekstrak 15%	Basis	-1,26667*	,09129	,000	-1,5590	-,9743
	Ekstrak 20%	-,63333*	,09129	,001	-,9257	-,3410
	Ekstrak 30%	-1,66667*	,09129	,000	-1,9590	-1,3743
Ekstrak 20%	Basis	-,63333*	,09129	,001	-,9257	-,3410
	Ekstrak 15%	,63333*	,09129	,001	,3410	,9257
	Ekstrak 30%	-1,03333*	,09129	,000	-1,3257	-,7410

Ekstrak 30%	Basis	,40000*	,09129	,010	,1077	,6923
	Ekstrak 15%	1,66667*	,09129	,000	1,3743	1,9590
	Ekstrak 20%	1,03333*	,09129	,000	,7410	1,3257

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

### Homogeneous Subsets

#### DayaSebar

Tukey HSD<sup>a</sup>

Formula	N	Subset for alpha = 0.05			
		1	2	3	4
Ekstrak 15%	3	3,8000			
Ekstrak 20%	3		4,4333		
Basis	3			5,0667	
Ekstrak 30%	3				5,4667
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.

### Uji daya lekat hari ke 1

#### NPar Tests

#### One-Sample Kolmogorov-Smirnov Test

		DayaLekat	
N		12	
Normal Parameters <sup>a,b</sup>	Mean	3,575	
	Std. Deviation	,3793	
Most Extreme Differences	Absolute	,162	
	Positive	,162	
	Negative	-,140	
Test Statistic		,162	
Asymp. Sig. (2-tailed) <sup>c</sup>		,200 <sup>d</sup>	
Monte Carlo Sig. (2-tailed) <sup>e</sup>	Sig.	,521	
	99% Confidence Interval	Lower Bound	,508
		Upper Bound	,534

a. Test distribution is Normal.

b. Calculated from data.

- c. Lilliefors Significance Correction.
- d. This is a lower bound of the true significance.
- e. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 2000000.

### Oneway

### ANOVA

DayaLekat

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1,449	3	,483	28,983	,000
Within Groups	,133	8	,017		
Total	1,583	11			

### Post Hoc Tests

### Multiple Comparisons

Dependent Variable: DayaLekat

Tukey HSD

(I) Formula	(J) Formula	Mean Difference	Std. Error	Sig.	95% Confidence Interval	
		(I-J)			Lower Bound	Upper Bound
1	2	,3667*	,1054	,034	,029	,704
	3	,6667*	,1054	,001	,329	1,004
	4	,9333*	,1054	,000	,596	1,271
2	1	-,3667*	,1054	,034	-,704	-,029
	3	,3000	,1054	,083	-,038	,638
	4	,5667*	,1054	,003	,229	,904
3	1	-,6667*	,1054	,001	-1,004	-,329
	2	-,3000	,1054	,083	-,638	,038
	4	,2667	,1054	,129	-,071	,604
4	1	-,9333*	,1054	,000	-1,271	-,596
	2	-,5667*	,1054	,003	-,904	-,229
	3	-,2667	,1054	,129	-,604	,071

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

### Homogeneous Subsets

### DayaLekat

Tukey HSD<sup>a</sup>

Formula	N	Subset for alpha = 0.05		
		1	2	3

4	3	3,133		
3	3	3,400	3,400	
2	3		3,700	
1	3			4,067
Sig.		,129	,083	1,000

Means for groups in homogeneous subsets are displayed.

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

### Uji daya lekat hari ke-7

#### NPar Tests

#### One-Sample Kolmogorov-Smirnov Test

		DayaLekat	
N		12	
Normal Parameters <sup>a,b</sup>	Mean	3,500	
	Std. Deviation	,3742	
Most Extreme Differences	Absolute	,122	
	Positive	,120	
	Negative	-,122	
Test Statistic		,122	
Asymp. Sig. (2-tailed) <sup>c</sup>		,200 <sup>d</sup>	
Monte Carlo Sig. (2-tailed) <sup>e</sup>	Sig.	,895	
	99% Confidence Interval	Lower Bound	,887
		Upper Bound	,903

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

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

e. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 299883525.

#### Oneway

#### ANOVA

DayaLekat

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1,273	3	,424	12,733	,000
Within Groups	,267	8	,033		
Total	1,540	11			

**Post Hoc Tests  
Multiple Comparisons**

Dependent Variable: DayaLekat

Tukey HSD

(I) Formula	(J) Formula	Mean Difference		Sig.	95% Confidence Interval	
		(I-J)	Std. Error		Lower Bound	Upper Bound
1	2	,3333	,1491	,193	-,144	,811
	3	,7000*	,1491	,007	,223	1,177
	4	,8333*	,1491	,002	,356	1,311
2	1	-,3333	,1491	,193	-,811	,144
	3	,3667	,1491	,142	-,111	,844
	4	,5000*	,1491	,040	,023	,977
3	1	-,7000*	,1491	,007	-1,177	-,223
	2	-,3667	,1491	,142	-,844	,111
	4	,1333	,1491	,808	-,344	,611
4	1	-,8333*	,1491	,002	-1,311	-,356
	2	-,5000*	,1491	,040	-,977	-,023
	3	-,1333	,1491	,808	-,611	,344

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

**Homogeneous Subsets**

**DayaLekat**

Tukey HSD<sup>a</sup>

Formula	N	Subset for alpha = 0.05		
		1	2	3
4	3	3,133		
3	3	3,267	3,267	
2	3		3,633	3,633
1	3			3,967
Sig.		,808	,142	,193

Means for groups in homogeneous subsets are displayed.

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

## Uji daya lekat hari ke-14

### NPar Tests One-Sample Kolmogorov-Smirnov Test

		DayaLekat	
N		12	
Normal Parameters <sup>a,b</sup>	Mean	3,392	
	Std. Deviation	,3605	
Most Extreme Differences	Absolute	,267	
	Positive	,267	
	Negative	-,139	
Test Statistic		,267	
Asymp. Sig. (2-tailed) <sup>c</sup>		,018	
Monte Carlo Sig. (2-tailed) <sup>d</sup>	Sig.	,020	
	99% Confidence Interval	Lower Bound	,016
		Upper Bound	,023

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 926214481.

### Oneway ANOVA

DayaLekat

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1,283	3	,428	23,318	,000
Within Groups	,147	8	,018		
Total	1,429	11			

**Post Hoc Tests**  
**Multiple Comparisons**

Dependent Variable: DayaLekat

Tukey HSD

(I) Formula	(J) Formula	Mean Difference	Std. Error	Sig.	95% Confidence Interval	
		(I-J)			Lower Bound	Upper Bound
1	2	,5667*	,1106	,004	,213	,921
	3	,8000*	,1106	,000	,446	1,154
	4	,8000*	,1106	,000	,446	1,154
2	1	-,5667*	,1106	,004	-,921	-,213
	3	,2333	,1106	,228	-,121	,587
	4	,2333	,1106	,228	-,121	,587
3	1	-,8000*	,1106	,000	-1,154	-,446
	2	-,2333	,1106	,228	-,587	,121
	4	,0000	,1106	1,000	-,354	,354
4	1	-,8000*	,1106	,000	-1,154	-,446
	2	-,2333	,1106	,228	-,587	,121
	3	,0000	,1106	1,000	-,354	,354

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

**Homogeneous Subsets**

**DayaLekat**

Tukey HSD<sup>a</sup>

Formula	N	Subset for alpha = 0.05	
		1	2
3	3	3,133	
4	3	3,133	
2	3	3,367	
1	3		3,933
Sig.		,228	1,000

Means for groups in homogeneous subsets are displayed.

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

## Uji daya lekat hari ke-21

### NPar Tests One-Sample Kolmogorov-Smirnov Test

		DayaLekat	
N		12	
Normal Parameters <sup>a,b</sup>	Mean	3,158	
	Std. Deviation	,2353	
Most Extreme Differences	Absolute	,431	
	Positive	,431	
	Negative	-,251	
Test Statistic		,431	
Asymp. Sig. (2-tailed) <sup>c</sup>		,000	
Monte Carlo Sig. (2-tailed) <sup>d</sup>	Sig.	,000	
	99% Confidence Interval	Lower Bound	,000
		Upper Bound	,000

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 1314643744.

### Oneway Post Hoc Tests Multiple Comparisons

Dependent Variable: DayaLekat

Tukey HSD

(I) Formula	(J) Formula	Mean Difference			95% Confidence Interval	
		(I-J)	Std. Error	Sig.	Lower Bound	Upper Bound
1	2	,3667	,1599	,179	-,145	,879
	3	,3667	,1599	,179	-,145	,879
	4	,3667	,1599	,179	-,145	,879
2	1	-,3667	,1599	,179	-,879	,145
	3	,0000	,1599	1,000	-,512	,512
	4	,0000	,1599	1,000	-,512	,512
3	1	-,3667	,1599	,179	-,879	,145
	2	,0000	,1599	1,000	-,512	,512
	4	,0000	,1599	1,000	-,512	,512



4	1	-,3667	,1599	,179	-,879	,145
	2	,0000	,1599	1,000	-,512	,512
	3	,0000	,1599	1,000	-,512	,512

### Homogeneous Subsets

#### DayaLekat

Tukey HSD<sup>a</sup>

Formula	N	Subset for alpha
		= 0.05
2	3	1
3	3	3,067
4	3	3,067
1	3	3,067
Sig.		3,433
		,179

Means for groups in homogeneous subsets are displayed.

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

### Perbandingan uji daya lekat hari ke-1 dan hari ke-21

#### NPar Tests

#### One-Sample Kolmogorov-Smirnov Test

		DayaLekat1
N		12
Normal Parameters <sup>a,b</sup>	Mean	3,575
	Std. Deviation	,3793
Most Extreme Differences	Absolute	,162
	Positive	,162
	Negative	-,140
Test Statistic		,162
Asymp. Sig. (2-tailed) <sup>c</sup>		,200 <sup>d</sup>
Monte Carlo Sig. (2-tailed) <sup>e</sup>	Sig.	,516
	99% Confidence Interval	Lower Bound

Upper Bound	,528
-------------	------

- a. Test distribution is Normal.
- b. Calculated from data.
- c. Lilliefors Significance Correction.
- d. This is a lower bound of the true significance.
- e. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 624387341.

### T-Test

#### Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	DayaLekat1	3,575	12	,3793	,1095
	DayaLekat21	3,158	12	,2353	,0679

#### Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	DayaLekat1 & DayaLekat21	12	,507	,093

#### Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
Pair					Lower	Upper			
1	DayaLekat1 - DayaLekat21	,4167	,3298	,0952	,2071	,6262	4,376	11	,001

#### Paired Samples Effect Sizes

		Standardizer <sup>a</sup>	Point Estimate	95% Confidence Interval	
				Lower	Upper
Pair 1	DayaLekat1 - DayaLekat21	Cohen's d	,3298	1,263	2,017
		Hedges' correction	,3416	1,220	1,948

a. The denominator used in estimating the effect sizes.

Cohen's d uses the sample standard deviation of the mean difference.

Hedges' correction uses the sample standard deviation of the mean difference, plus a correction factor.

**UJI VISKOSITAS**  
**Uji viskositas hari ke-1**

**NPar Tests**

**Descriptive Statistics**

	N	Mean	Std. Deviation	Minimum	Maximum
UjiViskositas	12	242,92	41,366	200	310

**One-Sample Kolmogorov-Smirnov Test**

		UjiViskositas	
N		12	
Normal Parameters <sup>a,b</sup>	Mean	242,92	
	Std. Deviation	41,366	
Most Extreme Differences	Absolute	,184	
	Positive	,184	
	Negative	-,166	
Test Statistic		,184	
Asymp. Sig. (2-tailed) <sup>c</sup>		,200 <sup>d</sup>	
Monte Carlo Sig. (2-tailed) <sup>e</sup>	Sig.	,302	
	99% Confidence Interval	Lower Bound	,290
		Upper Bound	,314

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

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

e. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 112562564.

**Oneway**  
**ANOVA**

		UjiViskositas			
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	17539,583	3	5846,528	36,446	,000
Within Groups	1283,333	8	160,417		
Total	18822,917	11			

**Post Hoc Tests**  
**Multiple Comparisons**

Dependent Variable: UjiViskositas

Tukey HSD

(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Basis	Ekstrak 15%	55,000*	10,341	,003	21,88	88,12
	Ekstrak 20%	93,333*	10,341	,000	60,22	126,45
	Ekstrak 30%	93,333*	10,341	,000	60,22	126,45
Ekstrak 15%	Basis	-55,000*	10,341	,003	-88,12	-21,88
	Ekstrak 20%	38,333*	10,341	,025	5,22	71,45
	Ekstrak 30%	38,333*	10,341	,025	5,22	71,45
Ekstrak 20%	Basis	-93,333*	10,341	,000	-126,45	-60,22
	Ekstrak 15%	-38,333*	10,341	,025	-71,45	-5,22
	Ekstrak 30%	,000	10,341	1,000	-33,12	33,12
Ekstrak 30%	Basis	-93,333*	10,341	,000	-126,45	-60,22
	Ekstrak 15%	-38,333*	10,341	,025	-71,45	-5,22
	Ekstrak 20%	,000	10,341	1,000	-33,12	33,12

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

**Homogeneous Subsets**

**Uji Viskositas**

Tukey HSD<sup>a</sup>

Formula	N	Subset for alpha = 0.05		
		1	2	3
Ekstrak 20%	3	210,00		
Ekstrak 30%	3	210,00		
Ekstrak 15%	3		248,33	
Basis	3			303,33
Sig.		1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

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

## Uji viskositas hari ke-7

### NPar Tests

#### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
UjiViskositas	12	248,7500	22,57563	200,00	290,00

#### One-Sample Kolmogorov-Smirnov Test

		UjiViskositas	
N		12	
Normal Parameters <sup>a,b</sup>	Mean	248,7500	
	Std. Deviation	22,57563	
Most Extreme Differences	Absolute	,228	
	Positive	,228	
	Negative	-,189	
Test Statistic		,228	
Asymp. Sig. (2-tailed) <sup>c</sup>		,085	
Monte Carlo Sig. (2-tailed) <sup>d</sup>	Sig.	,084	
	99% Confidence Interval	Lower Bound	,077
		Upper Bound	,091

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 2000000.

### Oneway

#### ANOVA

		UjiViskositas			
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3389,583	3	1129,861	4,078	,000
Within Groups	2216,667	8	277,083		
Total	5606,250	11			

**Post Hoc Tests**  
**Multiple Comparisons**

Dependent Variable: UjiViskositas

Tukey HSD

(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Basis	Ekstrak 15%	21,66667	13,59126	,433	-21,8573	65,1907
	Ekstrak 20%	30,00000	13,59126	,201	-13,5240	73,5240
	Ekstrak 30%	46,66667*	13,59126	,036	3,1427	90,1907
Ekstrak 15%	Basis	-21,66667	13,59126	,433	-65,1907	21,8573
	Ekstrak 20%	8,33333	13,59126	,925	-35,1907	51,8573
	Ekstrak 30%	25,00000	13,59126	,324	-18,5240	68,5240
Ekstrak 20%	Basis	-30,00000	13,59126	,201	-73,5240	13,5240
	Ekstrak 15%	-8,33333	13,59126	,925	-51,8573	35,1907
	Ekstrak 30%	16,66667	13,59126	,629	-26,8573	60,1907
Ekstrak 30%	Basis	-46,66667*	13,59126	,036	-90,1907	-3,1427
	Ekstrak 15%	-25,00000	13,59126	,324	-68,5240	18,5240
	Ekstrak 20%	-16,66667	13,59126	,629	-60,1907	26,8573

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

**Homogeneous Subsets**

**UjiViskositas**

Tukey HSD<sup>a</sup>

Formula	N	Subset for alpha = 0.05	
		1	2
Ekstrak 30%	3	226,6667	
Ekstrak 20%	3	243,3333	243,3333
Ekstrak 15%	3	251,6667	251,6667
Basis	3		273,3333
Sig.		,324	,201

Means for groups in homogeneous subsets are displayed.

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

## Uji viskositas hari ke-14

### NPar Tests

#### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
UjiViskositas	12	262,08	42,824	200	350

#### One-Sample Kolmogorov-Smirnov Test

		UjiViskositas	
N		12	
Normal Parameters <sup>a,b</sup>	Mean	262,08	
	Std. Deviation	42,824	
Most Extreme Differences	Absolute	,194	
	Positive	,194	
	Negative	-,136	
Test Statistic		,194	
Asymp. Sig. (2-tailed) <sup>c</sup>		,200 <sup>d</sup>	
Monte Carlo Sig. (2-tailed) <sup>e</sup>	Sig.	,247	
	99% Confidence Interval	Lower Bound	,236
		Upper Bound	,258

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

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

e. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 299883525.

### Oneway

#### ANOVA

		UjiViskositas			
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	16189,583	3	5396,528	10,838	,000
Within Groups	3983,333	8	497,917		
Total	20172,917	11			

**Post Hoc Tests**  
**Multiple Comparisons**

Dependent Variable: UjiViskositas

Tukey HSD

(I) Formula	(J) Formula	Mean Difference	Std. Error	Sig.	95% Confidence Interval	
		(I-J)			Lower Bound	Upper Bound
Basis	Ekstrak 15%	46,667	18,219	,123	-11,68	105,01
	Ekstrak 20%	71,667*	18,219	,018	13,32	130,01
	Ekstrak 30%	100,000*	18,219	,003	41,66	158,34
Ekstrak 15%	Basis	-46,667	18,219	,123	-105,01	11,68
	Ekstrak 20%	25,000	18,219	,548	-33,34	83,34
	Ekstrak 30%	53,333	18,219	,074	-5,01	111,68
Ekstrak 20%	Basis	-71,667*	18,219	,018	-130,01	-13,32
	Ekstrak 15%	-25,000	18,219	,548	-83,34	33,34
	Ekstrak 30%	28,333	18,219	,452	-30,01	86,68
Ekstrak 30%	Basis	-100,000*	18,219	,003	-158,34	-41,66
	Ekstrak 15%	-53,333	18,219	,074	-111,68	5,01
	Ekstrak 20%	-28,333	18,219	,452	-86,68	30,01

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

**Homogeneous Subsets**

**UjiViskositas**

Tukey HSD<sup>a</sup>

Formula	N	Subset for alpha = 0.05	
		1	2
Ekstrak 30%	3	216,67	
Ekstrak 20%	3	245,00	
Ekstrak 15%	3	270,00	270,00
Basis	3		316,67
Sig.		,074	,123

Means for groups in homogeneous subsets are displayed.

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



**Uji viskositas hari ke-21**

**NPar Tests**

**Descriptive Statistics**

	N	Mean	Std. Deviation	Minimum	Maximum
UjiViskositas	12	255,00	44,210	200	320

**One-Sample Kolmogorov-Smirnov Test**

		UjiViskositas	
	N	12	
Normal Parameters <sup>a,b</sup>	Mean	255,00	
	Std. Deviation	44,210	
Most Extreme Differences	Absolute	,212	
	Positive	,212	
	Negative	-,122	
	Test Statistic	,212	
	Asymp. Sig. (2-tailed) <sup>c</sup>	,144	
Monte Carlo Sig. (2-tailed) <sup>d</sup>	Sig.	,144	
	99% Confidence Interval	Lower Bound	,135
		Upper Bound	,153

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 926214481.

**Oneway**

**ANOVA**

		UjiViskositas			
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	17900,000	3	5966,667	13,259	,000
Within Groups	3600,000	8	450,000		
Total	21500,000	11			

## Post Hoc Tests

### Multiple Comparisons

Dependent Variable: UjiViskositas

Tukey HSD

(I) Formula	(J) Formula	Mean Difference	Std. Error	Sig.	95% Confidence Interval	
		(I-J)			Lower Bound	Upper Bound
Basis	Ekstrak 15%	50,000	17,321	,078	-5,47	105,47
	Ekstrak 20%	80,000*	17,321	,007	24,53	135,47
	Ekstrak 30%	103,333*	17,321	,002	47,87	158,80
Ekstrak 15%	Basis	-50,000	17,321	,078	-105,47	5,47
	Ekstrak 20%	30,000	17,321	,369	-25,47	85,47
	Ekstrak 30%	53,333	17,321	,059	-2,13	108,80
Ekstrak 20%	Basis	-80,000*	17,321	,007	-135,47	-24,53
	Ekstrak 15%	-30,000	17,321	,369	-85,47	25,47
	Ekstrak 30%	23,333	17,321	,562	-32,13	78,80
Ekstrak 30%	Basis	-103,333*	17,321	,002	-158,80	-47,87
	Ekstrak 15%	-53,333	17,321	,059	-108,80	2,13
	Ekstrak 20%	-23,333	17,321	,562	-78,80	32,13

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

## Homogeneous Subsets

### UjiViskositas

Tukey HSD<sup>a</sup>

Formula	N	Subset for alpha = 0.05	
		1	2
Ekstrak 30%	3	210,00	
Ekstrak 20%	3	233,33	
Ekstrak 15%	3	263,33	263,33
Basis	3		313,33
Sig.		,059	,078

Means for groups in homogeneous subsets are displayed.

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

## Perbandingan uji viskositas hari ke-1 dan hari ke-21

### NPar Tests

#### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
UjiViskositas1	12	242,92	41,366	200	310
UjiViskositas21	12	255,00	44,210	200	320

### One-Sample Kolmogorov-Smirnov Test

		UjiViskositas1	UjiViskositas21	
	N	12	12	
Normal Parameters <sup>a,b</sup>	Mean	242,92	255,00	
	Std. Deviation	41,366	44,210	
Most Extreme Differences	Absolute	,184	,212	
	Positive	,184	,212	
	Negative	-,166	-,122	
	Test Statistic	,184	,212	
	Asymp. Sig. (2-tailed) <sup>c</sup>	,200 <sup>d</sup>	,144	
Monte Carlo Sig. (2-tailed) <sup>e</sup>	Sig.	,309	,138	
	99% Confidence Interval	Lower Bound	,297	,130
		Upper Bound	,320	,147

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

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

e. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 221623949.

### T-Test

#### Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	UjiViskositas1	242,92	12	41,366	11,941
	UjiViskositas21	255,00	12	44,210	12,762

#### Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	UjiViskositas1 & UjiViskositas21	12	,911	,000

**Paired Samples Test**

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
Pair 1	UjiViskositas1 - UjiViskositas21	-12,083	18,273	5,275	Lower -23,693	Upper -,473	-2,291	11	,043

**Paired Samples Effect Sizes**

				Standardizer <sup>a</sup>	Point Estimate	95% Confidence Interval	
						Lower	Upper
Pair 1	UjiViskositas1 - UjiViskositas21	Cohen's d	18,273		-,661	-1,277	-,021
		Hedges' correction	18,927		-,638	-1,233	-,020

a. The denominator used in estimating the effect sizes.

Cohen's d uses the sample standard deviation of the mean difference.

Hedges' correction uses the sample standard deviation of the mean difference, plus a correction factor.

## Lampiran 10. Hasil Diameter Luka Bakar pada kulit Punggung Kelinci

### Hasil Diameter Luka Bakar pada kulit Punggung Kelinci

#### Descriptives

Diameterluka

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Kontrol negatif	3	10.9233	.24420	.14099	10.3167	11.5300	10.65	11.12
Kontrol positif	3	10.6933	.33126	.19125	9.8704	11.5162	10.38	11.04
Konsentrasi 15%	3	10.7133	.33020	.19064	9.8931	11.5336	10.39	11.05
Konsentrasi 20%	3	10.7233	.22811	.13170	10.1567	11.2900	10.52	10.97
Konsentrasi 30%	3	10.8733	.40204	.23212	9.8746	11.8720	10.41	11.13
Total	15	10.7853	.28246	.07293	10.6289	10.9418	10.38	11.13

#### Homogeneous Subsets

##### Diameterluka

Tukey HSD<sup>a</sup>

Sampel	N	Subset for alpha = 0.05
		1
Kontrol positif	3	10.6933
Konsentrasi 15%	3	10.7133
Konsentrasi 20%	3	10.7233
Konsentrasi 30%	3	10.8733
Kontrol negatif	3	10.9233
Sig.		.891

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

**One-Sample Kolmogorov-Smirnov Test**

		Diameterluka
N		15
Normal Parameters <sup>a,b</sup>	Mean	10.7853
	Std. Deviation	.28246
	Absolute	.210
Most Extreme Differences	Positive	.152
	Negative	-.210
Kolmogorov-Smirnov Z		.813
Asymp. Sig. (2-tailed)		.522

a. Test distribution is Normal.

b. Calculated from data.

**Oneway**

**Test of Homogeneity of Variances**

Diameterluka

Levene Statistic	df1	df2	Sig.
.457	4	10	.766

**ANOVA**

Diameterluka

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.133	4	.033	.337	.847
Within Groups	.984	10	.098		
Total	1.117	14			

**Post Hoc Tests**

**Multiple Comparisons**

Dependent Variable: Diameterluka

Tukey HSD

(I) Sampel	(J) Sampel	Mean Difference (I- J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Kontrol negatif	Kontrol positif	.23000	.25614	.891	-.6130	1.0730
	Konsentrasi 15%	.21000	.25614	.919	-.6330	1.0530
	Konsentrasi 20%	.20000	.25614	.931	-.6430	1.0430
	Konsentrasi 30%	.05000	.25614	1.000	-.7930	.8930
Kontrol positif	Kontrol negatif	-.23000	.25614	.891	-1.0730	.6130
	Konsentrasi 15%	-.02000	.25614	1.000	-.8630	.8230
	Konsentrasi 20%	-.03000	.25614	1.000	-.8730	.8130
	Konsentrasi 30%	-.18000	.25614	.951	-1.0230	.6630
Konsentrasi 15%	Kontrol negatif	-.21000	.25614	.919	-1.0530	.6330
	Kontrol positif	.02000	.25614	1.000	-.8230	.8630
	Konsentrasi 20%	-.01000	.25614	1.000	-.8530	.8330
	Konsentrasi 30%	-.16000	.25614	.968	-1.0030	.6830
Konsentrasi 20%	Kontrol negatif	-.20000	.25614	.931	-1.0430	.6430
	Kontrol positif	.03000	.25614	1.000	-.8130	.8730
	Konsentrasi 15%	.01000	.25614	1.000	-.8330	.8530
	Konsentrasi 30%	-.15000	.25614	.974	-.9930	.6930
Konsentrasi 30%	Kontrol negatif	-.05000	.25614	1.000	-.8930	.7930
	Kontrol positif	.18000	.25614	.951	-.6630	1.0230
	Konsentrasi 15%	.16000	.25614	.968	-.6830	1.0030
	Konsentrasi 20%	.15000	.25614	.974	-.6930	.9930