

**L
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Lampiran 1. Hasil determinasi tanaman sirih



UPT-LABORATORIUM

Jl. Letjen Sutoyo, Mojosongo-Solo 57127 Telp. 0271-852518, Fax. 0271-853275

Nomor : 295/DET/UPT-LAB/25.10.2021
 Hal : Hasil determinasi tumbuhan
 Lamp. : -

Nama Pemesan : Eka Safitri
 NIM : 23175229A
 Prodi : S1 Farmasi, Universitas Setia Budi, Surakarta
 Nama Sampel : *Annona muricata*, L

HASIL DETERMINASI TUMBUHAN

Klasifikasi

Kingdom : Plantae
 Super Divisi : Spermatophyta
 Divisi : Magnoliophyta
 Kelas : Magnoliopsida/Dicotyledoneae
 Ordo : Polycarpiceae
 Famili : Annonaceae
 Genus : *Annona*
 Species : *Annona muricata*, L

Hasil Determinasi menurut Steenis, C.G.G.J.V, Bloembergen, H, Eyma, P.J. 1992 :

1b – 2b – 3b – 4b – 6b – 7b – 9b – 10b – 11b – 12b – 13b – 15a. golongan 8. 109b – 119b – 120b – 128b – 129b – 135b – 136b – 139b – 140b – 142b – 143b – 146b – 154b – 155b – 156a – 162b – 163a – 164b – 165b – 166a. Familia 50. Annonaceae. 1b – 2. *Annona*. 1a. *Annona muricata*, L.

Deskripsi:

- Habitus : Pohon, tinggi 3 – 8 meter.
- Batang : Bulat, berkayu, percabangan monopodial.
- Daun : Daun tunggal, bangun lanset atau bulat telur terbalik, ujung meruncing pendek, pangkal runcing, tepi rata, tulang daun menyirip, seperti kulit, panjang 10,5 – 13,1 cm, permukaan atas hijau tua dan mengkilat, permukaan bawah hijau muda, tangkai pendek.
- Bunga : Bunga tunggal, beraturan, berhadapan dengan daun. Daun kelopak 3, kecil. Daun mahkota berdaging, 3 yang terluar hijau kemudian kuning, panjang 3,5 – 5 cm, 3 yang terdalam bulat telur, kuning muda. Daun kelopak dan daun mahkota terluar pada kuncup tersusun seperti katup, daun mahkota terdalam seperti genting. Dasar bunga sangat cekung. Benangsari banyak. Penghubung ruangsari di atas ruang sari melebar, menutup ruangnya, putih. Bakal buah banyak, bakal biji 1. Tangkai putik langsing, berambut. Kepala putik silindris.
- Buah : Buah majemuk tak beraturan, berduri tempel, bentuk telur miring atau bengkok, hijau tua, daging buah putih, masam.
- Biji : Biji berwarna coklat kehitaman, keras, permukaan halus mengkilat, berujung tumpul, Panjang kira-kira 16,8 mm, lebar 9,6 mm. Jumlah biji dalam satu buah bervariasi antara 20-70 butir.
- Akar : Akar tunggang.

Kepala UPT-LAB
Universitas Setia Budi



Asik Gunawan, Amdk

Surakarta, 25 Oktober 2021

Penanggung jawab
Determinasi Tumbuhan

Dra. Dewi Sulistyawati. M.Sc.

Lampiran 2. Pengambilan bahan dan pembuatan serbuk



Lampiran 3. Perhitungan persentase rendemen

Berat daun kering sirsak = 3100 g

Berat basah daun sirsak = 10000 g

% Rendemen = $\frac{\text{berat kering (g)}}{\text{berat basah (g)}} \times 100\%$

$$= \frac{3100 \text{ g}}{10000 \text{ g}} \times 100\%$$

$$= 31\%$$

Berat daun kering sirsak = 3100 g

Berat serbuk daun sirsak = 2850 g

% Rendemen = $\frac{\text{berat kering (g)}}{\text{berat basah (g)}} \times 100\%$

$$= \frac{2850 \text{ g}}{3100 \text{ g}} \times 100\%$$

$$= 91,93\%$$

Lampiran 4. Hasil susut pengeringan



Lampiran 5. Perhitungan persentase randemen ekstrak kental

Berat serbuk sirsak = 500 g

Berat ekstrak sirsak = 98 g

$$\% \text{ Rendemen} = \frac{\text{berat ekstrak (g)}}{\text{berat serbuk (g)}} \times 100\%$$

$$= \frac{98 \text{ g}}{500 \text{ g}} \times 100\%$$

$$= 19,6 \%$$

Lampiran 6. Hasil identifikasi kandungan kimia



Lampiran 7. Pembuatan formula

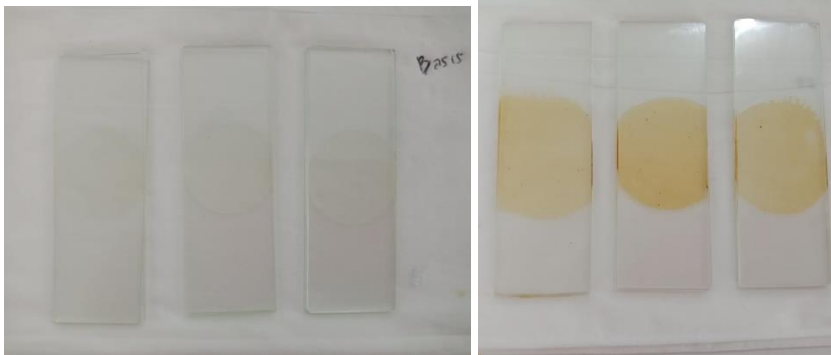


Lampiran 8. Hasil uji mutu fisik salep

1. Uji organoleptis



2. Uji homogenitas



3. Uji pH



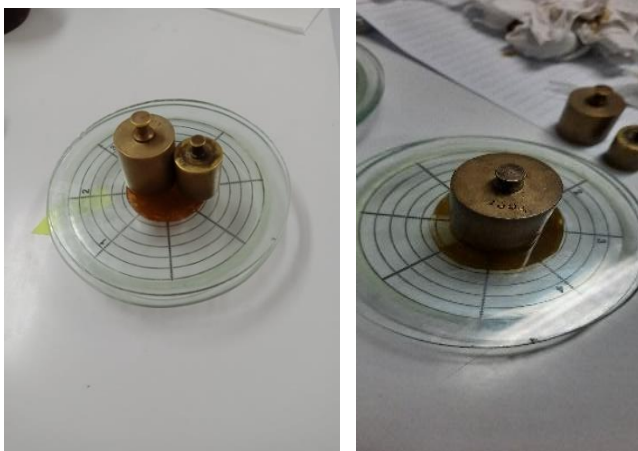
4. Uji viskositas



5. Uji daya lekat



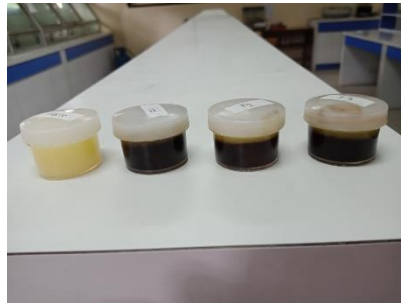
6. Uji daya sebar



7. Uji stabilitas



Sebelum



Sesudah

Lampiran 9. Hasil uji aktivitas penyembuhan luka



Lampiran 10. Diameter luka bakar

kelinci	Sediaan	hari 1	hari 7	hari 14	hari 21
Kelinci A	formula1	1,47	1,37	1,25	0,36
	formula2	1,47	1,35	1,2	0,3
	formula3	1,47	1,3	1,15	0,1
	kontrol positif	1,47	1,27	0,85	0,15
	kontrol negatif	1,47	1,39	1,12	0,5
Kelinci B	formula1	1,5	1,37	1,17	0,22
	formula2	1,5	1,3	0,67	0,1
	formula3	1,5	1,22	0,77	0,1
	kontrol positif	1,5	1,22	0,65	0,15
	kontrol negatif	1,6	1,45	1,18	0,51
Kelinci C	formula1	1,47	1,37	1,17	0,4
	formula2	1,47	1,3	0,87	0,4
	formula3	1,47	1,33	0,86	0,23
	kontrol positif	1,47	1,27	1,05	0,2
	kontrol negatif	1,47	1,42	1,18	0,72
Kelinci D	formula1	1,5	1,36	1,1	0,57
	formula2	1,62	1,4	0,8	0,17
	formula3	1,5	1,27	0,57	0,1
	kontrol positif	1,5	1,3	0,65	0,12
	kontrol negatif	1,47	1,36	1,17	0,66
Kelinci E	formula1	1,47	1,37	1,05	0,66
	formula2	1,5	1,3	1,13	0,15
	formula3	1,42	1,25	0,85	0,1
	kontrol positif	1,5	1,3	0,65	0,12
	kontrol negatif	1,5	1,37	1,17	0,52

Lampiran 11. Persentase kesembuhan luka

Kelinci	Sediaan		Hari		
		1	7	14	21
Kelinci A	formula1	0	13,14	27,68	94,02
	formula2	0	15,68	33,33	95,83
	formula3	0	21,75	38,79	98,98
	kontrol positif	0	25,37	66,57	99,53
	kontrol negatif	0	10,58	41,98	88,42
Kelinci B	formula1	0	16,57	39,15	97,82
	formula2	0	24,88	80,04	99,55
	formula3	0	33,82	73,64	98,97
	kontrol positif	0	33,82	81,2	99,55
	kontrol negatif	0	17,85	45,58	89,8
Kelinci C	formula1	0	13,14	36,66	92,59
	formula2	0	21,75	65	95,59
	formula3	0	18,14	65,78	98,14
	kontrol positif	0	25,37	48,98	97,59
	kontrol negatif	0	6,66	35,55	76,01
Kelinci D	formula1	0	17,77	46,22	85,55
	formula2	0	25,3	70,56	98,89
	formula3	0	28,31	85,55	99,33
	kontrol positif	0	24,88	81,2	99,55
	kontrol negatif	0	14,39	36,66	86,52
Kelinci E	formula1	0	16,57	50,97	80,62
	formula2	0	24,88	43,24	98,97
	formula3	0	22,47	64,13	99,3
	kontrol positif	0	24,88	81,2	99,55
	kontrol negatif	0	14,39	39,15	87,95

Lampiran 12. Rata-rata diameter dan persentase luka bakar

➤ Rata-rata diameter luka

Hari	formula1	formula2	formula3	kontrol positif	kontrol negatif
Hari Ke-1	7,41	7,56	7,36	7,44	7,51
Hari Ke-7	6,84	6,65	6,37	6,36	6,99
Hari Ke-14	5,74	4,67	4,2	3,85	5,82
Hari Ke-21	2,21	1,12	0,74	0,63	2,91

➤ Rata-rata persentase kesembuhan luka

Hari	formula1	formula2	formula3	kontrol positif	kontrol negatif
Hari Ke-1	0	0	0	0	0
Hari Ke-7	14,79	22,62	25,09	26,92	13,36
Hari Ke-14	40	61,84	67,43	73,22	39,49
Hari Ke-21	91,11	97,79	99,00	99,27	84,98

Perhitungan rata-rata persentase kesembuhan luka

Hari ke 1

$$P_x = \frac{(dx_i)^2 - (dx_n)^2}{(dx_i)^2} \times 100\%$$

Formula 1

$$P_1 = \frac{(7,41)^2 - (7,41)^2}{(7,41)^2} \times 100\%$$

$$P_1 = \frac{0}{54,90} \times 100\%$$

$$P_1 = 0$$

Formula 2

$$P_1 = \frac{(7,56)^2 - (7,56)^2}{(7,56)^2} \times 100\%$$

$$P_1 = \frac{0}{57,15} \times 100\%$$

$$P_1 = 0$$

Formula 3

$$P_1 = \frac{(7,36)^2 - (7,36)^2}{(7,36)^2} \times 100\%$$

$$P_1 = \frac{0}{54,16} \times 100\%$$

$$P_1 = 0$$

kontrol positif

$$P_1 = \frac{(7,44)^2 - (7,44)^2}{(7,44)^2} \times 100\%$$

$$P_1 = \frac{0}{55,35} \times 100\%$$

$$P_1 = 0$$

kontrol negatif

$$P_1 = \frac{(7,51)^2 - (7,51)^2}{(7,51)^2} \times 100\%$$

$$P_1 = \frac{0}{56,40} \times 100\%$$

$$P_1 = 0$$

Hari 7

$$P_x = \frac{(dx_i)^2 - (dx_n)^2}{(dx_i)^2} \times 100\%$$

Formula 1

$$P_7 = \frac{(7,41)^2 - (6,84)^2}{(7,41)^2} \times 100\%$$

$$P_7 = \frac{8,12}{54,90} \times 100\%$$

$$P_7 = 14,79$$

Formula 2

$$P_7 = \frac{(7,56)^2 - (6,65)^2}{(7,56)^2} \times 100\%$$

$$P_7 = \frac{12,93}{57,15} \times 100\%$$

$$P_7 = 22,62$$

Formula 3

$$P_7 = \frac{(7,36)^2 - (6,37)^2}{(7,36)^2} \times 100\%$$

$$P_7 = \frac{13,59}{54,16} \times 100\%$$

$$P_7 = 25,09$$

kontrol positif

$$P_7 = \frac{(7,44)^2 - (6,36)^2}{(7,44)^2} \times 100\%$$

$$P_7 = \frac{14,90}{55,35} \times 100\%$$

$$P_7 = 26,91$$

kontrol negatif

$$P_7 = \frac{(7,51)^2 - (6,99)^2}{(7,51)^2} \times 100\%$$

$$P_7 = \frac{7,54}{56,40} \times 100\%$$

$$P_7 = 13,36$$

Hari 21

$$P_x = \frac{(dx_1)^2 - (dxn)^2}{(dx_1)^2} \times 100\%$$

Formula 1

$$P_{21} = \frac{(7,41)^2 - (2,21)^2}{(7,41)^2} \times 100\%$$

$$P_{21} = \frac{50,02}{54,90} \times 100\%$$

$$P_{21} = 91,11$$

Formula 2

$$P_{21} = \frac{(7,56)^2 - (1,12)^2}{(7,56)^2} \times 100\%$$

$$P_{21} = \frac{55,89}{57,15} \times 100\%$$

$$P_{21} = 97,79$$

Formula 3

$$P_{21} = \frac{(7,36)^2 - (0,74)^2}{(7,36)^2} \times 100\%$$

$$P_{21} = \frac{53,62}{54,16} \times 100\%$$

$$P_{21} = 99,00$$

kontrol positif

$$P_{21} = \frac{(7,44)^2 - (0,63)^2}{(7,44)^2} \times 100\%$$

$$P_{21} = \frac{54,95}{55,35} \times 100\%$$

$$P_{21} = 99,27$$

kontrol negatif

$$P_{21} = \frac{(7,51)^2 - (2,91)^2}{(7,51)^2} \times 100\%$$

$$P_{21} = \frac{47,93}{56,40} \times 100\%$$

$$P_{21} = 84,98$$

Lampiran 13. Data uji mutu fisik

1. Data uji pH

Waktu	Replikasi	F1	F2	F3	F4
Hari 1	1	6,02	5,86	5,66	5,61
	2	5,88	5,84	5,68	5,58
	3	6,78	5,80	6,00	5,54
Rata-rata		6,22	5,83	5,78	5,57
Hari 21	1	4,89	4,90	5,10	4,29
	2	5,88	4,86	5,05	4,27
	3	5,84	4,81	4,00	4,24
Rata-rata		5,53	4,85	4,71	4,26

2. Data uji daya sebar

Waktu	Replikasi	Beban	F1	F2	F3	F4
Hari 1	1	200	5,1	5,7	5,8	6,3
	2	200	5,6	5,4	5,9	6,3
	3	200	5,7	5,4	6,6	6,3
Rata-rata			5,5	5,8	6,1	6,3
Hari 21	1	200	5,2	5,3	5,9	6,2
	2	200	5,6	5,7	5,9	6,2
	3	200	5,5	5,6	5,7	5,7
Rata-rata			5,4	5,5	5,8	6

3. Data uji daya lekat

Waktu	Replikasi	F1	F2	F3	F4
Hari 1	1	5,03	5,05	4,45	4,90
	2	5,20	5,15	5,01	4,60
	3	5,37	5,14	5,10	4,57
Rata-rata		5,20	5,10	4,85	4,69
Hari 21	1	4,95	5,30	5,05	4,97
	2	5,46	5,35	5,15	4,95
	3	5,65	5,28	4,98	4,88
Rata-rata		5,35	5,31	5,10	4,93

4. Data viskositas

Waktu	Replikasi	F1	F2	F3	F4
Hari 1	1	550	460	400	380
	2	580	460	400	380
	3	580	490	400	380
Rata-rata		570	470	400	380
Hari 21	1	580	490	470	415
	2	580	500	470	420
	3	580	500	475	423
Rata-rata		580	496	471	419

5. Data stabilitas pH

Waktu	Replikasi	F1	F2	F3	F4
Sebelum	1	6,00	5,80	5,68	5,60
	2	6,00	5,84	5,66	5,50
	3	6,00	5,80	5,66	5,50
Rata-rata		6,00	5,81	5,66	5,53
Sesudah	1	5,80	5,50	4,95	456
	2	5,80	5,50	5,00	400
	3	5,84	5,50	5,00	400
Rata-rata		5,81	5,50	4,98	4,18

6. Data stabilitas viskositas

Waktu	Replikasi	F1	F2	F3	F4
Sebelum	1	570	460	400	350
	2	550	460	400	350
	3	550	460	390	360
Rata-rata		556	460	396	353
sesudah	1	500	500	390	375
	2	510	480	390	370
	3	500	480	390	400
Rata-rata		503	486	390	371

Lampiran 14. Ethical clearance

9/6/2021

KEPK-RSDM

HEALTH RESEARCH ETHICS COMMITTEE
KOMISI ETIK PENELITIAN KESEHATAN

Dr. Moewardi General Hospital
RSUD Dr. Moewardi

ETHICAL CLEARANCE
KELAIKAN ETIK

Nomor : 825 / VIII / 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 SALEP EKSTRAK ETANOL DAUN SIRSAK (*Annona muricata* L.) SEBAGAI PENYEMBUH LUKA BAKAR PADA KELINCI (New Zealand)

Principal investigator : Eka Safitri
 Peneliti Utama 23175229A

Location of research : Universitas Setia Budi
 Lokasi Tempat Penelitian

Is ethically approved
 Dinyatakan layak etik

Issued on : 06 September 2021

Chairman
 Ketua


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

<https://komisi-etik-rsmdrmoewardi.com/etik/ethicalclearance/23175229A-1151>

1/1

Lampiran 15. Surat keterangan hewan uji

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

Yang bertanda tangan di bawah ini:
Nama : Sigit Pramono


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

Nama : Eka Safitri
NIM : 23175229A
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, 7 Januari 2022
Hormat kami

Sigit Pramono
"ABIMANYU FARM"

Lampiran 16. Hasil SPSS

SPSS uji pH

Tests of Normality

FORMULA	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
pH_1	FI	.332	3	.863	3	.277
	FII	.253	3	.964	3	.637
	FIII	.367	3	.794	3	.100
	FIV	.204	3	.993	3	.843
pH_21	FI	.373	3	.780	3	.068
	FII	.196	3	.996	3	.878
	FIII	.371	3	.784	3	.077
	FIV	.219	3	.987	3	.780

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

	<u>Levene</u> Statistic	df1	df2	Sig.
pH_1	9.084	3	8	.056
pH_21	9.372	3	8	.055

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
pH_1	Between Groups	.665	3	.222	3.247	.081
	Within Groups	.546	8	.068		
	Total	1.211	11			
pH_21	Between Groups	2.488	3	.829	4.723	.035
	Within Groups	1.405	8	.176		
	Total	3.893	11			

Homogeneous

pH_1

Tukey HSD

FOR MUL A	N	Subset for alpha = 0.05	
		1	
FIV	3	5.5767	
FIII	3	5.7800	
FII	3	5.8333	
FI	3	6.2267	
Sig.		.062	

Means for groups in homogeneous subsets are displayed.

pH_21

Tukey HSD

FOR MUL A	N	Subset for alpha = 0.05	
		1	2
FIV	3	4.2667	
FIII	3	4.7167	4.7167
FII	3	4.8567	4.8567
FI	3		5.5367
Sig.		.372	.155

Means for groups in homogeneous subsets are displayed.

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	pH_1	5.8542	12	.33184	.09579
	pH_21	4.8442	12	.59494	.17174

Paired Samples Correlations

	N	Correlation	Sig.
Pair 1 pH_1 & pH_21	12	.567	.054

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	pH_1 - pH_21	1.01000	.48994	.14143	6.9871	1.32129	7.141	11	.000

SPSS uji daya lekat

Tests of Normality

FORMULA		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
DAYA_LEKAT_1	FI	.175	3	.	1.000	3	1.000
	FII	.353	3	.	.824	3	.174
	FIII	.338	3	.	.852	3	.245
	FIV	.356	3	.	.818	3	.157
DAYA_LEKAT_21	FI	.283	3	.	.935	3	.507
	FII	.276	3	.	.942	3	.537
	FIII	.213	3	.	.990	3	.806
	FIV	.304	3	.	.907	3	.407

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

	<u>Levene</u> Statistic	df1	df2	Sig.
DAYA_LEKAT_1	3.648	3	8	.064
DAYA_LEKAT_21	6.328	3	8	.057

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
DAYA_LEKAT_1	Between Groups	.496	3	.165	3.494	.070
	Within Groups	.379	8	.047		
	Total	.874	11			
DAYA_LEKAT_21	Between Groups	.364	3	.121	3.417	.073
	Within Groups	.284	8	.035		
	Total	.647	11			

Homogeneous

DAYA_LEKAT_1

Tukey HSD

FOR MUL A	N	Subset for alpha = 0.05
		1
FIV	3	4.6900
FIII	3	4.8533
FII	3	5.1133
FI	3	5.2000
Sig.		.080

Means for groups in homogeneous subsets are displayed.

DAYA_LEKAT_21

Tukey HSD

FOR MUL A	N	Subset for alpha = 0.05
		1
FIV	3	4.9333
FIII	3	5.0600
FII	3	5.3100
FI	3	5.3533
Sig.		.097

Means for groups in homogeneous subsets are displayed.

Paired Samples Statistics

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 DAYA_LEKAT_1	4.9642	12	.28196	.08139
DAYA_LEKAT_21	5.1642	12	.24258	.07003

Paired Samples Correlations

	N	Correlation	Sig.
Pair 1 DAYA_LEKAT_1 & DAYA_LEKAT_21	12	.738	.006

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 DAYA_LEKAT_1 - DAYA_LEKAT_21	-.20000	.19353	.05587	-.32296	-.07704	-3.580	11	.004	

SPSS Uji Daya Sebar

Tests of Normality^b

FORMULA		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
DAYA_SEBAR_1	FI	.328	3	.	.871	3	.298
	FII	.385	3	.	.750	3	.000
	FIII	.343	3	.	.842	3	.220
DAYA_SEBAR_21	FI	.292	3	.	.923	3	.463
	FII	.292	3	.	.923	3	.463
	FIII	.385	3	.	.750	3	.000
	FIV	.385	3	.	.750	3	.000

a. Lilliefors Significance Correction

b. DAYA_SEBAR_1 is constant when FORMULA = FIV. It has been omitted.

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
DAYA_SEBAR_1	6.165	3	8	.018
DAYA_SEBAR_21	1.433	3	8	.303

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
DAYA_SEBAR_1	Between Groups	1.602	3	.534	6.608	.015
	Within Groups	.647	8	.081		
	Total	2.249	11			
DAYA_SEBAR_21	Between Groups	.682	3	.228	4.964	.031
	Within Groups	.367	8	.046		
	Total	1.049	11			

Kruskal-Wallis

Ranks

	FO...	N	Mean Rank
DAYA_SEBAR_1	FI	3	3.50
	FII	3	3.50
	FIII	3	9.00
	FIV	3	10.00
	Total	12	
DAYA_SEBAR_21	FI	3	2.83
	FII	3	4.50
	FIII	3	8.67
	FIV	3	10.00
	Total	12	

Test Statistics^{a,b}

	DAYA_SEBAR_1	DAYA_SEBAR_21
Chi-Square	8.604	8.135
df	3	3
Asymp. Sig.	.035	.043

a. Kruskal Wallis Test

b. Grouping Variable: FORMULA

Wilcoxon Signed Ranks

Ranks

		N	Mean Rank	Sum of Ranks
DAYA_SEBAR_21 - DAYA_SEBAR_1	Negative Ranks	6 ^a	6.25	37.50
	Positive Ranks	4 ^b	4.38	17.50
	Ties	2 ^c		
	Total	12		

a. DAYA_SEBAR_21 < DAYA_SEBAR_1

b. DAYA_SEBAR_21 > DAYA_SEBAR_1

c. DAYA_SEBAR_21 = DAYA_SEBAR_1

Test Statistics^b

	DAYA_SEBAR_21 - DAYA_SEBAR_1
Z	-1.027 ^a
Asymp. Sig. (2-tailed)	.305

a. Based on positive ranks.

b. Wilcoxon Signed Ranks Test

SPSS Uji Viskositas

Tests of Normality^{b,c,d}

FORMULA		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
VISKOSITAS_1	FI	.385	3	.	.750	3	.000
	FII	.385	3	.	.750	3	.000
VISKOSITAS_21	FII	.385	3	.	.750	3	.000
	FIII	.385	3	.	.750	3	.000
	FIV	.232	3	.	.980	3	.726

a. Lilliefors Significance Correction

b. VISKOSITAS_1 is constant when FORMULA = FIII. It has been omitted.

c. VISKOSITAS_1 is constant when FORMULA = FIV. It has been omitted.

d. VISKOSITAS_21 is constant when FORMULA = FI. It has been omitted.

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
VISKOSITAS_1	10.667	3	8	.004
VISKOSITAS_21	4.836	3	8	.033

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
VISKOSITAS_1	Between Groups	66300.000	3	22100.000	147.333	.000
	Within Groups	1200.000	8	150.000		
	Total	67500.000	11			
VISKOSITAS_21	Between Groups	40378.917	3	13459.639	928.251	.000
	Within Groups	116.000	8	14.500		
	Total	40494.917	11			

Kruskal-Wallis**Ranks**

	FO...	N	Mean Rank
VISKOSITAS_1	FI	3	11.00
	FII	3	8.00
	FIII	3	5.00
	FIV	3	2.00
	Total	12	
VISKOSITAS_21	FI	3	11.00
	FII	3	8.00
	FIII	3	5.00
	FIV	3	2.00
	Total	12	

Test Statistics^{a,b}

	VISKOSITAS_ 1	VISKOSITAS_ 21
Chi-Square	10.761	10.607
df	3	3
Asymp. Sig.	.013	.014

a. Kruskal Wallis Test

b. Grouping Variable: FORMULA

Wilcoxon Signed Ranks**Ranks**

	N	Mean Rank	Sum of Ranks
VISKOSITAS_21 - VISKOSITAS_1	Negative Ranks	0 ^a	.00
	Positive Ranks	10 ^b	55.00
	Ties	2 ^c	
	Total	12	

a. VISKOSITAS_21 < VISKOSITAS_1

b. VISKOSITAS_21 > VISKOSITAS_1

c. VISKOSITAS_21 = VISKOSITAS_1

Test Statistics^b

	VISKOSITAS_ 21 - VISKOSITAS_ 1
Z	-2.809 ^a
Asymp. Sig. (2-tailed)	.005

a. Based on negative ranks.

b. Wilcoxon Signed Ranks Test

SPSS Uji Stabilitas Viskositas

Tests of Normality^{a,c}

FORMULA	Kolmogorov-Smirnov ^a			Shapiro-Wilk			
	Statistic	df	Sig.	Statistic	df	Sig.	
STABILITAS_VISKOSITAS_SEBELUM	FI	.385	3	.	.750	3	.000
	FIII	.385	3	.	.750	3	.000
	FIV	.385	3	.	.750	3	.000
STABILITAS_VISKOSITAS_SESUDAH	FI	.385	3	.	.750	3	.000
	FII	.385	3	.	.750	3	.000
	FIV	.328	3	.	.871	3	.298

a. Lilliefors Significance Correction

b. STABILITAS_VISKOSITAS_SEBELUM is constant when FORMULA = FII. It has been omitted.

c. STABILITAS_VISKOSITAS_SESUDAH is constant when FORMULA = FIII. It has been omitted.

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
STABILITAS_VISKOSITAS_SEBELUM	7.111	3	8	.012
STABILITAS_VISKOSITAS_SESUDAH	6.433	3	8	.016

Kruskal-Wallis

Ranks

FORMULA	N	Mean Rank
STABILITAS_VISKOSITAS_SEBELUM	3	11.00
	3	8.00
	3	5.00
	3	2.00
Total	12	
STABILITAS_VISKOSITAS_SESUDAH	3	10.67
	3	8.33
	3	4.00
	3	3.00
Total	12	

Test Statistics^{a,b}

	STABILITAS_VISKOSITAS_SEBELUM	STABILITAS_VISKOSITAS_SESUDAH
Chi-Square	10.645	9.345
df	3	3
Asymp. Sig.	.014	.025

a. Kruskal Wallis Test

b. Grouping Variable: FORMULA

Wilcoxon Signed Ranks

Ranks

		N	Mean Rank	Sum of Ranks
STABILITAS_	Negative Ranks	5 ^a	6.40	32.00
VISKOSITAS_	Positive Ranks	6 ^b	5.67	34.00
STABILITAS_	Ties	1 ^c		
VISKOSITAS_	Total	12		

a. STABILITAS_VISKOSITAS_SESUDAH < STABILITAS_VISKOSITAS_SEBELUM

b. STABILITAS_VISKOSITAS_SESUDAH > STABILITAS_VISKOSITAS_SEBELUM

c. STABILITAS_VISKOSITAS_SESUDAH = STABILITAS_VISKOSITAS_SEBELUM

Test Statistics^b

	STABILITAS_
	VISKOSITAS_
	SESUDAH -
	STABILITAS_
	VISKOSITAS_
	SEBELUM
Z	-.089 ^a
Asymp. Sig. (2-tailed)	.929

a. Based on negative ranks.

b. Wilcoxon Signed Ranks Test

SPSS Uji Stabilitas pH

Tests of Normality^{b,c}

FORMULA	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
STABILITAS_pH_	FI	.385	3	.750	3	.000
	FII	.385	3	.750	3	.000
	FIV	.385	3	.750	3	.000
STABILITAS_pH_	FI	.385	3	.750	3	.000
	FII	.385	3	.750	3	.000
	FIV	.385	3	.750	3	.000

a. Lilliefors Significance Correction

b. STABILITAS_pH_SEBELUM is constant when FORMULA = FI. It has been omitted.

c. STABILITAS_pH_SESUDAH is constant when FORMULA = FII. It has been omitted.

Test of Homogeneity of Variances

	Levene	df1	df2	Sig.
STABILITAS_pH_	9.956	3	8	.004
STABILITAS_pH_	14.241	3	8	.001

ANOVA

		Sum of	df	Mean Square	F	Sig.
STABILITAS_pH_	Between Groups	.361	3	.120	120.356	.000
	Within Groups	.008	8	.001		
	Total	.369	11			
STABILITAS_pH_	Between Groups	4.545	3	1.515	57.220	.000
	Within Groups	.212	8	.026		
	Total	4.756	11			

Kruskal-Wallis

Ranks

	FO...	N	Mean Rank
STABILITAS_pH_ SEBELUM	FI	3	11.00
	FII	3	8.00
	FIII	3	5.00
	FIV	3	2.00
	Total	12	
STABILITAS_pH_ SESUDAH	FI	3	11.00
	FII	3	8.00
	FIII	3	5.00
	FIV	3	2.00
	Total	12	

Test Statistics^{a,b}

	STABILITAS_ pH_ SEBELUM	STABILITAS_ pH_ SESUDAH
Chi-Square	10.645	10.645
df	3	3
Asymp. Sig.	.014	.014

a. Kruskal Wallis Test

b. Grouping Variable: FORMULA

Wilcoxon Signed Ranks

Ranks

		N	Mean Rank	Sum of Ranks
STABILITAS_pH_ SESUDAH - STABILITAS_pH_ SEBELUM	Negative Ranks	12 ^a	6.50	78.00
	Positive Ranks	0 ^b	.00	.00
	Ties	0 ^c		
	Total	12		

a. STABILITAS_pH_SESUDAH < STABILITAS_pH_SEBELUM

b. STABILITAS_pH_SESUDAH > STABILITAS_pH_SEBELUM

c. STABILITAS_pH_SESUDAH = STABILITAS_pH_SEBELUM

Test Statistics^b

	STABILITAS_ pH_ SESUDAH - STABILITAS_ pH_ SEBELUM
Z	-3.064 ^a
Asymp. Sig. (2-tailed)	.002

a. Based on positive ranks.

b. Wilcoxon Signed Ranks Test

SPSS Persentase kesembuhan luka

Tests of Normality

	Sediaan	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Hasil persentase kesembuhan lukabakar	formula1	.233	5	.200	.948	5	.726
	formula2	.263	5	.200	.856	5	.215
	formula3	.188	5	.200	.951	5	.747
	kontrolpositif	.280	5	.200	.906	5	.444
	Kontrolnegative	.277	5	.200	.911	5	.471

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

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

hasilpersentasekesembuhanlukabakar

Levene Statistic	df1	df2	Sig.
2.157	4	20	.111

ANOVA

hasilpersentasekesembuhanlukabakar

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	855.043	4	213.761	6.849	.001
Within Groups	624.172	20	31.209		
Total	1479.215	24			

Multiple Comparisons

Dependent Variable: hasilpersentasekesembuhanlukabakar

Tukey HSD

(I) sediaan	(J) sediaan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
formula1	formula2	-6.251800	3.533192	.417	-16.82443	4.32083
	formula3	-10.932400	3.533192	.041	-21.50503	-.35977
	kontrolpositif	-13.039200	3.533192	.011	-23.61183	-2.46657
	kontrolnegative	1.848200	3.533192	.984	-8.72443	12.42083
formula2	formula1	6.251800	3.533192	.417	-4.32083	16.82443
	formula3	-4.680600	3.533192	.680	-15.25323	5.89203
	kontrolpositif	-6.787400	3.533192	.339	-17.36003	3.78523
	kontrolnegative	8.100000	3.533192	.188	-2.47263	18.67263
formula3	formula1	10.932400	3.533192	.041	.35977	21.50503
	formula2	4.680600	3.533192	.680	-5.89203	15.25323
	kontrolpositif	-2.106800	3.533192	.974	-12.67943	8.46583
	kontrolnegative	12.780600	3.533192	.013	2.20797	23.35323
kontrolpositif	formula1	13.039200	3.533192	.011	2.46657	23.61183
	formula2	6.787400	3.533192	.339	-3.78523	17.36003
	formula3	2.106800	3.533192	.974	-8.46583	12.67943
	kontrolnegative	14.887400	3.533192	.003	4.31477	25.46003
control negative	formula1	-1.848200	3.533192	.984	-12.42083	8.72443
	formula2	-8.100000	3.533192	.188	-18.67263	2.47263
	formula3	-12.780600	3.533192	.013	-23.35323	-2.20797
	kontrolpositif	-14.887400	3.533192	.003	-25.46003	-4.31477

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

Hasil persentase kesembuhan lukabakar

Tukey HSD^a

Sediaan	N	Subset for alpha = 0.05	
		1	2
kontrolnegative	5	34.57420	
formula1	5	36.42240	
formula2	5	42.67420	42.67420
formula3	5		47.35480
Kontrol positif	5		49.46160
Sig.		.188	.339

Means for groups in homogeneous subsets are displayed.

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