

**LAMPIRAN****Lampiran 1****PERNYATAAN KEASLIAN TULISAN**

Saya yang bertanda tangan di bawah ini :

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menyatakan dengan sebenarnya bahwa Skripsi yang saya tulis ini benar-benar hasil karya saya sendiri, bukan merupakan pengambilalihan tulisan atau pikiran orang lain yang saya akui sebagai tulisan atau pikiran saya sendiri. Apabila dikemudian hari dapat dibuktikan bahwa Skripsi ini adalah hasil jiplakan, maka saya menerima sanksi atas perbuatan tersebut.

Malang, 12 Desember 2016



(Diah Paramitha Wahyuningtyas)

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Lampiran 2

Alat dan Bahan Penelitian

1. Alat- alat penelitian

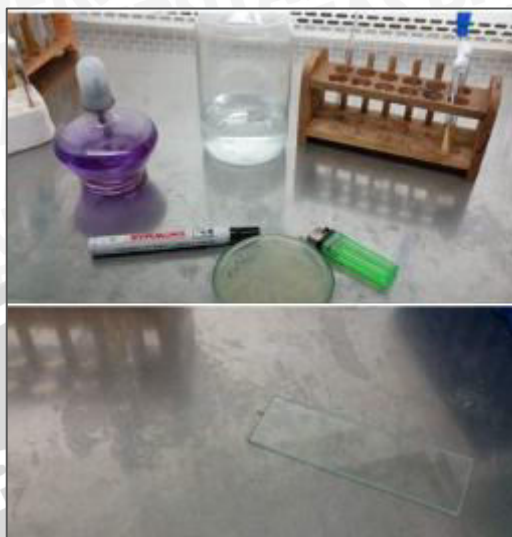


Gambar 1. Alat Pembuatan Kitosan



Gambar 2. Alat Persiapan Uji





Gambar 3. Alat Persiapan Uji

2. Bahan penelitian



Gambar 4. Bahan Pewarnaan Gram



Gambar 5. Bakteri Aa. dan Reagen *Microbact*<sup>TM</sup>

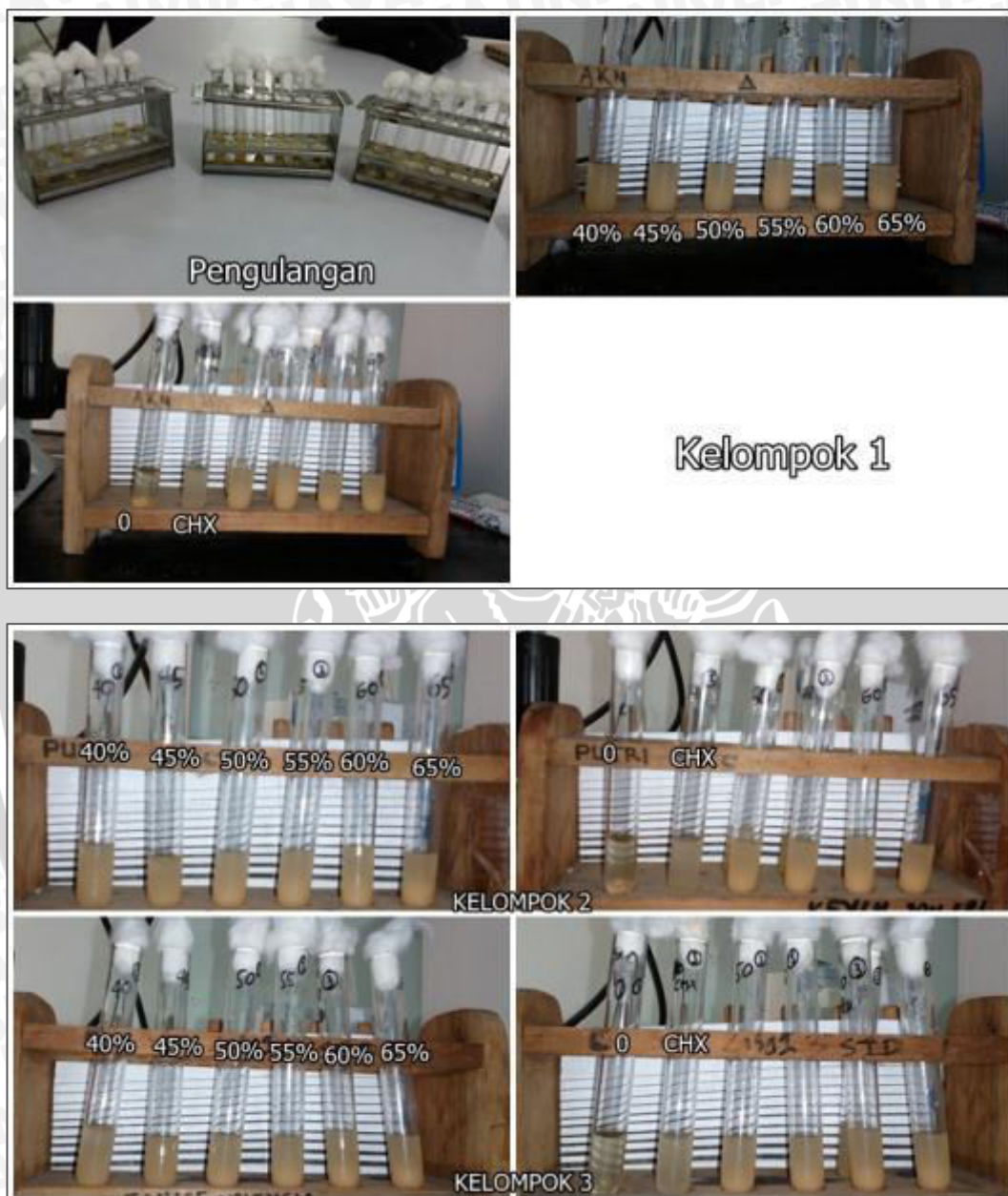


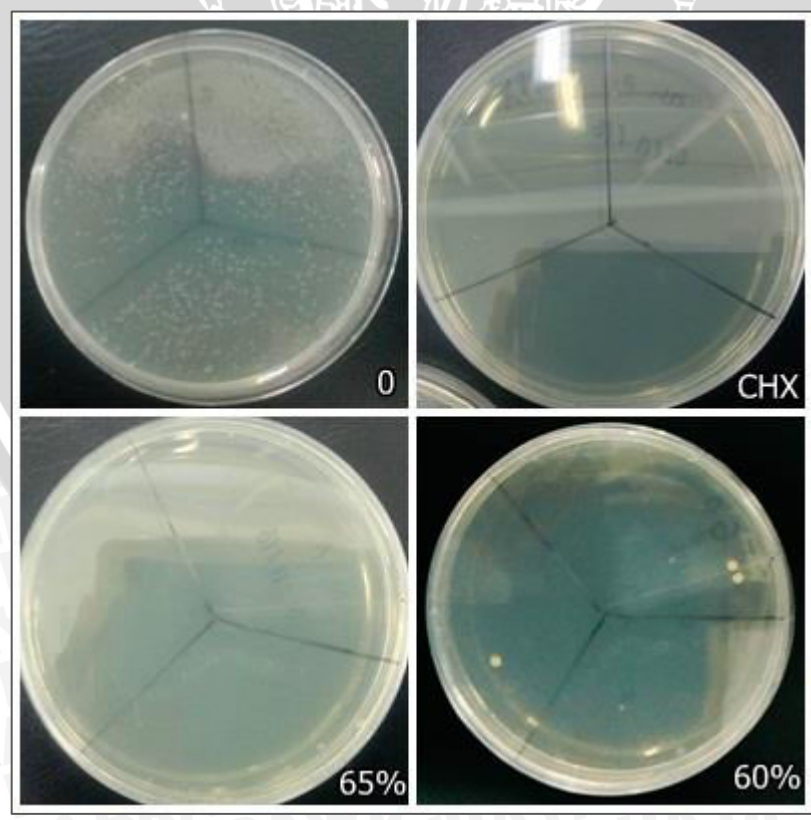
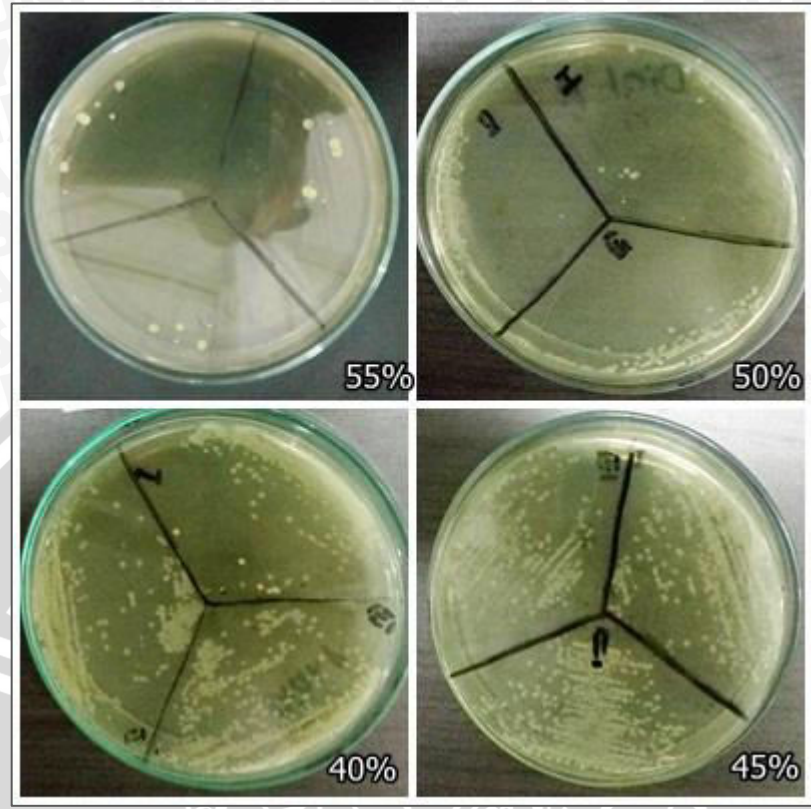
Gambar 6. Bahan Uji Katalase, Uji Oksidase, *Microbact*<sup>TM</sup>, Uji Hemolisis



Lampiran 3

Hasil Pengulangan Kitosan Hasil Deasetilasi Kulit Udang







Lampiran 4

Hasil Analisis Data

Uji Normalitas

Tests of Normality

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
JK Bakteri	.148	24	.188	.960	24	.439

a. Lilliefors Significance Correction

Oneway

Descriptives

JK Bakteri

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					0%	3		
40%	3	122.00	2.646	1.528	115.43	128.57	120	125
45%	3	87.00	7.810	4.509	67.60	106.40	82	96
50%	3	33.67	16.289	9.404	-6.80	74.13	15	45
55%	3	5.67	1.155	.667	2.80	8.54	5	7
60%	3	1.00	1.000	.577	-1.48	3.48	0	2
65%	3	.00	.000	.000	.00	.00	0	0
K Obat	3	.00	.000	.000	.00	.00	0	0
Total	24	60.38	81.539	16.644	25.94	94.81	0	290

Test of Homogeneity of Variances

JK Bakteri

Levene Statistic	df 1	df 2	Sig.
1.738	7	16	.170

ANOVA

JK Bakteri

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	147175.6	7	21025.089	58.566	.000
Within Groups	5744.000	16	359.000		
Total	152919.6	23			



## Post Hoc Tests

## Multiple Comparisons

Dependent Variable: JK Bakteri

Tukey HSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0%	40%	111.67*	15.470	.000	58.11	165.23
	45%	146.67*	15.470	.000	93.11	200.23
	50%	200.00*	15.470	.000	146.44	253.56
	55%	228.00*	15.470	.000	174.44	281.56
	60%	232.67*	15.470	.000	179.11	286.23
	65%	233.67*	15.470	.000	180.11	287.23
	K Obat	233.67*	15.470	.000	180.11	287.23
40%	0%	-111.67*	15.470	.000	-165.23	-58.11
	45%	35.00	15.470	.369	-18.56	88.56
	50%	88.33*	15.470	.001	34.77	141.89
	55%	116.33*	15.470	.000	62.77	169.89
	60%	121.00*	15.470	.000	67.44	174.56
	65%	122.00*	15.470	.000	68.44	175.56
	K Obat	122.00*	15.470	.000	68.44	175.56
45%	0%	-146.67*	15.470	.000	-200.23	-93.11
	40%	-35.00	15.470	.369	-88.56	18.56
	50%	53.33	15.470	.051	-.23	106.89
	55%	81.33*	15.470	.002	27.77	134.89
	60%	86.00*	15.470	.001	32.44	139.56
	65%	87.00*	15.470	.001	33.44	140.56
	K Obat	87.00*	15.470	.001	33.44	140.56
50%	0%	-200.00*	15.470	.000	-253.56	-146.44
	40%	-88.33*	15.470	.001	-141.89	-34.77
	45%	-53.33	15.470	.051	-106.89	.23
	55%	28.00	15.470	.623	-25.56	81.56
	60%	32.67	15.470	.448	-20.89	86.23
	65%	33.67	15.470	.413	-19.89	87.23
	K Obat	33.67	15.470	.413	-19.89	87.23
55%	0%	-228.00*	15.470	.000	-281.56	-174.44
	40%	-116.33*	15.470	.000	-169.89	-62.77
	45%	-81.33*	15.470	.002	-134.89	-27.77
	50%	-28.00	15.470	.623	-81.56	25.56
	60%	4.67	15.470	1.000	-48.89	58.23
	65%	5.67	15.470	1.000	-47.89	59.23
	K Obat	5.67	15.470	1.000	-47.89	59.23
60%	0%	-232.67*	15.470	.000	-286.23	-179.11
	40%	-121.00*	15.470	.000	-174.56	-67.44
	45%	-86.00*	15.470	.001	-139.56	-32.44
	50%	-32.67	15.470	.448	-86.23	20.89
	55%	-4.67	15.470	1.000	-58.23	48.89
	65%	1.00	15.470	1.000	-52.56	54.56
	K Obat	1.00	15.470	1.000	-52.56	54.56
65%	0%	-233.67*	15.470	.000	-287.23	-180.11
	40%	-122.00*	15.470	.000	-175.56	-68.44
	45%	-87.00*	15.470	.001	-140.56	-33.44
	50%	-33.67	15.470	.413	-87.23	19.89
	55%	-5.67	15.470	1.000	-59.23	47.89
	60%	-1.00	15.470	1.000	-54.56	52.56
	K Obat	.00	15.470	1.000	-53.56	53.56
K Obat	0%	-233.67*	15.470	.000	-287.23	-180.11
	40%	-122.00*	15.470	.000	-175.56	-68.44
	45%	-87.00*	15.470	.001	-140.56	-33.44
	50%	-33.67	15.470	.413	-87.23	19.89
	55%	-5.67	15.470	1.000	-59.23	47.89
	60%	-1.00	15.470	1.000	-54.56	52.56
	65%	.00	15.470	1.000	-53.56	53.56

\*. The mean difference is significant at the .05 level.



### Homogeneous Subsets

#### JK Bakteri

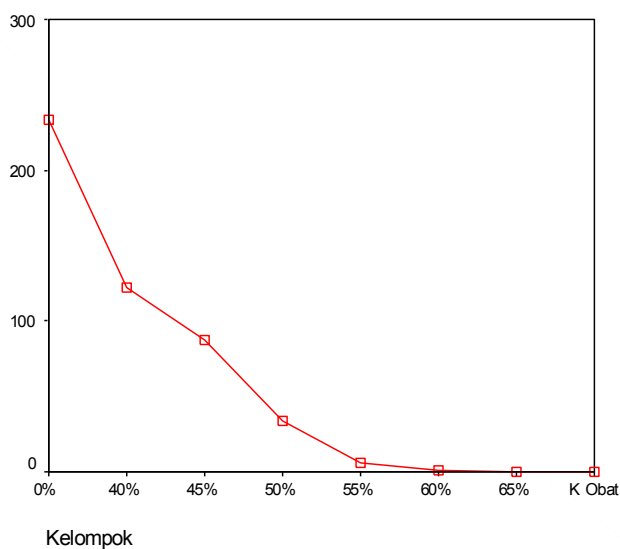
Tukey HSD<sup>3</sup>

Kelompok	N	Subset for alpha = .05			
		1	2	3	4
65%	3	.00			
K Obat	3	.00			
60%	3	1.00			
55%	3	5.67			
50%	3	33.67	33.67		
45%	3		87.00	87.00	
40%	3			122.00	
0%	3				233.67
Sig.		.413	.051	.369	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

### Means Plots



### Correlations

#### Correlations

		Konsentrasi	JK Bakteri
Konsentrasi	Pearson Correlation	1	-.951**
	Sig. (2-tailed)	.	.000
	N	21	21
JK Bakteri	Pearson Correlation	-.951**	1
	Sig. (2-tailed)	.000	.
	N	21	21

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

**Regression**

**Model Summary**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.951 <sup>a</sup>	.904	.899	26.632

a. Predictors: (Constant), Konsentrasi

**ANOVA<sup>b</sup>**

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	126946.3	1	126946.312	178.988	.000 <sup>a</sup>
	Residual	13475.688	19	709.247		
	Total	140422.0	20			

a. Predictors: (Constant), Konsentrasi

b. Dependent Variable: JK Bakteri

**Coefficients<sup>c</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	243.938	14.309		17.048	.000
	Konsentrasi	-3.887	.291	-.951	-13.379	.000

a. Dependent Variable: JK Bakteri

**Interactive Graph**





