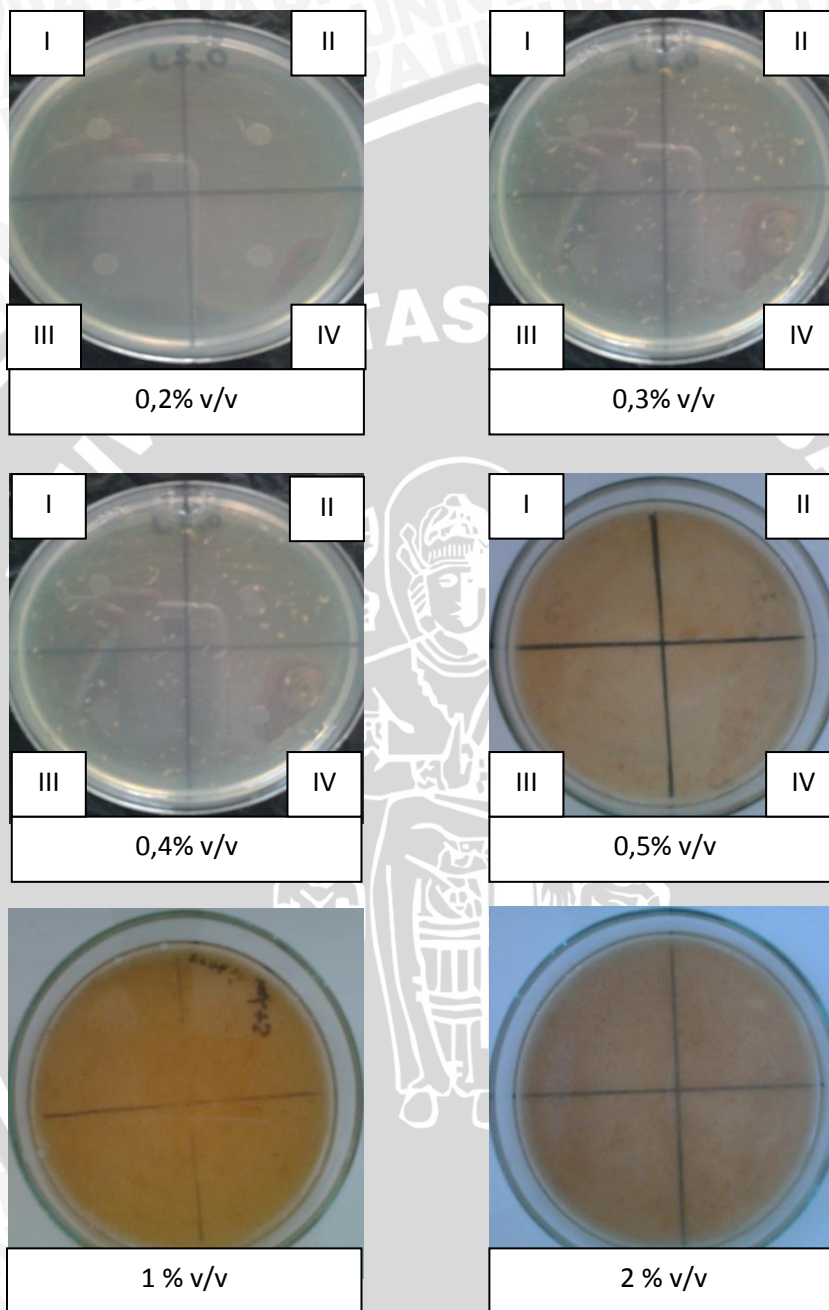


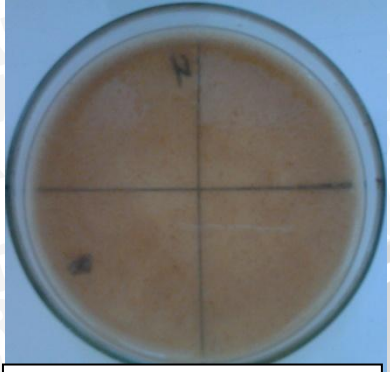
## LAMPIRAN

**Lampiran 1** Hasil Eksplorasi Dosis Ekstrak Daun Juwet Terhadap Pertumbuhan Bakteri *Shigella dysenteriae* pada NAP

Konsentrasi	Hasil Pengamatan
0%	Tumbuh
0,2%	Tumbuh
0,3%	Tumbuh
0,4%	Tumbuh
0,5 %	Tidak Tumbuh
1%	Tidak Tumbuh
2%	Tidak Tumbuh
3%	Tidak Tumbuh
4%	Tidak Tumbuh

### Lampiran 2. Hasil Eksplorasi Dosis

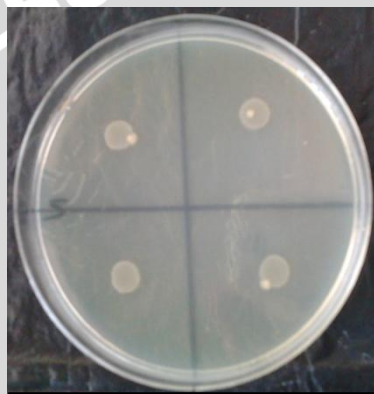




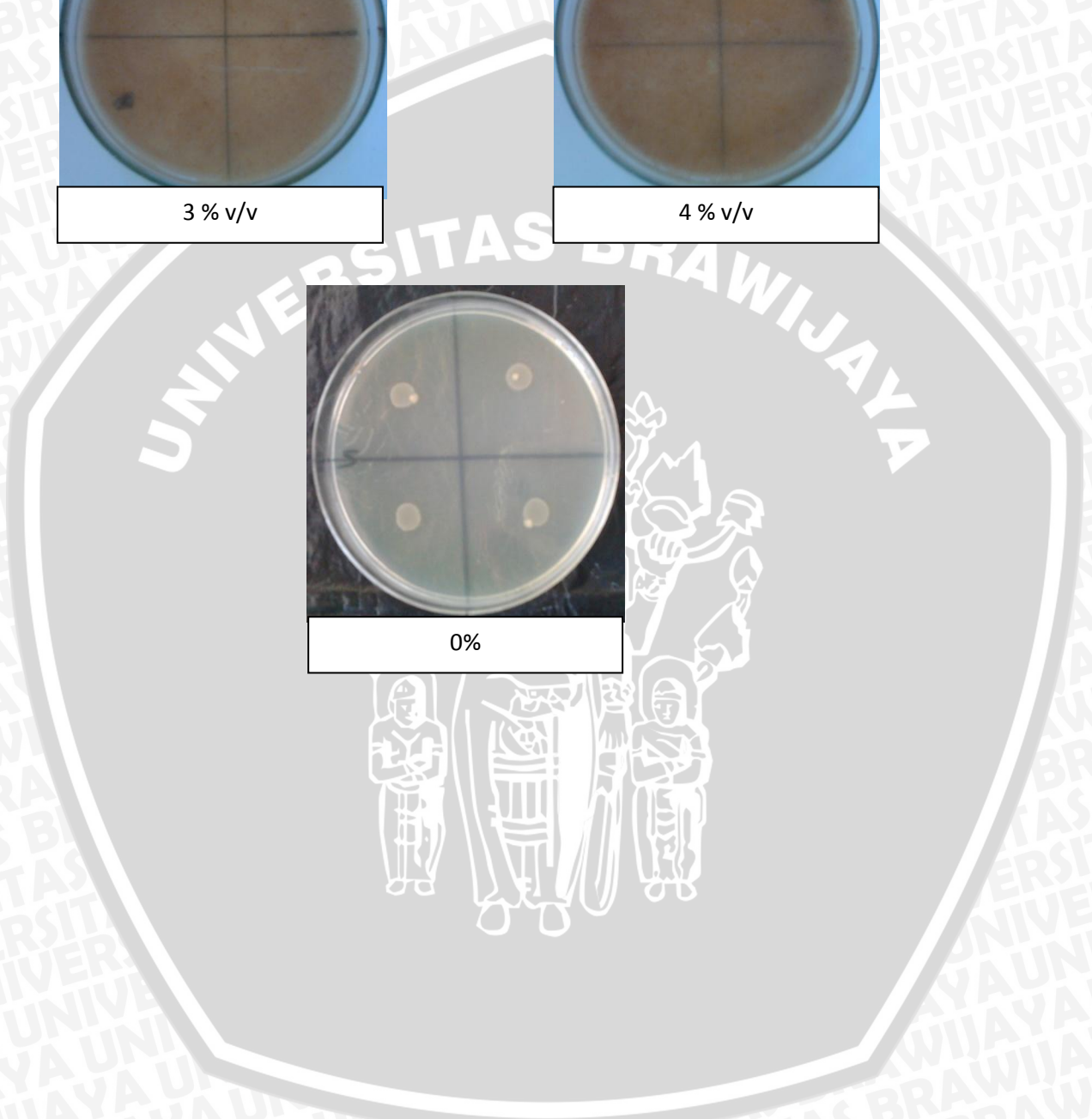
3 % v/v



4 % v/v



0%



Lampiran 3. Hasil Perhitungan Skor Pertumbuhan Bakteri *Shigella dysenteriae* pada NAP

Konsentrasi Ekstrak	Pengulangan				Skor Rata-rata
	I	II	III	IV	
0 %	+5	+5	+5	+5	5
0,2 %	+4	+4	+3	+3	3,5
0,3%	+2	+2	+1	+2	1,75
0,4%	+2	+2	+1	+1	1,5
0,5 %	0	0	0	0	0
1%	0	0	0	0	0
2%	0	0	0	0	0
3%	0	0	0	0	0
4%	0	0	0	0	0

Lampiran 4. Sertifikat Bakteri Uji *Shigelladysentriae*



PEMERINTAH DAERAH DAERAH ISTIMEWA YOGYAKARTA  
DINAS KESEHATAN  
BALAI LABORATORIUM KESEHATAN YOGYAKARTA  
Ngadinengan MJ.III/62 Yogyakarta Telp. 378187 Fax 381582

SERTIFIKAT HASIL UJI

Pengujian Mikrobiologi

- 1. Contoh Uji : Stock Strain Balai Laboratorium Kesehatan Yogyakarta
- 2. Asal Contoh uji : EQAM BELGIA
- 3. Penguji : Evina Widi Astuti, S.ST.  
Staf Balai Laboratorium Kesehatan Yogyakarta
- 5. Tanggal Pengujian : 20 s/d 25 Maret 2013
- 6. Permintaan : Fak. Kedokteran, Prodi Farmasi, Univ. Brawijaya, Malang.

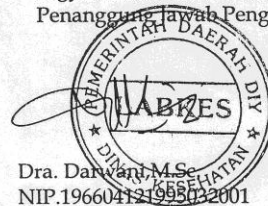
Uraian : *Shigella dysentriae*

NO	PARAMETER	SATUAN	HASIL UJI	METODE UJI
1	<i>Shigella dysentriae</i>	Tabung	Uji isolasi dan Identifikasi sesuai dengan karakteristik strain <i>Shigella dysentriae</i> .	Biakan Identifikasi

Catatan :

- 1. Hasil uji ini hanya berlaku untuk contoh yang diuji

Yogyakarta, 26 Maret 2013  
Penanggung Jawab Pengujian



Dra. Darwan, M.Sc  
NIP.19660412195072001



**Lampiran5. Analisis Data Statistik**  
**Kruskal-Wallis Test**

**Ranks**

	Perlakuan	N	Mean Rank
Derajat pertumbuhan	K 0%	4	18,50
	K 0,2%	4	14,50
	K 0,3%	4	9,00
	K 0,4%	4	8,00
	K 0,5%	4	2,50
	Total	20	

**Test Statistics<sup>a,b</sup>**

	Derajat pertumbuhan
Chi-Square	18,053
Df	4
Asymp. Sig.	,001

a. Kruskal Wallis Test

b. Grouping Variable: Perlakuan

**Mann-Whitney Test**

**Ranks**

	Perlakuan	N	Mean Rank	Sum of Ranks
Derajat pertumbuhan	K 0%	4	6,50	26,00
	K 0,2%	4	2,50	10,00
	Total	8		



**Test Statistics<sup>a</sup>**

	Derajat pertumbuhan
Mann-Whitney U	,000
Wilcoxon W	10,000
Z	-2,494
Asymp. Sig. (2-tailed)	,013
Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>b</sup>

a. Grouping Variable: Perlakuan

b. Not corrected for ties.

**Mann-Whitney Test**

**Ranks**

	Perlakuan	N	Mean Rank	Sum of Ranks
	K 0%	4	6,50	26,00
Derajat pertumbuhan	K 0,3%	4	2,50	10,00
	Total	8		

**Test Statistics<sup>a</sup>**

	Derajat pertumbuhan
Mann-Whitney U	,000
Wilcoxon W	10,000
Z	-2,530
Asymp. Sig. (2-tailed)	,011
Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>b</sup>

a. Grouping Variable: Perlakuan

b. Not corrected for ties.



### Mann-Whitney Test

#### Ranks

	Perlakuan	N	Mean Rank	Sum of Ranks
Derajat pertumbuhan	K 0%	4	6,50	26,00
	K 0,4%	4	2,50	10,00
	Total	8		

#### Test Statistics<sup>a</sup>

	Derajat pertumbuhan
Mann-Whitney U	,000
Wilcoxon W	10,000
Z	-2,494
Asymp. Sig. (2-tailed)	,013
Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>b</sup>

a. Grouping Variable: Perlakuan

b. Not corrected for ties.

### Mann-Whitney Test

#### Ranks

	Perlakuan	N	Mean Rank	Sum of Ranks
Derajat pertumbuhan	K 0%	4	6,50	26,00
	K 0,5%	4	2,50	10,00
	Total	8		



**Test Statistics<sup>a</sup>**

	Derajat pertumbuhan
Mann-Whitney U	,000
Wilcoxon W	10,000
Z	-2,646
Asymp. Sig. (2-tailed)	,008
Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>b</sup>

a. Grouping Variable: Perlakuan

b. Not corrected for ties.

**Mann-Whitney Test**

**Ranks**

	Perlakuan	N	Mean Rank	Sum of Ranks
	K 0,2%	4	6,50	26,00
Derajat pertumbuhan	K 0,3%	4	2,50	10,00
	Total	8		

**Test Statistics<sup>a</sup>**

	Derajat pertumbuhan
Mann-Whitney U	,000
Wilcoxon W	10,000
Z	-2,397
Asymp. Sig. (2-tailed)	,017
Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>b</sup>

a. Grouping Variable: Perlakuan

b. Not corrected for ties.



### Mann-Whitney Test

#### Ranks

	Perlakuan	N	Mean Rank	Sum of Ranks
Derajat pertumbuhan	K 0,2%	4	6,50	26,00
	K 0,4%	4	2,50	10,00
	Total	8		

#### Test Statistics<sup>a</sup>

	Derajat pertumbuhan
Mann-Whitney U	,000
Wilcoxon W	10,000
Z	-2,366
Asymp. Sig. (2-tailed)	,018
Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>b</sup>

a. Grouping Variable: Perlakuan

b. Not corrected for ties.

### Mann-Whitney Test

#### Ranks

	Perlakuan	N	Mean Rank	Sum of Ranks
Derajat pertumbuhan	K 0,2%	4	6,50	26,00
	K 0,5%	4	2,50	10,00
	Total	8		

**Test Statistics<sup>a</sup>**

	Derajat pertumbuhan
Mann-Whitney U	,000
Wilcoxon W	10,000
Z	-2,494
Asymp. Sig. (2-tailed)	,013
Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>b</sup>

a. Grouping Variable: Perlakuan

b. Not corrected for ties.

**Mann-Whitney Test**

**Ranks**

	Perlakuan	N	Mean Rank	Sum of Ranks
	K 0,3%	4	5,00	20,00
Derajat pertumbuhan	K 0,4%	4	4,00	16,00
	Total	8		

**Test Statistics<sup>a</sup>**

	Derajat pertumbuhan
Mann-Whitney U	6,000
Wilcoxon W	16,000
Z	-,683
Asymp. Sig. (2-tailed)	,495
Exact Sig. [2*(1-tailed Sig.)]	,686 <sup>b</sup>

a. Grouping Variable: Perlakuan

b. Not corrected for ties.



### Mann-Whitney Test

Ranks

	Perlakuan	N	Mean Rank	Sum of Ranks
	K 0,3%	4	6,50	26,00
Derajat pertumbuhan	K 0,5%	4	2,50	10,00
	Total	8		

Test Statistics<sup>a</sup>

	Derajat pertumbuhan
Mann-Whitney U	,000
Wilcoxon W	10,000
Z	-2,530
Asymp. Sig. (2-tailed)	,011
Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>b</sup>

a. Grouping Variable: Perlakuan

b. Not corrected for ties.

### Mann-Whitney Test

Ranks

	Perlakuan	N	Mean Rank	Sum of Ranks
	K 0,4%	4	6,50	26,00
Derajat pertumbuhan	K 0,5%	4	2,50	10,00
	Total	8		

**Test Statistics<sup>a</sup>**

	Derajat pertumbuhan
Mann-Whitney U	,000
Wilcoxon W	10,000
Z	-2,494
Asymp. Sig. (2-tailed)	,013
Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>b</sup>

a. Grouping Variable: Perlakuan

b. Not corrected for ties.

**Nonparametric Correlations**

**Correlations**

		Konsentrasi	Derajat pertumbuhan
Spearman's rho	Correlation Coefficient	1,000	-,961**
	Konsentrasi Sig. (2-tailed)	.	,000
	N	20	20
	Correlation Coefficient	-,961**	1,000
	Derajat pertumbuhan Sig. (2-tailed)	,000	.
	N	20	20

\*\* . Correlation is significant at the 0.01 level (2-tailed).



### Lampiran 6. Gambar Penelitian

#### Proses Ekstraksi dan Hasil Screening Uji Fitokimia



#### Proses Pengerjaan Bakteri dan Uji Dilusi Agar

