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## Lampiran 1. Hasil determinasi



**KEMENTERIAN KESEHATAN REPUBLIK INDONESIA**  
**BALAI BESAR PENELITIAN DAN PENGEMBANGAN 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.04.02/2/2248/2021 05 Oktober 2021  
 Lampiran : -  
 Hal : Keterangan Determinasi

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

Merujuk surat Saudara nomor: 397/H6-04/23.08.2021 tanggal 23 Agustus 2021 hal permohonan determinasi, dengan ini kami sampaikan bahwa hasil determinasi sampel tanaman sebagai berikut:

Nama Pemohon : Diah Sekar Sari  
 Nama Sampel : Dlingo  
 Sampel : Segar  
 Spesies : *Acorus calamus* L.  
 Sinonim : *Acorus calamus* var. *americanus* Raf.;  
                   *Acorus calamus* var. *angustatus* Besser  
 Familia : Acoraceae  
 Penanggung Jawab : Isna Jati Asiyah, M.Sc.

Hasil determinasi tersebut hanya mencakup sampel tanaman yang telah dikirimkan ke B2P2TOOT.

Atas perhatian Saudara, kami sampaikan terima kasih.

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



**Akhmad Saikhu, S.K.M.,**  
**M.Sc.PH.**  
 NIP 196805251992031004

Tembusan :  
 -

## Lampiran 2. Tanaman Dlingo dan Perkolasi



Daun dlingo



Serbuk daun dlingo



Uji kadar lembab serbuk



Perkolasi



Pemekatan (Rotary evaporator)



Ekstrak daun dlingo

**Lampiran 3. Identifikasi kandungan tanaman dan uji bebas alkohol**

Uji flavonoid



Uji saponin



Uji tanin



Uji alkaloid



Uji bebas alkohol

**Lampiran 4. Gambar alat uji gel dan sediaan gel antiseptik tangan**

Sediaan gel antiseptik tangan



Uji homogenitas



Uji viskositas



Uji daya lekat



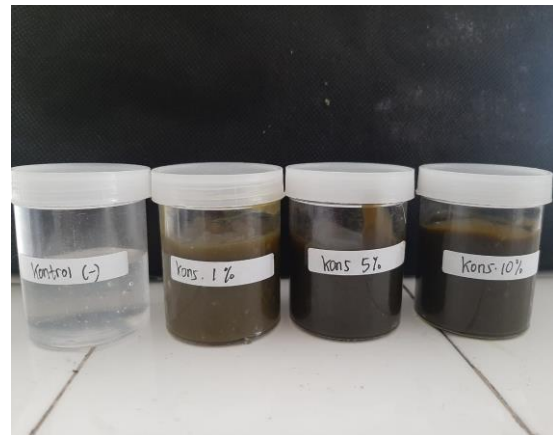
Uji daya sebar



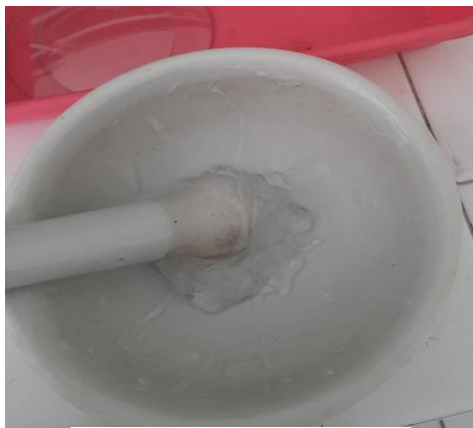
Uji pH



Oven



Uji stabilitas



Pembuatan kontrol negatif



Pembuatan gel antiseptik tangan



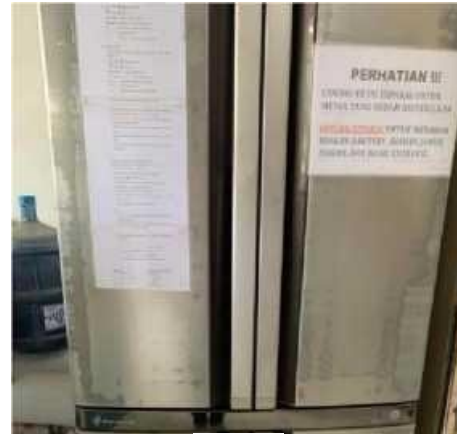
Mikroskop



Bahan gel &amp; kontrol positif

**Lampiran 5. Gambar Alat Uji dan Identifikasi Bakteri *S.aureus***

Inkubator



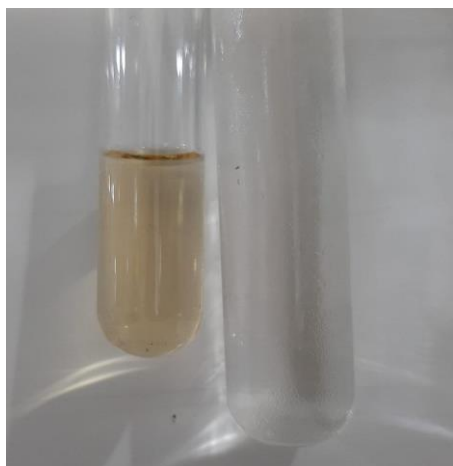
Kulkas



*Laminar air flow*



*Autoclave*

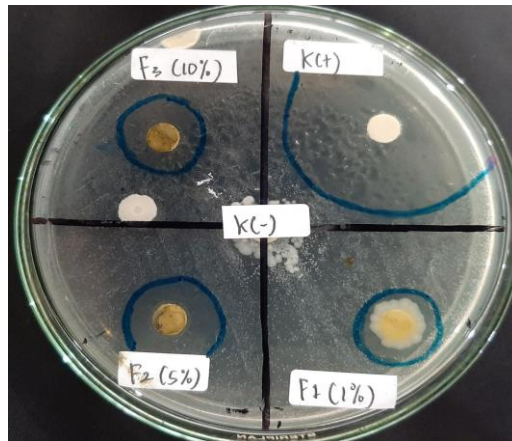


Suspensi biakan bakteri

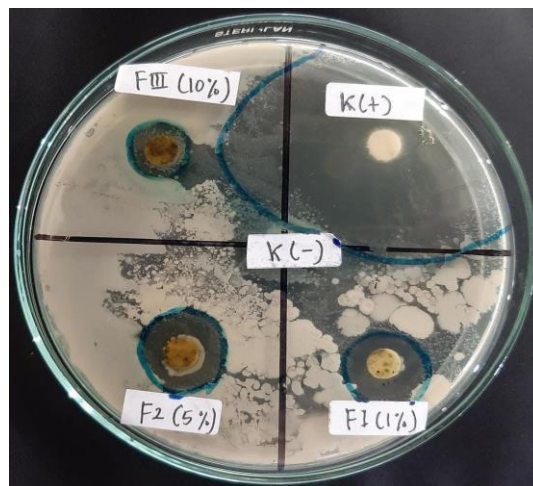


Biakan murni bakteri

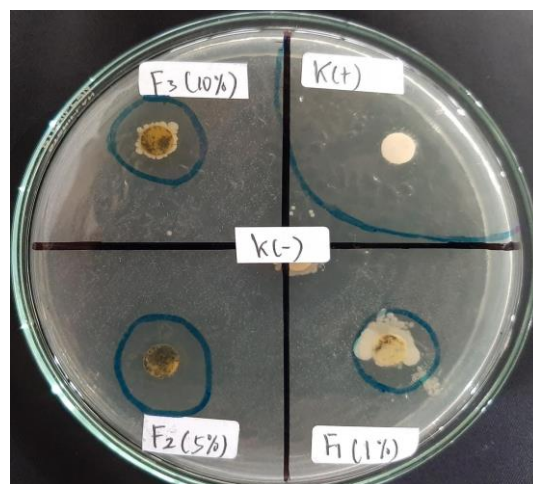
Lampiran 6. Gambar orientasi ekstrak daun dlingo dengan pelarut DMSO  
2%



Replikasi 1



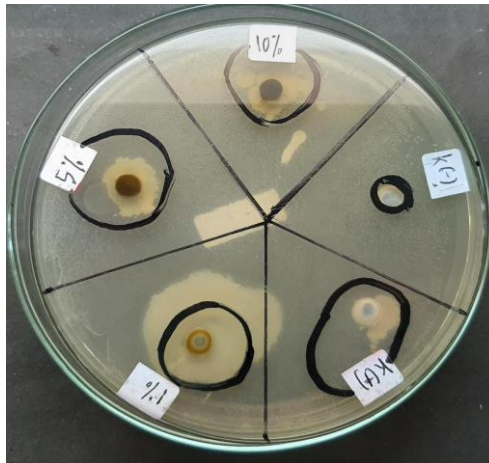
Replikasi 2



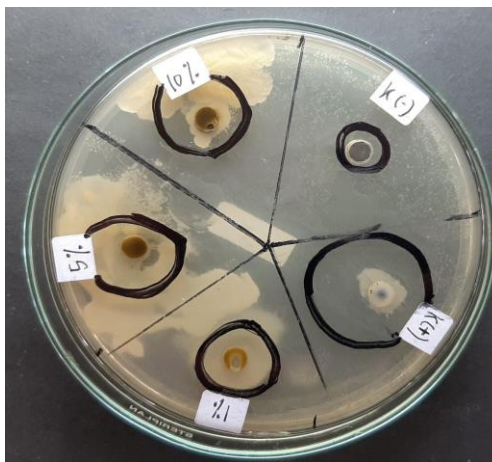
Replikasi 3



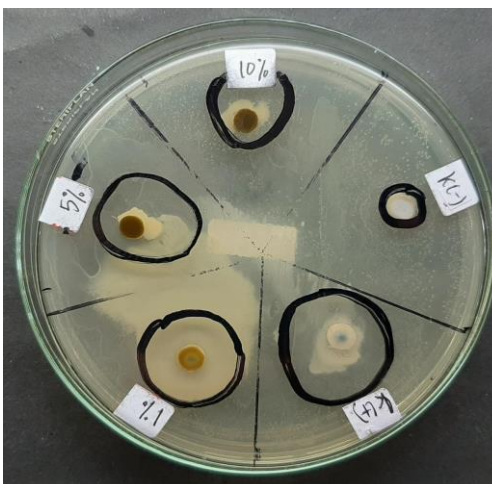
**Lampiran 7. Gambar uji aktivitas antibakteri sediaan gel antiseptik tangan**



Replikasi 1



Replikasi 2



Replikasi 3

**Lampiran 8. Susut pengeringan serbuk daun dlingo**

Replikasi 1



Replikasi 2



Replikasi 3

**Lampiran 9. Perhitungan rendemen daun dlingo kering**

Bahan awal = 22,17 kg  
 Simplisia kering = 4 kg  
 Rendemen =  $\frac{\text{Bobot kering (gram)}}{\text{Bobot basah (gram)}} \times 100\%$   
 $= \frac{4000}{22170} \times 100\%$   
 $= 18,04\%$

Bahan awal (g)	Simplisia kering (g)	Rendemen (%)
22170	4000	18,04

**Lampiran 10. Perhitungan rendemen serbuk terhadap daun dlingo kering**

Bahan kering = 4000 gram  
 Serbuk = 2100 gram  
 Rendemen =  $\frac{\text{Bobot serbuk (gram)}}{\text{Bobot kering (gram)}} \times 100\%$   
 $= \frac{2100}{4000} \times 100\%$   
 $= 52,5\%$

Simplisia kering (g)	Serbuk (g)	Rendemen (%)
4000	2100	52,5

**Lampiran 11. Perhitungan kadar air serbuk daun dlingo**

Kadar air serbuk =  $\frac{\text{Volume air (ml)}}{\text{Berat serbuk}} \times 100\%$

Replikasi 1 =  $\frac{1,2 \text{ ml}}{20 \text{ g}} \times 100\% = 6\%$

Replikasi 2 =  $\frac{1,3 \text{ ml}}{20 \text{ g}} \times 100\% = 6,5\%$

Replikasi 3 =  $\frac{1,5 \text{ ml}}{20 \text{ g}} \times 100\% = 7,5\%$

Rata-rata kadar air serbuk =  $\frac{6 + 6,5 + 7,5}{3} = 6,6\%$

Replikasi	Berat serbuk (g)	Volume air (ml)	Kadar air (% b/v)
1	20	1,2	6
2	20	1,3	6,5
3	20	1,5	7,5
Rata-rata			6,6

### Lampiran 12. Perhitungan rendemen ekstrak terhadap serbuk daun dlingo

Serbuk = 2100 gram

Ekstrak = 406 gram

Rendemen =  $\frac{\text{Bobot serbuk (gram)}}{\text{Bobot kering (gram)}} \times 100\%$

$$= \frac{406}{2100} \times 100\%$$

$$= 19,33 \%$$

Serbuk (g)	Ekstrak (g)	Rendemen (%)
2100	406	19,33

### Lampiran 13. Perhitungan kadar air ekstrak secara Gravimetri

Kadar air ekstrak =  $\frac{\text{Berat sebelum pengeringan} - \text{berat setelah pengeringan (g)}}{\text{Berat sebelum pengeringan (g)}} \times 100\%$

Replikasi 1 =  $\frac{10,383 - 9,521 (g)}{10,383 (g)} \times 100\% = 8,30\%$

Replikasi 2 =  $\frac{10,167 - 9,292 (g)}{10,167 (g)} \times 100\% = 8,60\%$

Replikasi 3 =  $\frac{10,410 - 9,542 (g)}{10,410 (g)} \times 100\% = 8,33\%$

Rata-rata kadar air ekstrak =  $\frac{8,30 + 8,60 + 8,33}{3} = 8,41\%$

Replikasi	Berat ekstrak awal (g)	Berat ekstrak akhir (g)	Kadar air (%)
1	10,383	9,521	8,30
2	10,167	9,292	8,60
3	10,410	9,542	8,33
	Rata-rata		8,41

**Lampiran 14. Uji statistik *Shapiro-Wilk* dan analisis *One Way ANOVA* uji viskositas gel antiseptik tangan ekstrak daun dlingo**

**Tests of Normality**

	Kelompok Pengujian	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	Df	Sig.
viskositas	Kontrol (-)	,219	3	.	,987	3	,780
	Formula I	,292	3	.	,923	3	,463
	Formula II	,175	3	.	1,000	3	1,000
	Formula III	,314	3	.	,893	3	,363

a. Lilliefors Significance Correction

**Test of Homogeneity of Variances**

Viskositas

Levene Statistic	df1	df2	Sig.
,517	3	8	,682

**ANOVA**

Viskositas

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	1113,583	3	371,194	37,431	,000
Within Groups	79,333	8	9,917		
Total	1192,917	11			

**Multiple Comparisons**

Dependent Variable: Viskositas

Tukey HSD

(I) Kelompok Pengujian	(J) Kelompok Pengujian	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Kontrol (-)	Formula I	20,000	2,571	,000	11,77	28,23
	Formula II	6,667	2,571	,118	-1,57	14,90
	Formula III	23,667	2,571	,000	15,43	31,90
Formula I	Kontrol (-)	-20,000	2,571	,000	-28,23	-11,77
	Formula II	-13,333	2,571	,004	-21,57	-5,10
	Formula III	3,667	2,571	,519	-4,57	11,90
Formula II	Kontrol (-)	-6,667	2,571	,118	-14,90	1,57
	Formula I	13,333	2,571	,004	5,10	21,57
	Formula III	17,000	2,571	,001	8,77	25,23
Formula III	Kontrol (-)	-23,667	2,571	,000	-31,90	-15,43
	Formula I	-3,667	2,571	,519	-11,90	4,57
	Formula II	-17,000	2,571	,001	-25,23	-8,77

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

**Viskositas**Tukey HSD<sup>a</sup>

Kelompok Pengujian	N	Subset for alpha = 0.05	
		1	2
Formula III	3	341,00	
Formula I	3	344,67	
Formula II	3		358,00
Kontrol (-)	3		364,67
Sig.		,519	,118

Means for groups in homogeneous subsets are displayed.

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

**Lampiran 15. Uji statistik *Shapiro-Wilk* dan analisis *one way* ANOVA uji pH gel antiseptik tangan ekstrak daun dlingo**

		Tests of Normality					
		Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Kelompok Pengujian	Statistic	df	Sig.	Statistic	df	Sig.
pH	Kontrol (+)	,175	3	.	1,000	3	1,000
	Kontrol (-)	,385	3	.	,750	3	,000
	Formula I	,292	3	.	,923	3	,463
	Formula II	,219	3	.	,987	3	,780
	Formula III	,232	3	.	,980	3	,726

a. Lilliefors Significance Correction

**Test of Homogeneity of Variances**

Uji pH

Levene Statistic	df1	df2	Sig.
1,742	4	10	,217

**ANOVA**

Uji pH

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3,827	4	,957	1630,665	,000
Within Groups	,006	10	,001		
Total	3,832	14			

### Multiple Comparisons

Dependent Variable: Uji pH

Tukey HSD

(I)	(J) Kelompok	Mean	Std. Error	Sig.	95% Confidence Interval	
Kelompok Pengujian	Pengujian	Difference (I-J)			Lower Bound	Upper Bound
Kontrol (+)	Kontrol (-)	,54667	,01978	,000	,4816	,6118
	Formula I	,62333	,01978	,000	,5582	,6884
	Formula II	1,09333	,01978	,000	1,0282	1,1584
	Formula III	1,48333	,01978	,000	1,4182	1,5484
Kontrol (-)	Kontrol (+)	-,54667	,01978	,000	-,6118	-,4816
	Formula I	,07667	,01978	,020	,0116	,1418
	Formula II	,54667	,01978	,000	,4816	,6118
	Formula III	,93667	,01978	,000	,8716	1,0018
Formula I	Kontrol (+)	-,62333	,01978	,000	-,6884	-,5582
	Kontrol (-)	-,07667	,01978	,020	-,1418	-,0116
	Formula II	,47000	,01978	,000	,4049	,5351
	Formula III	,86000	,01978	,000	,7949	,9251
Formula II	Kontrol (+)	-1,09333	,01978	,000	-1,1584	-1,0282
	Kontrol (-)	-,54667	,01978	,000	-,6118	-,4816
	Formula I	-,47000	,01978	,000	-,5351	-,4049
	Formula III	,39000	,01978	,000	,3249	,4551
Formula III	Kontrol (+)	-1,48333	,01978	,000	-1,5484	-1,4182
	Kontrol (-)	-,93667	,01978	,000	-1,0018	-,8716
	Formula I	-,86000	,01978	,000	-,9251	-,7949
	Formula II	-,39000	,01978	,000	-,4551	-,3249

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

### Uji pH

Tukey HSD<sup>a</sup>

Kelompok Pengujian	N	Subset for alpha = 0.05				
		1	2	3	4	5
Formula III	3	4,9267				
Formula II	3		5,3167			
Formula I	3			5,7867		
Kontrol (-)	3				5,8633	
Kontrol (+)	3					6,4100
Sig.		1,000	1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

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



**Lampiran 16. Uji statistik *Shapiro-Wilk* dan analisis *one way* ANOVA uji daya lekat gel antiseptik tangan ekstrak daun dlingo**

**Tests of Normality**

	Kelompok Pengujian	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Daya Lekat	Kontrol (+)	,253	3	.	,964	3	,637
	Kontrol (-)	,253	3	.	,964	3	,637
	Formula I	,292	3	.	,923	3	,463
	Formula II	,292	3	.	,923	3	,463
	Formula III	,292	3	.	,923	3	,463

a. Lilliefors Significance Correction

**Test of Homogeneity of Variances**

Daya Lekat

Levene Statistic	df1	df2	Sig.
,289	4	10	,878

**ANOVA**

Daya Lekat

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	,053	4	,013	37,660	,000
Within Groups	,004	10	,000		
Total	,057	14			

**Multiple Comparisons**

Dependent Variable: Daya Lekat

Tukey HSD

(I) Kelompok Pengujian	(J) Kelompok Pengujian	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Kontrol (+)	Kontrol (-)	-,04000	,01535	,142	-,0905	,0105
	Formula I	,08000	,01535	,003	,0295	,1305
	Formula II	-,00667	,01535	,991	-,0572	,0438
	Formula III	,12000	,01535	,000	,0695	,1705
Kontrol (-)	Kontrol (+)	,04000	,01535	,142	-,0105	,0905
	Formula I	,12000	,01535	,000	,0695	,1705
	Formula II	,03333	,01535	,264	-,0172	,0838
	Formula III	,16000	,01535	,000	,1095	,2105
Formula I	Kontrol (+)	-,08000	,01535	,003	-,1305	-,0295
	Kontrol (-)	-,12000	,01535	,000	-,1705	-,0695
	Formula II	-,08667	,01535	,002	-,1372	-,0362
	Formula III	,04000	,01535	,142	-,0105	,0905
Formula II	Kontrol (+)	,00667	,01535	,991	-,0438	,0572
	Kontrol (-)	-,03333	,01535	,264	-,0838	,0172
	Formula I	,08667	,01535	,002	,0362	,1372
	Formula III	,12667	,01535	,000	,0762	,1772
Formula III	Kontrol (+)	-,12000	,01535	,000	-,1705	-,0695
	Kontrol (-)	-,16000	,01535	,000	-,2105	-,1095
	Formula I	-,04000	,01535	,142	-,0905	,0105
	Formula II	-,12667	,01535	,000	-,1772	-,0762

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

**Daya Lekat**

Tukey HSD<sup>a</sup>

Kelompok Pengujian	N	Subset for alpha = 0.05	
		1	2
Formula III	3	1,4067	
Formula I	3	1,4467	
Kontrol (+)	3		1,5267
Formula II	3		1,5333
Kontrol (-)	3		1,5667
Sig.		,142	,142

Means for groups in homogeneous subsets are displayed.

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

**Lampiran 17. Uji statistik *Shapiro-Wilk* dan analisis *one way* ANOVA uji daya sebar gel antiseptik tangan ekstrak daun dlingo**

**Tests of Normality**

	Kelompok Pengujian	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Daya Sebar	Kontrol (-) TB	,314	3	.	,893	3	,363
	Kontrol (-) 50 gram	,253	3	.	,964	3	,637
	Kontrol (-) 100 gram	,328	3	.	,871	3	,298
	Kontrol (-) 150 gram	,337	3	.	,855	3	,253
	Formula I TB	,204	3	.	,993	3	,843
	Formula I 50 gram	,253	3	.	,964	3	,637
	Formula I 100 gram	,219	3	.	,987	3	,780
	Formula I 150 gram	,253	3	.	,964	3	,637
	Formula II TB	,204	3	.	,993	3	,843
	Formula II 50 gram	,196	3	.	,996	3	,878
	Formula II 100 gram	,232	3	.	,980	3	,726
	Formula II 150 gram	,204	3	.	,993	3	,843
	Formula III TB	,219	3	.	,987	3	,780
	Formula III 50 gram	,328	3	.	,871	3	,298
	Formula III 100 gram	,175	3	.	1,000	3	1,000
Formula III 150 gram	,314	3	.	,893	3	,363	

a. Lilliefors Significance Correction

**Test of Homogeneity of Variances**

Daya Sebar

Levene Statistic	df1	df2	Sig.
,446	15	32	,951

**ANOVA**

Daya Sebar

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	32,280	15	2,152	21,747	,000
Within Groups	3,167	32	,099		
Total	35,447	47			

## Multiple Comparisons

Dependent Variable: Daya Sebar  
Tukey HSD

(I) Kelompok Pengujian	(J) Kelompok Pengujian	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Kontrol (-) TB	Kontrol (-) 50 gram	-,36667	,25685	,983	-1,3191	,5858
	Kontrol (-) 100 gram	-,63333	,25685	,517	-1,5858	,3191
	Kontrol (-) 150 gram	-,86667	,25685	,106	-1,8191	,0858
	Formula I TB	-1,06667	,25685	,017	-2,0191	-,1142
	Formula I 50 gram	-1,56667	,25685	,000	-2,5191	-,6142
	Formula I 100 gram	-1,96667	,25685	,000	-2,9191	-1,0142
	Formula I 150 gram	-2,33333	,25685	,000	-3,2858	-1,3809
	Formula II TB	-,73333	,25685	,290	-1,6858	,2191
	Formula II 50 gram	-1,13333	,25685	,009	-2,0858	-,1809
	Formula II 100 gram	-1,56667	,25685	,000	-2,5191	-,6142
	Formula II 150 gram	-1,96667	,25685	,000	-2,9191	-1,0142
	Formula III TB	-1,06667	,25685	,017	-2,0191	-,1142
	Formula III 50 gram	-1,96667	,25685	,000	-2,9191	-1,0142
	Formula III 100 gram	-2,70000	,25685	,000	-3,6524	-1,7476
	Formula III 150 gram	-3,00000	,25685	,000	-3,9524	-2,0476
Kontrol (-) 50 gram	Kontrol (-) TB	,36667	,25685	,983	-,5858	1,3191
	Kontrol (-) 100 gram	-,26667	,25685	,999	-1,2191	,6858
	Kontrol (-) 150 gram	-,50000	,25685	,835	-1,4524	,4524
	Formula I TB	-,70000	,25685	,358	-1,6524	,2524
	Formula I 50 gram	-1,20000	,25685	,004	-2,1524	-,2476
	Formula I 100 gram	-1,60000	,25685	,000	-2,5524	-,6476
	Formula I 150 gram	-1,96667	,25685	,000	-2,9191	-1,0142
	Formula II TB	-,36667	,25685	,983	-1,3191	,5858
	Formula II 50 gram	-,76667	,25685	,231	-1,7191	,1858
	Formula II 100 gram	-1,20000	,25685	,004	-2,1524	-,2476
	Formula II 150 gram	-1,60000	,25685	,000	-2,5524	-,6476
	Formula III TB	-,70000	,25685	,358	-1,6524	,2524
	Formula III 50 gram	-1,60000	,25685	,000	-2,5524	-,6476
	Formula III 100 gram	-2,33333	,25685	,000	-3,2858	-1,3809
	Formula III 150 gram	-2,63333	,25685	,000	-3,5858	-1,6809
Kontrol (-) 100 gram	Kontrol (-) TB	,63333	,25685	,517	-,3191	1,5858
	Kontrol (-) 50 gram	,26667	,25685	,999	-,6858	1,2191
	Kontrol (-) 150 gram	-,23333	,25685	1,000	-1,1858	,7191
	Formula I TB	-,43333	,25685	,936	-1,3858	,5191
	Formula I 50 gram	-,93333	,25685	,059	-1,8858	,0191
	Formula I 100 gram	-1,33333	,25685	,001	-2,2858	-,3809
	Formula I 150 gram	-1,70000	,25685	,000	-2,6524	-,7476
	Formula II TB	-,10000	,25685	1,000	-1,0524	,8524
	Formula II 50 gram	-,50000	,25685	,835	-1,4524	,4524
	Formula II 100 gram	-,93333	,25685	,059	-1,8858	,0191
	Formula II 150 gram	-1,33333	,25685	,001	-2,2858	-,3809
	Formula III TB	-,43333	,25685	,936	-1,3858	,5191
	Formula III 50 gram	-1,33333	,25685	,001	-2,2858	-,3809
	Formula III 100 gram	-2,06667	,25685	,000	-3,0191	-1,1142
	Formula III 150 gram	-2,36667	,25685	,000	-3,3191	-1,4142
Kontrol (-) 150 gram	Kontrol (-) TB	,86667	,25685	,106	-,0858	1,8191
	Kontrol (-) 50 gram	,50000	,25685	,835	-,4524	1,4524

	Kontrol (-) 100 gram	,23333	,25685	1,000	-,7191	1,1858
	Formula I TB	-,20000	,25685	1,000	-1,1524	,7524
	Formula I 50 gram	-,70000	,25685	,358	-1,6524	,2524
	Formula I 100 gram	-1,10000	,25685	,012	-2,0524	-,1476
	Formula I 150 gram	-1,46667	,25685	,000	-2,4191	-,5142
	Formula II TB	,13333	,25685	1,000	-,8191	1,0858
	Formula II 50 gram	-,26667	,25685	,999	-1,2191	,6858
	Formula II 100 gram	-,70000	,25685	,358	-1,6524	,2524
	Formula II 150 gram	-1,10000	,25685	,012	-2,0524	-,1476
	Formula III TB	-,20000	,25685	1,000	-1,1524	,7524
	Formula III 50 gram	-1,10000	,25685	,012	-2,0524	-,1476
	Formula III 100 gram	-1,83333	,25685	,000	-2,7858	-,8809
	Formula III 150 gram	-2,13333	,25685	,000	-3,0858	-1,1809
Formula I TB	Kontrol (-) TB	1,06667	,25685	,017	,1142	2,0191
	Kontrol (-) 50 gram	,70000	,25685	,358	-,2524	1,6524
	Kontrol (-) 100 gram	,43333	,25685	,936	-,5191	1,3858
	Kontrol (-) 150 gram	,20000	,25685	1,000	-,7524	1,1524
	Formula I 50 gram	-,50000	,25685	,835	-1,4524	,4524
	Formula I 100 gram	-,90000	,25685	,080	-1,8524	,0524
	Formula I 150 gram	-1,26667	,25685	,002	-2,2191	-,3142
	Formula II TB	,33333	,25685	,993	-,6191	1,2858
	Formula II 50 gram	-,06667	,25685	1,000	-1,0191	,8858
	Formula II 100 gram	-,50000	,25685	,835	-1,4524	,4524
	Formula II 150 gram	-,90000	,25685	,080	-1,8524	,0524
	Formula III TB	,00000	,25685	1,000	-,9524	,9524
	Formula III 50 gram	-,90000	,25685	,080	-1,8524	,0524
	Formula III 100 gram	-1,63333	,25685	,000	-2,5858	-,6809
	Formula III 150 gram	-1,93333	,25685	,000	-2,8858	-,9809
Formula I 50 gram	Kontrol (-) TB	1,56667	,25685	,000	,6142	2,5191
	Kontrol (-) 50 gram	1,20000	,25685	,004	,2476	2,1524
	Kontrol (-) 100 gram	,93333	,25685	,059	-,0191	1,8858
	Kontrol (-) 150 gram	,70000	,25685	,358	-,2524	1,6524
	Formula I TB	,50000	,25685	,835	-,4524	1,4524
	Formula I 100 gram	-,40000	,25685	,965	-1,3524	,5524
	Formula I 150 gram	-,76667	,25685	,231	-1,7191	,1858
	Formula II TB	,83333	,25685	,139	-,1191	1,7858
	Formula II 50 gram	,43333	,25685	,936	-,5191	1,3858
	Formula II 100 gram	,00000	,25685	1,000	-,9524	,9524
	Formula II 150 gram	-,40000	,25685	,965	-1,3524	,5524
	Formula III TB	,50000	,25685	,835	-,4524	1,4524
	Formula III 50 gram	-,40000	,25685	,965	-1,3524	,5524
	Formula III 100 gram	-1,13333	,25685	,009	-2,0858	-,1809
	Formula III 150 gram	-1,43333	,25685	,000	-2,3858	-,4809
Formula I 100 gram	Kontrol (-) TB	1,96667	,25685	,000	1,0142	2,9191
	Kontrol (-) 50 gram	1,60000	,25685	,000	,6476	2,5524
	Kontrol (-) 100 gram	1,33333	,25685	,001	,3809	2,2858
	Kontrol (-) 150 gram	1,10000	,25685	,012	,1476	2,0524
	Formula I TB	,90000	,25685	,080	-,0524	1,8524
	Formula I 50 gram	,40000	,25685	,965	-,5524	1,3524
	Formula I 150 gram	-,36667	,25685	,983	-1,3191	,5858
	Formula II TB	1,23333	,25685	,003	,2809	2,1858
	Formula II 50 gram	,83333	,25685	,139	-,1191	1,7858
	Formula II 100 gram	,40000	,25685	,965	-,5524	1,3524
	Formula II 150 gram	,00000	,25685	1,000	-,9524	,9524
	Formula III TB	,90000	,25685	,080	-,0524	1,8524
	Formula III 50 gram	,00000	,25685	1,000	-,9524	,9524

	Formula III 100 gram	-,73333	,25685	,290	-1,6858	,2191
	Formula III 150 gram	-1,03333	,25685	,023	-1,9858	-,0809
Formula I 150 gram	Kontrol (-) TB	2,33333	,25685	,000	1,3809	3,2858
	Kontrol (-) 50 gram	1,96667	,25685	,000	1,0142	2,9191
	Kontrol (-) 100 gram	1,70000	,25685	,000	,7476	2,6524
	Kontrol (-) 150 gram	1,46667	,25685	,000	,5142	2,4191
	Formula I TB	1,26667	,25685	,002	,3142	2,2191
	Formula I 50 gram	,76667	,25685	,231	-,1858	1,7191
	Formula I 100 gram	,36667	,25685	,983	-,5858	1,3191
	Formula II TB	1,60000	,25685	,000	,6476	2,5524
	Formula II 50 gram	1,20000	,25685	,004	,2476	2,1524
	Formula II 100 gram	,76667	,25685	,231	-,1858	1,7191
	Formula II 150 gram	,36667	,25685	,983	-,5858	1,3191
	Formula III TB	1,26667	,25685	,002	,3142	2,2191
	Formula III 50 gram	,36667	,25685	,983	-,5858	1,3191
	Formula III 100 gram	-,36667	,25685	,983	-1,3191	,5858
	Formula III 150 gram	-,66667	,25685	,435	-1,6191	,2858
Formula II TB	Kontrol (-) TB	,73333	,25685	,290	-,2191	1,6858
	Kontrol (-) 50 gram	,36667	,25685	,983	-,5858	1,3191
	Kontrol (-) 100 gram	,10000	,25685	1,000	-,8524	1,0524
	Kontrol (-) 150 gram	-,13333	,25685	1,000	-1,0858	,8191
	Formula I TB	-,33333	,25685	,993	-1,2858	,6191
	Formula I 50 gram	-,83333	,25685	,139	-1,7858	,1191
	Formula I 100 gram	-1,23333	,25685	,003	-2,1858	-,2809
	Formula I 150 gram	-1,60000	,25685	,000	-2,5524	-,6476
	Formula II 50 gram	-,40000	,25685	,965	-1,3524	,5524
	Formula II 100 gram	-,83333	,25685	,139	-1,7858	,1191
	Formula II 150 gram	-1,23333	,25685	,003	-2,1858	-,2809
	Formula III TB	-,33333	,25685	,993	-1,2858	,6191
	Formula III 50 gram	-1,23333	,25685	,003	-2,1858	-,2809
	Formula III 100 gram	-1,96667	,25685	,000	-2,9191	-1,0142
	Formula III 150 gram	-2,26667	,25685	,000	-3,2191	-1,3142
Formula II 50 gram	Kontrol (-) TB	1,13333	,25685	,009	,1809	2,0858
	Kontrol (-) 50 gram	,76667	,25685	,231	-,1858	1,7191
	Kontrol (-) 100 gram	,50000	,25685	,835	-,4524	1,4524
	Kontrol (-) 150 gram	,26667	,25685	,999	-,6858	1,2191
	Formula I TB	,06667	,25685	1,000	-,8858	1,0191
	Formula I 50 gram	-,43333	,25685	,936	-1,3858	,5191
	Formula I 100 gram	-,83333	,25685	,139	-1,7858	,1191
	Formula I 150 gram	-1,20000	,25685	,004	-2,1524	-,2476
	Formula II TB	,40000	,25685	,965	-,5524	1,3524
	Formula II 100 gram	-,43333	,25685	,936	-1,3858	,5191
	Formula II 150 gram	-,83333	,25685	,139	-1,7858	,1191
	Formula III TB	,06667	,25685	1,000	-,8858	1,0191
	Formula III 50 gram	-,83333	,25685	,139	-1,7858	,1191
	Formula III 100 gram	-1,56667	,25685	,000	-2,5191	-,6142
	Formula III 150 gram	-1,86667	,25685	,000	-2,8191	-,9142
Formula II 100 gram	Kontrol (-) TB	1,56667	,25685	,000	,6142	2,5191
	Kontrol (-) 50 gram	1,20000	,25685	,004	,2476	2,1524
	Kontrol (-) 100 gram	,93333	,25685	,059	-,0191	1,8858
	Kontrol (-) 150 gram	,70000	,25685	,358	-,2524	1,6524
	Formula I TB	,50000	,25685	,835	-,4524	1,4524
	Formula I 50 gram	,00000	,25685	1,000	-,9524	,9524
	Formula I 100 gram	-,40000	,25685	,965	-1,3524	,5524
	Formula I 150 gram	-,76667	,25685	,231	-1,7191	,1858
Formula II TB	,83333	,25685	,139	-,1191	1,7858	

	Formula II 50 gram	,43333	,25685	,936	-,5191	1,3858
	Formula II 150 gram	-,40000	,25685	,965	-1,3524	,5524
	Formula III TB	,50000	,25685	,835	-,4524	1,4524
	Formula III 50 gram	-,40000	,25685	,965	-1,3524	,5524
	Formula III 100 gram	-1,13333	,25685	,009	-2,0858	-,1809
	Formula III 150 gram	-1,43333	,25685	,000	-2,3858	-,4809
Formula II 150 gram	Kontrol (-) TB	1,96667	,25685	,000	1,0142	2,9191
	Kontrol (-) 50 gram	1,60000	,25685	,000	,6476	2,5524
	Kontrol (-) 100 gram	1,33333	,25685	,001	,3809	2,2858
	Kontrol (-) 150 gram	1,10000	,25685	,012	,1476	2,0524
	Formula I TB	,90000	,25685	,080	-,0524	1,8524
	Formula I 50 gram	,40000	,25685	,965	-,5524	1,3524
	Formula I 100 gram	,00000	,25685	1,000	-,9524	,9524
	Formula I 150 gram	-,36667	,25685	,983	-1,3191	,5858
	Formula II TB	1,23333	,25685	,003	,2809	2,1858
	Formula II 50 gram	,83333	,25685	,139	-,1191	1,7858
	Formula II 100 gram	,40000	,25685	,965	-,5524	1,3524
	Formula III TB	,90000	,25685	,080	-,0524	1,8524
	Formula III 50 gram	,00000	,25685	1,000	-,9524	,9524
	Formula III 100 gram	-,73333	,25685	,290	-1,6858	,2191
	Formula III 150 gram	-1,03333	,25685	,023	-1,9858	-,0809
	Formula III TB	Kontrol (-) TB	1,06667	,25685	,017	,1142
Kontrol (-) 50 gram		,70000	,25685	,358	-,2524	1,6524
Kontrol (-) 100 gram		,43333	,25685	,936	-,5191	1,3858
Kontrol (-) 150 gram		,20000	,25685	1,000	-,7524	1,1524
Formula I TB		,00000	,25685	1,000	-,9524	,9524
Formula I 50 gram		-,50000	,25685	,835	-1,4524	,4524
Formula I 100 gram		-,90000	,25685	,080	-1,8524	,0524
Formula I 150 gram		-1,26667	,25685	,002	-2,2191	-,3142
Formula II TB		,33333	,25685	,993	-,6191	1,2858
Formula II 50 gram		-,06667	,25685	1,000	-1,0191	,8858
Formula II 100 gram		-,50000	,25685	,835	-1,4524	,4524
Formula II 150 gram		-,90000	,25685	,080	-1,8524	,0524
Formula III 50 gram		-,90000	,25685	,080	-1,8524	,0524
Formula III 100 gram		-1,63333	,25685	,000	-2,5858	-,6809
Formula III 150 gram		-1,93333	,25685	,000	-2,8858	-,9809
Formula III 50 gram		Kontrol (-) TB	1,96667	,25685	,000	1,0142
	Kontrol (-) 50 gram	1,60000	,25685	,000	,6476	2,5524
	Kontrol (-) 100 gram	1,33333	,25685	,001	,3809	2,2858
	Kontrol (-) 150 gram	1,10000	,25685	,012	,1476	2,0524
	Formula I TB	,90000	,25685	,080	-,0524	1,8524
	Formula I 50 gram	,40000	,25685	,965	-,5524	1,3524
	Formula I 100 gram	,00000	,25685	1,000	-,9524	,9524
	Formula I 150 gram	-,36667	,25685	,983	-1,3191	,5858
	Formula II TB	1,23333	,25685	,003	,2809	2,1858
	Formula II 50 gram	,83333	,25685	,139	-,1191	1,7858
	Formula II 100 gram	,40000	,25685	,965	-,5524	1,3524
	Formula II 150 gram	,00000	,25685	1,000	-,9524	,9524
	Formula III TB	,90000	,25685	,080	-,0524	1,8524
	Formula III 100 gram	-,73333	,25685	,290	-1,6858	,2191
	Formula III 150 gram	-1,03333	,25685	,023	-1,9858	-,0809
	Formula III 100 gram	Kontrol (-) TB	2,70000	,25685	,000	1,7476
Kontrol (-) 50 gram		2,33333	,25685	,000	1,3809	3,2858
Kontrol (-) 100 gram		2,06667	,25685	,000	1,1142	3,0191
Kontrol (-) 150 gram		1,83333	,25685	,000	,8809	2,7858
Formula I TB		1,63333	,25685	,000	,6809	2,5858

Formula I 50 gram	1,13333	,25685	,009	,1809	2,0858
Formula I 100 gram	,73333	,25685	,290	-,2191	1,6858
Formula I 150 gram	,36667	,25685	,983	-,5858	1,3191
Formula II TB	1,96667	,25685	,000	1,0142	2,9191
Formula II 50 gram	1,56667	,25685	,000	,6142	2,5191
Formula II 100 gram	1,13333	,25685	,009	,1809	2,0858
Formula II 150 gram	,73333	,25685	,290	-,2191	1,6858
Formula III TB	1,63333	,25685	,000	,6809	2,5858
Formula III 50 gram	,73333	,25685	,290	-,2191	1,6858
Formula III 150 gram	-,30000	,25685	,998	-1,2524	,6524
Formula III Kontrol (-) TB	3,00000	,25685	,000	2,0476	3,9524
Formula III 150 gram Kontrol (-) 50 gram	2,63333	,25685	,000	1,6809	3,5858
Kontrol (-) 100 gram	2,36667	,25685	,000	1,4142	3,3191
Kontrol (-) 150 gram	2,13333	,25685	,000	1,1809	3,0858
Formula I TB	1,93333	,25685	,000	,9809	2,8858
Formula I 50 gram	1,43333	,25685	,000	,4809	2,3858
Formula I 100 gram	1,03333	,25685	,023	,0809	1,9858
Formula I 150 gram	,66667	,25685	,435	-,2858	1,6191
Formula II TB	2,26667	,25685	,000	1,3142	3,2191
Formula II 50 gram	1,86667	,25685	,000	,9142	2,8191
Formula II 100 gram	1,43333	,25685	,000	,4809	2,3858
Formula II 150 gram	1,03333	,25685	,023	,0809	1,9858
Formula III TB	1,93333	,25685	,000	,9809	2,8858
Formula III 50 gram	1,03333	,25685	,023	,0809	1,9858
Formula III 100 gram	,30000	,25685	,998	-,6524	1,2524

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

#### Daya Sebar

Tukey HSD<sup>a</sup>

Kelompok Pengujian	N	Subset for alpha = 0.05						
		1	2	3	4	5	6	7
Kontrol (-) TB	3	3,7000						
Kontrol (-) 50 gram	3	4,0667	4,0667					
Kontrol (-) 100 gram	3	4,3333	4,3333	4,3333				
Formula II TB	3	4,4333	4,4333	4,4333				
Kontrol (-) 150 gram	3	4,5667	4,5667	4,5667				
Formula I TB	3		4,7667	4,7667	4,7667			
Formula III TB	3		4,7667	4,7667	4,7667			
Formula II 50 gram	3		4,8333	4,8333	4,8333			
Formula I 50 gram	3			5,2667	5,2667	5,2667		
Formula II 100 gram	3			5,2667	5,2667	5,2667		
Formula I 100 gram	3				5,6667	5,6667	5,6667	
Formula II 150 gram	3				5,6667	5,6667	5,6667	
Formula III 50 gram	3				5,6667	5,6667	5,6667	
Formula I 150 gram	3					6,0333	6,0333	6,0333
Formula III 100 gram	3						6,4000	6,4000
Formula III 150 gram	3							6,7000
Sig.		,106	,231	,059	,080	,231	,290	,435

Means for groups in homogeneous subsets are displayed.

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



**Lampiran 18. Uji statistik stabilitas pada pH gel antiseptik tangan ekstrak daun dlingo**

**Paired Samples Statistics**

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 Sebelum Cycling test	5,4733	12	,39619	,11437
Sesudah Cycling test	5,2250	12	,36341	,10491

**Paired Samples Correlations**

	N	Correlation	Sig.
Pair 1 Sebelum Cycling test & Sesudah Cycling test	12	,975	,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 Sebelum Cycling test - Sesudah Cycling test	,24833	,09163	,02645	,19011	,30656	9,388	11	,000

**Lampiran 19. Uji statistik stabilitas pada viskositas gel antiseptik tangan ekstrak daun dlingo**

**Paired Samples Statistics**

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 Sebelum Cycling test	352,08	12	10,414	3,006
Sesudah Cycling test	342,83	12	8,892	2,567

**Paired Samples Correlations**

	N	Correlation	Sig.
Pair 1 Sebelum Cycling test & Sesudah Cycling test	12	,918	,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 Sebelum Cycling test - Sesudah Cycling test	9,250	4,181	1,207	6,594	11,906	7,665	11	,000

**Lampiran 20. Uji statistik *Shapiro-Wilk* dan analisis *one way ANOVA* uji aktivitas antibakteri gel antiseptik tangan ekstrak daun dlingo**

**Tests of Normality<sup>a</sup>**

	Kelompok Pengujian	Kolmogorov-Smirnov <sup>b</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Aktivitas Antibakteri	K(+) Ekstrak	,253	3	.	,964	3	,637
	Ekstrak 1%	,175	3	.	1,000	3	1,000
	Ekstrak 5%	,175	3	.	1,000	3	1,000
	Ekstrak 10%	,175	3	.	1,000	3	1,000
	K(-) Formula	,385	3	.	,750	3	,000
	K(+) Formula	,175	3	.	1,000	3	1,000
	Formula 1%	,314	3	.	,893	3	,363
	Formula 5%	,340	3	.	,848	3	,235
	Formula 10%	,269	3	.	,949	3	,567

a. Aktivitas Antibakteri is constant when Kelompok Pengujian = K(-) Ekstrak. It has been omitted.

b. Lilliefors Significance Correction

**Test of Homogeneity of Variances**

Aktivitas Antibakteri

Levene Statistic	df1	df2	Sig.
1,117	9	20	,395

**ANOVA**

Aktivitas Antibakteri

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4410,483	9	490,054	565,664	,000
Within Groups	17,327	20	,866		
Total	4427,810	29			

**Multiple Comparisons**

Dependent Variable: Aktivitas Antibakteri  
Tukey HSD

(I) Kelompok Pengujian	(J) Kelompok Pengujian	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
K(-) Ekstrak	K(+) Ekstrak	-47,6667	,7600	,000	-50,358	-44,976
	Ekstrak 1%	-17,0000*	,7600	,000	-19,691	-14,309
	Ekstrak 5%	-19,0000*	,7600	,000	-21,691	-16,309
	Ekstrak 10%	-16,0000*	,7600	,000	-18,691	-13,309
	K(-) Formula	-3,3333*	,7600	,008	-6,024	-,642
	K(+) Formula	-24,0000*	,7600	,000	-26,691	-21,309
	Formula 1%	-15,4000*	,7600	,000	-18,091	-12,709
	Formula 5%	-17,4333	,7600	,000	-20,124	-14,742
	Formula 10%	-16,1333	,7600	,000	-18,824	-13,442
K(+) Ekstrak	K(-) Ekstrak	47,6667	,7600	,000	44,976	50,358
	Ekstrak 1%	30,6667*	,7600	,000	27,976	33,358
	Ekstrak 5%	28,6667*	,7600	,000	25,976	31,358
	Ekstrak 10%	31,6667*	,7600	,000	28,976	34,358
	K(-) Formula	44,3333	,7600	,000	41,642	47,024
	K(+) Formula	23,6667*	,7600	,000	20,976	26,358
	Formula 1%	32,2667*	,7600	,000	29,576	34,958
	Formula 5%	30,2333	,7600	,000	27,542	32,924
	Formula 10%	31,5333	,7600	,000	28,842	34,224
Ekstrak 1%	K(-) Ekstrak	17,0000	,7600	,000	14,309	19,691
	K(+) Ekstrak	-30,6667	,7600	,000	-33,358	-27,976
	Ekstrak 5%	-2,0000	,7600	,266	-4,691	,691
	Ekstrak 10%	1,0000	,7600	,938	-1,691	3,691
	K(-) Formula	13,6667*	,7600	,000	10,976	16,358
	K(+) Formula	-7,0000*	,7600	,000	-9,691	-4,309
	Formula 1%	1,6000	,7600	,544	-1,091	4,291
	Formula 5%	-,4333	,7600	1,000	-3,124	2,258
	Formula 10%	,8667	,7600	,974	-1,824	3,558
Ekstrak 5%	K(-) Ekstrak	19,0000	,7600	,000	16,309	21,691
	K(+) Ekstrak	-28,6667	,7600	,000	-31,358	-25,976
	Ekstrak 1%	2,0000	,7600	,266	-,691	4,691
	Ekstrak 10%	3,0000	,7600	,021	,309	5,691
	K(-) Formula	15,6667*	,7600	,000	12,976	18,358
	K(+) Formula	-5,0000*	,7600	,000	-7,691	-2,309
	Formula 1%	3,6000	,7600	,004	,909	6,291
	Formula 5%	1,5667	,7600	,571	-1,124	4,258
	Formula 10%	2,8667*	,7600	,031	,176	5,558
Ekstrak 10%	K(-) Ekstrak	16,0000	,7600	,000	13,309	18,691
	K(+) Ekstrak	-31,6667	,7600	,000	-34,358	-28,976
	Ekstrak 1%	-1,0000	,7600	,938	-3,691	1,691
	Ekstrak 5%	-3,0000*	,7600	,021	-5,691	-,309
	K(-) Formula	12,6667*	,7600	,000	9,976	15,358
	K(+) Formula	-8,0000*	,7600	,000	-10,691	-5,309
	Formula 1%	,6000	,7600	,998	-2,091	3,291
	Formula 5%	-1,4333	,7600	,678	-4,124	1,258
	Formula 10%	-,1333	,7600	1,000	-2,824	2,558
K(-) Formula	K(-) Ekstrak	3,3333	,7600	,008	,642	6,024
	K(+) Ekstrak	-44,3333	,7600	,000	-47,024	-41,642
	Ekstrak 1%	-13,6667*	,7600	,000	-16,358	-10,976
	Ekstrak 5%	-15,6667*	,7600	,000	-18,358	-12,976
	Ekstrak 10%	-12,6667*	,7600	,000	-15,358	-9,976
	K(+) Formula	-20,6667*	,7600	,000	-23,358	-17,976

	Formula 1%	-12,0667*	,7600	,000	-14,758	-9,376
	Formula 5%	-14,1000	,7600	,000	-16,791	-11,409
	Formula 10%	-12,8000	,7600	,000	-15,491	-10,109
K(+) Formula	K(-) Ekstrak	24,0000	,7600	,000	21,309	26,691
	K(+) Ekstrak	-23,6667	,7600	,000	-26,358	-20,976
	Ekstrak 1%	7,0000	,7600	,000	4,309	9,691
	Ekstrak 5%	5,0000	,7600	,000	2,309	7,691
	Ekstrak 10%	8,0000	,7600	,000	5,309	10,691
	K(-) Formula	20,6667	,7600	,000	17,976	23,358
	Formula 1%	8,6000	,7600	,000	5,909	11,291
	Formula 5%	6,5667	,7600	,000	3,876	9,258
	Formula 10%	7,8667	,7600	,000	5,176	10,558
Formula 1%	K(-) Ekstrak	15,4000	,7600	,000	12,709	18,091
	K(+) Ekstrak	-32,2667	,7600	,000	-34,958	-29,576
	Ekstrak 1%	-1,6000	,7600	,544	-4,291	1,091
	Ekstrak 5%	-3,6000	,7600	,004	-6,291	-,909
	Ekstrak 10%	-,6000	,7600	,998	-3,291	2,091
	K(-) Formula	12,0667	,7600	,000	9,376	14,758
	K(+) Formula	-8,6000	,7600	,000	-11,291	-5,909
	Formula 5%	-2,0333	,7600	,248	-4,724	,658
	Formula 10%	-,7333	,7600	,991	-3,424	1,958
Formula 5%	K(-) Ekstrak	17,4333	,7600	,000	14,742	20,124
	K(+) Ekstrak	-30,2333	,7600	,000	-32,924	-27,542
	Ekstrak 1%	,4333	,7600	1,000	-2,258	3,124
	Ekstrak 5%	-1,5667	,7600	,571	-4,258	1,124
	Ekstrak 10%	1,4333	,7600	,678	-1,258	4,124
	K(-) Formula	14,1000	,7600	,000	11,409	16,791
	K(+) Formula	-6,5667	,7600	,000	-9,258	-3,876
	Formula 1%	2,0333	,7600	,248	-,658	4,724
	Formula 10%	1,3000	,7600	,778	-1,391	3,991
Formula 10%	K(-) Ekstrak	16,1333	,7600	,000	13,442	18,824
	K(+) Ekstrak	-31,5333	,7600	,000	-34,224	-28,842
	Ekstrak 1%	-,8667	,7600	,974	-3,558	1,824
	Ekstrak 5%	-2,8667	,7600	,031	-5,558	-,176
	Ekstrak 10%	,1333	,7600	1,000	-2,558	2,824
	K(-) Formula	12,8000	,7600	,000	10,109	15,491
	K(+) Formula	-7,8667	,7600	,000	-10,558	-5,176
	Formula 1%	,7333	,7600	,991	-1,958	3,424
	Formula 5%	-1,3000	,7600	,778	-3,991	1,391

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

### Aktivitas Antibakteri

Tukey HSD<sup>a</sup>

Kelompok Pengujian	N	Subset for alpha = 0.05					
		1	2	3	4	5	6
K(-) Ekstrak	3	,000					
K(-) Formula	3		3,333				
Formula 1%	3			15,400			
Ekstrak 10%	3			16,000			
Formula 10%	3			16,133			
Ekstrak 1%	3			17,000	17,000		
Formula 5%	3			17,433	17,433		
Ekstrak 5%	3				19,000		
K(+) Formula	3					24,000	
K(+) Ekstrak	3						47,667
Sig.		1,000	1,000	,248	,266	1,000	1,000

Means for groups in homogeneous subsets are displayed.

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