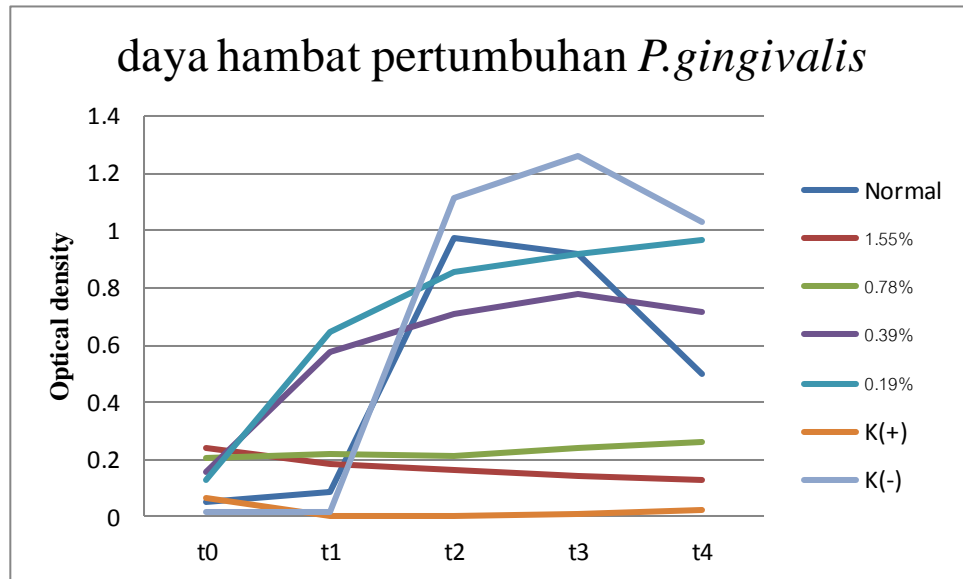


## LAMPIRAN

Lampiran 1. grafik daya hambat pertumbuhan *P.gingivalis*



Lampiran 2. Tabel uji statistik

### Case Processing Summary

kelompok		Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
OD	normal	5	100.0%	0	.0%	5	100.0%
	1.55%	5	100.0%	0	.0%	5	100.0%
	0.78%	5	100.0%	0	.0%	5	100.0%
	0.39%	5	100.0%	0	.0%	5	100.0%
	0.19%	5	100.0%	0	.0%	5	100.0%
	K(+)	5	100.0%	0	.0%	5	100.0%

**Case Processing Summary**

kelompok		Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
OD	normal	5	100.0%	0	.0%	5	100.0%
	1.55%	5	100.0%	0	.0%	5	100.0%
	0.78%	5	100.0%	0	.0%	5	100.0%
	0.39%	5	100.0%	0	.0%	5	100.0%
	0.19%	5	100.0%	0	.0%	5	100.0%
	K(+)	5	100.0%	0	.0%	5	100.0%
	K(-)	5	100.0%	0	.0%	5	100.0%

**Descriptives**

kelompok			Statistic	Std. Error
OD	normal	Mean	.5048	.19624
		95% Confidence Interval for Mean		
		Lower Bound	-.0401	
		Upper Bound	1.0497	
		5% Trimmed Mean	.5041	
		Median	.4970	
		Variance	.193	

	Std. Deviation		.43881	
	Minimum		.05	
	Maximum		.97	
	Range		.92	
	Interquartile Range		.88	
	Skewness		.027	.913
	Kurtosis		-2.951	2.000
1.55%	Mean		.1720	.01900
	95% Confidence Interval for Mean	Lower Bound	.1192	
		Upper Bound	.2248	
	5% Trimmed Mean		.1707	
	Median		.1640	
	Variance		.002	
	Std. Deviation		.04249	
	Minimum		.13	
	Maximum		.24	
	Range		.11	
	Interquartile Range		.07	
	Skewness		1.020	.913
	Kurtosis		.835	2.000
0.78%	Mean		.2269	.01030

	95% Confidence Interval for Mean	Lower Bound	.1983	
		Upper Bound	.2555	
	5% Trimmed Mean		.2264	
	Median		.2170	
	Variance		.001	
	Std. Deviation		.02303	
	Minimum		.20	
	Maximum		.26	
	Range		.06	
	Interquartile Range		.04	
	Skewness		.700	.913
	Kurtosis		-1.534	2.000
0.39%	Mean		.5882	.11319
	95% Confidence Interval for Mean	Lower Bound	.2739	
		Upper Bound	.9025	
	5% Trimmed Mean		.6016	
	Median		.7100	
	Variance		.064	
	Std. Deviation		.25310	
	Minimum		.16	

	Maximum		.78	
	Range		.62	
	Interquartile Range		.38	
	Skew ness		-1.805	.913
	Kurtosis		3.293	2.000
0.19%	Mean		.7024	.15371
	95% Confidence Interval for Mean	Low er Bound	.2756	
		Upper Bound	1.1292	
	5% Trimmed Mean		.7196	
	Median		.8520	
	Variance		.118	
	Std. Deviation		.34370	
	Minimum		.13	
	Maximum		.97	
	Range		.84	
	Interquartile Range		.56	
	Skew ness		-1.617	.913
	Kurtosis		2.436	2.000
K(+)	Mean		.0202	.01173
	95% Confidence Interval for Mean	Low er Bound	-.0124	
		Upper Bound	.0528	

	5% Trimmed Mean		.0187	
	Median		.0080	
	Variance		.001	
	Std. Deviation		.02623	
	Minimum		.00	
	Maximum		.06	
	Range		.06	
	Interquartile Range		.04	
	Skewness		1.796	.913
	Kurtosis		3.161	2.000
K(-)	Mean		.6868	.27552
	95% Confidence Interval for Mean	Lower Bound	-.0782	
		Upper Bound	1.4518	
	5% Trimmed Mean		.6923	
	Median		1.0290	
	Variance		.380	
	Std. Deviation		.61608	
	Minimum		.02	
	Maximum		1.26	
	Range		1.24	

Interquartile Range	1.17	
Skewness	-.526	.913
Kurtosis	-3.200	2.000

### Tests of Normality

kelompok	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
OD normal	.231	5	.200	.856	5	.215
1.55%	.180	5	.200	.939	5	.658
0.78%	.267	5	.200	.910	5	.469
0.39%	.285	5	.200	.787	5	.064
0.19%	.268	5	.200	.824	5	.125
K(+)	.279	5	.200	.776	5	.051
K(-)	.311	5	.129	.781	5	.057

a. Lilliefors Significance Correction

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

### Test of Homogeneity of Variance

	Levene Statistic	df 1	df 2	Sig.
OD Based on Mean	11.952	6	28	.000
Based on Median	1.629	6	28	.176
Based on Median and with adjusted df	1.629	6	8.827	.247

**Test of Homogeneity of Variance**

		Levene Statistic	df 1	df 2	Sig.
OD	Based on Mean	11.952	6	28	.000
	Based on Median	1.629	6	28	.176
	Based on Median and with adjusted df	1.629	6	8.827	.247
	Based on trimmed mean	10.669	6	28	.000

**Oneway**

**Descriptives**

OD								
	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
normal	5	.5048	.43881	.19624	-.0401	1.0497	.05	.97
1.55%	5	.1720	.04249	.01900	.1192	.2248	.13	.24
0.78%	5	.2269	.02303	.01030	.1983	.2555	.20	.26
0.39%	5	.5882	.25310	.11319	.2739	.9025	.16	.78
0.19%	5	.7024	.34370	.15371	.2756	1.1292	.13	.97
K(+)	5	.0202	.02623	.01173	-.0124	.0528	.00	.06
K(-)	5	.6868	.61608	.27552	-.0782	1.4518	.02	1.26
Total	35	.4145	.39308	.06644	.2794	.5495	.00	1.26



### Test of Homogeneity of Variances

OD

Levene Statistic	df1	df2	Sig.
10.993	6	28	.000

### ANOVA

OD

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2.224	6	.371	3.426	.012
Within Groups	3.029	28	.108		
Total	5.253	34			

### Post Hoc Tests

#### Multiple Comparisons

OD

LSD

(I) kelompok (J)	Mean	Std. Error	Sig.	95% Confidence Interval
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kelompok		Difference (I-J)			Lower Bound	Upper Bound
normal	1.55%	.33280	.20803	.121	-.0933	.7589
	0.78%	.27788	.20803	.192	-.1482	.7040
	0.39%	-.08340	.20803	.692	-.5095	.3427
	0.19%	-.19760	.20803	.350	-.6237	.2285
	K(+)	.48460	.20803	.027	.0585	.9107
	K(-)	-.18200	.20803	.389	-.6081	.2441
1.55%	normal	-.33280	.20803	.121	-.7589	.0933
	0.78%	-.05492	.20803	.794	-.4810	.3712
	0.39%	-.41620	.20803	.055	-.8423	.0099
	0.19%	-.53040	.20803	.017	-.9565	-.1043
	K(+)	.15180	.20803	.472	-.2743	.5779
	K(-)	-.51480	.20803	.020	-.9409	-.0887
0.78%	normal	-.27788	.20803	.192	-.7040	.1482
	1.55%	.05492	.20803	.794	-.3712	.4810
	0.39%	-.36128	.20803	.093	-.7874	.0648
	0.19%	-.47548	.20803	.030	-.9016	-.0494
	K(+)	.20672	.20803	.329	-.2194	.6328
	K(-)	-.45988	.20803	.035	-.8860	-.0338
0.39%	normal	.08340	.20803	.692	-.3427	.5095
	1.55%	.41620	.20803	.055	-.0099	.8423
	0.78%	.36128	.20803	.093	-.0648	.7874
	0.19%	-.11420	.20803	.587	-.5403	.3119

	K(+)	.56800	.20803	.011	.1419	.9941
	K(-)	-.09860	.20803	.639	-.5247	.3275
0.19%	normal	.19760	.20803	.350	-.2285	.6237
	1.55%	.53040	.20803	.017	.1043	.9565
	0.78%	.47548	.20803	.030	.0494	.9016
	0.39%	.11420	.20803	.587	-.3119	.5403
	K(+)	.68220	.20803	.003	.2561	1.1083
	K(-)	.01560	.20803	.941	-.4105	.4417
K(+)	normal	-.48460	.20803	.027	-.9107	-.0585
	1.55%	-.15180	.20803	.472	-.5779	.2743
	0.78%	-.20672	.20803	.329	-.6328	.2194
	0.39%	-.56800	.20803	.011	-.9941	-.1419
	0.19%	-.68220	.20803	.003	-1.1083	-.2561
	K(-)	-.66660	.20803	.003	-1.0927	-.2405
K(-)	normal	.18200	.20803	.389	-.2441	.6081
	1.55%	.51480	.20803	.020	.0887	.9409
	0.78%	.45988	.20803	.035	.0338	.8860
	0.39%	.09860	.20803	.639	-.3275	.5247
	0.19%	-.01560	.20803	.941	-.4417	.4105
	K(+)	.66660	.20803	.003	.2405	1.0927

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

Lampiran 3. Alat penelitian



anaerobic jar



Lampu spiritus dan tabung reaksi



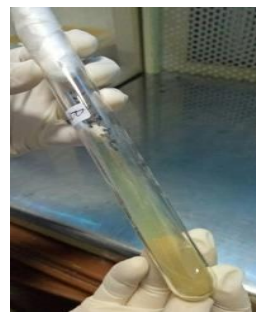
Magnetic stirrer



Ekstrak Gulma siam



Spektrofotometer



Bakteri *P.gingivalis* ATCC33277

#### Lampiran 4. Proses Penelitian



Persiapan bakteri dari BLK



Membuat suspensi



Fakultas Kedokteran dan Ilmu Kesehatan  
Universitas Muhammadiyah Yogyakarta

Nomor : 610/EP-FKIK-UMY/XI/2017

#### **KETERANGAN LOLOS UJI ETIK** **ETHICAL APPROVAL**

Komite Etik Penelitian Fakultas Kedokteran dan Ilmu Kesehatan Universitas Muhammadiyah Yogyakarta dalam upaya melindungi hak asasi dan kesejahteraan responden/subyek penelitian, telah mengkaji dengan teliti protokol berjudul :

*The Ethics Committee of the Faculty of Medicine and Health Sciences, University of Muhammadiyah Yogyakarta, with regards of the protection of human rights and welfare in research, has carefully reviewed the research protocol entitled :*

**"Dava Antibakteri Ekstrak Etanol Daun Gulma Siam (*Eupatorium odoratum* L.)**

