

## LAMPIRAN I: DAFTAR SINGKATAN

<b>P1</b>	Kelompok perlakuan 1
<b>P2</b>	Kelompok perlakuan 2
<b>P3</b>	Kelompok perlakuan 3
<b>PMN</b>	Polimorfonuklear
<b>m.</b>	musculus
<b>cm</b>	centimeter
<b>PTFE</b>	Polytetrafluoroethylene
<b>E.coli</b>	Escherichia coli
<b>BMI</b>	Body Mass Index
<b>PEM</b>	Protein Energy Malnutrition
<b>IFN-<math>\gamma</math></b>	interferon
<b>NK</b>	Natural Killer
<b>TNF</b>	Tumor Necrosis Factor
<b>IL-1</b>	Interleukin 1
<b>Ig</b>	Imunoglobulin
<b>DM</b>	Diabetes Mellitus
<b>SSI</b>	Surgical Site Infection
<b>FMIPA</b>	Fakultas Matematika dan Ilmu Pengetahuan Alam
<b>WHO</b>	World Health Organization
<b>FK</b>	Fakultas Kedokteran
<b>UNDIP</b>	Universitas Diponegoro
<b>ATCC</b>	American Type Culture Collection

<b>NJ</b>	New Jersey
<b>US</b>	United States
<b>°C</b>	Derajat Celcius
<b>NaCl</b>	Natrium Chlorida
<b>mg</b>	milligram
<b>SPSS</b>	Statistical Package for the Social Sciences
<b>ver.</b>	version

## LAMPIRAN II: TABEL HASIL PENELITIAN

No.	Kode	Kelompok	Derajat Infeksi		Hitung Kuman	
			Peneliti I	Peneliti II	Peneliti I	Peneliti II
1	P2-1-3N1	2	0	0	79000	79000
2	P2-2-5N3	2	0	0	112000	112000
3	P1-1-14D6	1	0	1	30000	30000
4	P2-3-7N4	2	0	0	30000	30000
5	P1-2-8D4	1	0	0	30000	30000
6	P1-3-9D5	1	0	0	9900	9900
7	P2-4-29N10	2	1	1	127000	127000
8	P3-1-11T1	3	0	0	36000	43000
9	P3-2-12T2	3	0	0	193000	193000
10	P3-3-38T13	3	0	0	97000	97000
11	P1-4-6D3	1	0	0	3000	3000
12	P1-5-15D7	1	0	0	47000	47000
13	P3-4-42T16	3	4	4	300000	300000
14	P1-6-19D8	1	0	0	63000	63000
15	P2-5-20N6	2	0	0	85000	85000
16	P3-5-21T7	3	0	0	53000	53000
17	P1-7-22D9	1	1	1	253000	253000
18	P3-6-41T15	3	1	1	259000	259000
19	P2-6-26N7	2	0	0	2000	2000
20	P2-7-28N9	2	0	0	3600	3600
21	P2-8-10N5	2	0	0	3500	3500
22	P3-7-24T9	3	0	0	217000	217000
23	P1-8-32D10	1	0	0	5000	5000
24	P2-9-33N12	2	0	0	3200	3200
25	P1-9-34D11	1	0	0	10700	10700
26	P3-8-36T12	3	0	0	30000	30000
27	P3-9-13T3	3	1	1	156000	156000
28	P2-10-39N14	2	0	0	1670	1670
29	P3-10-18-T6	3	2	2	300000	300000
30	P1-10-45D14	1	0	0	1970	1970

**Clinical Agreement Pengamatan Derajat Infeksi**

Kelompok	Sampel	Peneliti		Hasil
		I	II	
<b>P1</b>	1	0	1	<b>Beda</b>
	2	0	0	Sama
	3	0	0	Sama
	4	0	0	Sama
	5	0	0	Sama
	6	0	0	Sama
	7	1	1	Sama
	8	0	0	Sama
	9	0	0	Sama
	10	0	0	Sama
<b>P2</b>	1	0	0	Sama
	2	0	0	Sama
	3	0	0	Sama
	4	1	1	Sama
	5	0	0	Sama
	6	0	0	Sama
	7	0	0	Sama
	8	0	0	Sama
	9	0	0	Sama
	10	0	0	Sama
<b>P3</b>	1	0	0	Sama
	2	0	0	Sama
	3	1	1	Sama
	4	4	4	Sama
	5	0	0	Sama
	6	1	1	Sama
	7	0	0	Sama
	8	0	0	Sama
	9	0	0	Sama
	10	2	2	Sama

*Clinical agreement* =  $100\% - (1/30 \times 100\%) = 100\% - 3,33\% = 96,67\%$

### **Clinical Agreement Jumlah Penghitungan Kuman**

Catatan : rumus jumlah penghitungan kuman yang digunakan<sup>59-61</sup>:  
 Jumlah kuman = jumlah koloni x pengenceran

Kelompok	Sampel	Peneliti		Hasil
		I	II	
<b>P1</b>	1	$3 \times 10^4$	$3 \times 10^4$	Sama
	2	$3 \times 10^4$	$3 \times 10^4$	Sama
	3	$9,9 \times 10^3$	$9,9 \times 10^3$	Sama
	4	$3 \times 10^4$	$3 \times 10^4$	Sama
	5	$4,7 \times 10^4$	$4,7 \times 10^4$	Sama
	6	$6,3 \times 10^4$	$6,3 \times 10^4$	Sama
	7	$2,5 \times 10^5$	$2,5 \times 10^5$	Sama
	8	$5 \times 10^3$	$5 \times 10^3$	Sama
	9	$1,1 \times 10^4$	$1,1 \times 10^4$	Sama
	10	$2 \times 10^3$	$2 \times 10^3$	Sama
<b>P2</b>	1	$7,9 \times 10^4$	$7,9 \times 10^4$	Sama
	2	$1,1 \times 10^5$	$1,1 \times 10^5$	Sama
	3	$3 \times 10^4$	$3 \times 10^4$	Sama
	4	$1,3 \times 10^5$	$1,3 \times 10^5$	Sama
	5	$8,5 \times 10^4$	$8,5 \times 10^4$	Sama
	6	$2 \times 10^3$	$2 \times 10^3$	Sama
	7	$3,6 \times 10^3$	$3,6 \times 10^3$	Sama
	8	$3,5 \times 10^3$	$3,5 \times 10^3$	Sama
	9	$3,2 \times 10^3$	$3,2 \times 10^3$	Sama
	10	$1,7 \times 10^3$	$1,7 \times 10^3$	Sama
<b>P3</b>	1	$3,6 \times 10^4$	$4,3 \times 10^4$	<b>Beda</b>
	2	$1,9 \times 10^5$	$1,9 \times 10^5$	Sama
	3	$9,7 \times 10^4$	$9,7 \times 10^4$	Sama
	4	$3 \times 10^5$	$3 \times 10^5$	Sama
	5	$5,3 \times 10^4$	$5,3 \times 10^4$	Sama
	6	$2,6 \times 10^5$	$2,6 \times 10^5$	Sama
	7	$2,2 \times 10^5$	$2,2 \times 10^5$	Sama
	8	$3 \times 10^4$	$3 \times 10^4$	Sama
	9	$1,6 \times 10^5$	$1,6 \times 10^5$	Sama
	10	$3 \times 10^5$	$3 \times 10^5$	Sama

$$\text{Clinical agreement} = 100\% - (1/30 \times 100\%) = 100\% - 3,33\% = 96,67\%$$

## LAMPIRAN III: UJI STATISTIK

### DERAJAT INFEKSI

#### Derajat Infeksi \* Kelompok Perlakuan Crosstabulation

			Derajat Infeksi				Total
			Infeksi derajat 0	infeksi derajat 1	infeksi derajat 2	infeksi derajat 4	
Kelompok Perlakuan	nylon darn	Count	9	1	0	0	10
		% within Kelompok Perlakuan	90.0%	10.0%	.0%	.0%	100.0%
		% of Total	30.0%	3.3%	.0%	.0%	33.3%
	mesh monofilamen	Count	9	1	0	0	10
		% within Kelompok Perlakuan	90.0%	10.0%	.0%	.0%	100.0%
		% of Total	30.0%	3.3%	.0%	.0%	33.3%
	mesh multifilamen	Count	6	2	1	1	10
		% within Kelompok Perlakuan	60.0%	20.0%	10.0%	10.0%	100.0%
		% of Total	20.0%	6.7%	3.3%	3.3%	33.3%
Total	Count	24	4	1	1	30	
	% within Kelompok Perlakuan	80.0%	13.3%	3.3%	3.3%	100.0%	
	% of Total	80.0%	13.3%	3.3%	3.3%	100.0%	

## Kruskal-Wallis Test

	Kelompok Perlakuan	N	Mean Rank
Derajat Infeksi	nylon darn	10	13.90
	mesh monofilamen	10	13.90
	mesh multifilamen	10	18.70
	Total	30	

	Derajat Infeksi
Chi-Square	4.077
Df	2
Asymp. Sig.	.130

a. Kruskal Wallis Test

b. Grouping Variable: Kelompok Perlakuan

## Mann-Whitney Test

	Kelompok Perlakuan	N	Mean Rank	Sum of Ranks
Derajat Infeksi	nylon darn	10	10.50	105.00
	mesh monofilamen	10	10.50	105.00
	Total	20		

	Derajat Infeksi
Mann-Whitney U	50.000
Wilcoxon W	105.000
Z	.000
Asymp. Sig. (2-tailed)	1.000
Exact Sig. [2*(1-tailed Sig.)]	1.000 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: Kelompok Perlakuan

### Mann-Whitney Test

**Ranks**

	Kelompok Perlakuan	N	Mean Rank	Sum of Ranks
Derajat Infeksi	nylon darn	10	8.90	89.00
	mesh multifilamen	10	12.10	121.00
	Total	20		

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

	Derajat Infeksi
Mann-Whitney U	34.000
Wilcoxon W	89.000
Z	-1.594
Asymp. Sig. (2-tailed)	.111
Exact Sig. [2*(1-tailed Sig.)]	.247 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: Kelompok Perlakuan

### Mann-Whitney Test

**Ranks**

	Kelompok Perlakuan	N	Mean Rank	Sum of Ranks
Derajat Infeksi	mesh monofilamen	10	8.90	89.00
	mesh multifilamen	10	12.10	121.00
	Total	20		

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

	Derajat Infeksi
Mann-Whitney U	34.000
Wilcoxon W	89.000
Z	-1.594
Asymp. Sig. (2-tailed)	.111
Exact Sig. [2*(1-tailed Sig.)]	.247 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: Kelompok Perlakuan



## HITUNG KUMAN

### Descriptives

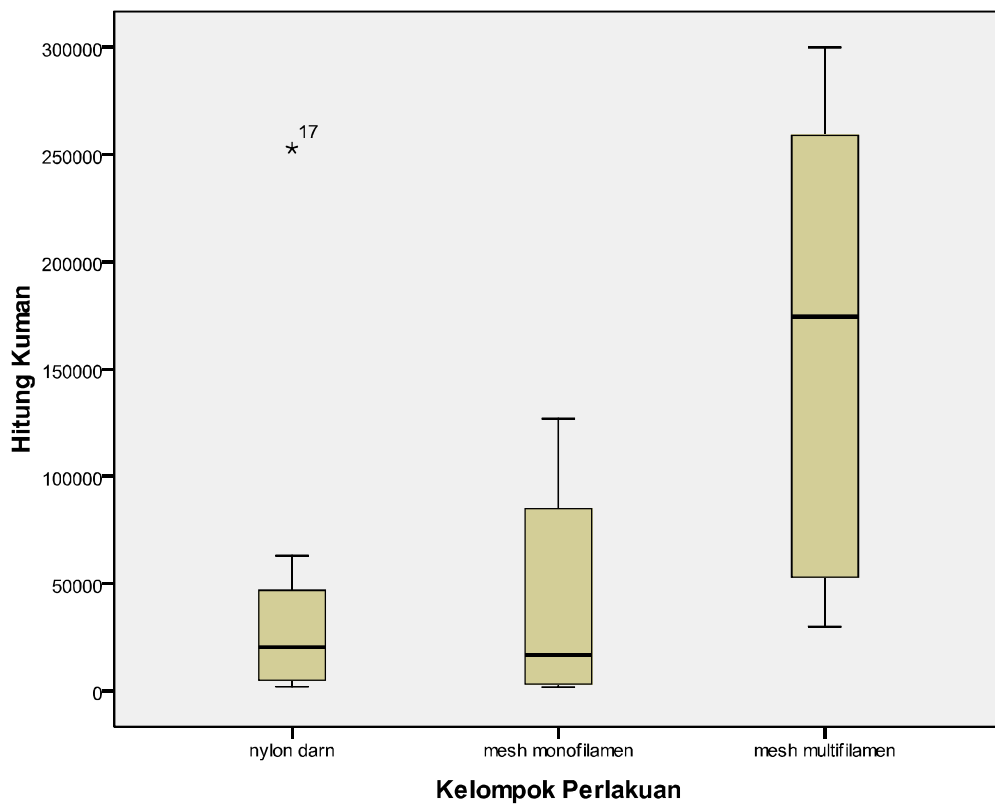
Kelompok Perlakuan			Statistic	Std. Error	
Hitung Kuman	nylon darn	Mean	45357.00	23959.412	
		95% Confidence Interval for Mean	Lower Bound	-8842.95	
			Upper Bound	99556.95	
		5% Trimmed Mean	36231.67		
		Median	20350.00		
		Variance	5.741E9		
		Std. Deviation	75766.312		
		Minimum	1970		
		Maximum	253000		
		Range	251030		
		Interquartile Range	46500		
		Skewness	2.759	.687	
		Kurtosis	8.056	1.334	
mesh monofilamen	mesh monofilamen	Mean	44697.00	16021.867	
		95% Confidence Interval for Mean	Lower Bound	8453.02	
			Upper Bound	80940.98	
		5% Trimmed Mean	42515.00		
		Median	16800.00		
		Variance	2.567E9		
		Std. Deviation	50665.593		
		Minimum	1670		
		Maximum	127000		
		Range	125330		
		Interquartile Range	88850		
		Skewness	.637	.687	
		Kurtosis	-1.493	1.334	
mesh multifilamen	mesh multifilamen	Mean	164100.00	33479.828	
		95% Confidence Interval for Mean	Lower Bound	88363.37	
			Upper Bound	239836.63	
		5% Trimmed Mean	164000.00		
		Median	174500.00		
		Variance	1.121E10		
		Std. Deviation	105872.512		
		Minimum	30000		
		Maximum	300000		
		Range	270000		
		Interquartile Range	220500		
		Skewness	-.016	.687	
		Kurtosis	-1.669	1.334	

**Tests of Normality**

Kelompok Perlakuan		Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Hitung Kuman	nylon darn	.308	10	.008	.600	10	.000
	mesh monofilamen	.291	10	.016	.800	10	.015
	mesh multifilamen	.153	10	.200*	.905	10	.247

a. Lilliefors Significance Correction

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



**Gambar boxplot Jumlah Kuman Masing-masing Kelompok**

## Kruskal-Wallis Test

**Ranks**

	Kelompok Perlakuan	N	Mean Rank
Hitung Kuman	nylon darn	10	11.90
	mesh monofilamen	10	11.85
	mesh multifilamen	10	22.75
	Total	30	

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

	Hitung Kuman
Chi-Square	10.199
df	2
Asymp. Sig.	.006

a. Kruskal Wallis Test

b. Grouping Variable: Kelompok Perlakuan

## Mann-Whitney Test

**Ranks**

	Kelompok Perlakuan	N	Mean Rank	Sum of Ranks
Hitung Kuman	nylon darn	10	10.60	106.00
	mesh monofilamen	10	10.40	104.00
	Total	20		

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

	Hitung Kuman
Mann-Whitney U	49.000
Wilcoxon W	104.000
Z	-.076
Asymp. Sig. (2-tailed)	.940
Exact Sig. [2*(1-tailed Sig.)]	.971 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: Kelompok Perlakuan

## Mann-Whitney Test

Ranks

	Kelompok Perlakuan	N	Mean Rank	Sum of Ranks
Hitung Kuman	nylon darn	10	6.80	68.00
	mesh multifilamen	10	14.20	142.00
	Total	20		

Test Statistics<sup>b</sup>

	Hitung Kuman
Mann-Whitney U	13.000
Wilcoxon W	68.000
Z	-2.802
Asymp. Sig. (2-tailed)	.005
Exact Sig. [2*(1-tailed Sig.)]	.004 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: Kelompok Perlakuan

## Mann-Whitney Test

Ranks

	Kelompok Perlakuan	N	Mean Rank	Sum of Ranks
Hitung Kuman	mesh monofilamen	10	6.95	69.50
	mesh multifilamen	10	14.05	140.50
	Total	20		

Test Statistics<sup>b</sup>

	Hitung Kuman
Mann-Whitney U	14.500
Wilcoxon W	69.500
Z	-2.686
Asymp. Sig. (2-tailed)	.007
Exact Sig. [2*(1-tailed Sig.)]	.005 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: Kelompok Perlakuan

## Nonparametric Correlations

**Correlations**

			Hitung Kuman	Derajat Infeksi
Spearman's rho	Hitung Kuman	Correlation Coefficient	1.000	.662**
		Sig. (2-tailed)	.	.000
		N	30	30
	Derajat Infeksi	Correlation Coefficient	.662**	1.000
		Sig. (2-tailed)	.000	.
		N	30	30

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

#### LAMPIRAN IV: GAMBAR PELAKSANAAN PENELITIAN



**Gambar tikus Wistar yang telah dilakukan eksisi jaringan pada daerah *midline* abdomen**



### **Gambar Tikus Wistar yang Telah Diberikan Perlakuan**

Dari kiri searah jarum jam: tikus yang diberikan perlakuan *nylon darn repair*, tikus yang dipasang *mesh* monofilamen makropori, dan tikus yang dipasang *mesh* multifilamen makropori.



**Gambar tikus yang telah selesai dilakukan perlakuan**

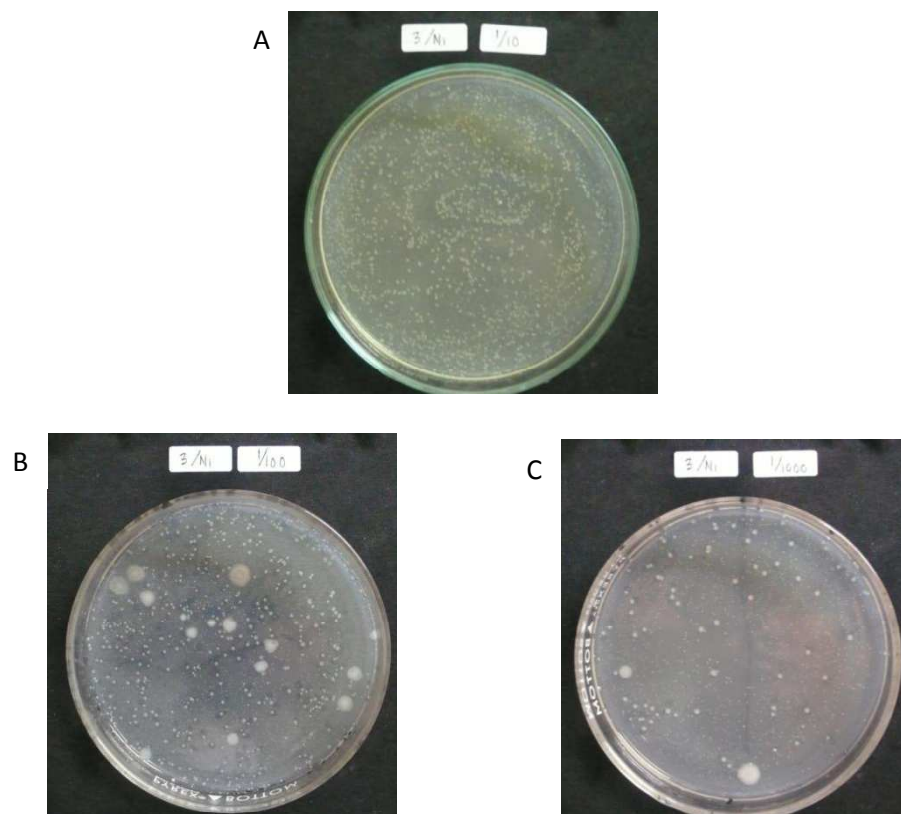


**Gambar tikus pada hari ketujuh, didapatkan infeksi derajat 0**

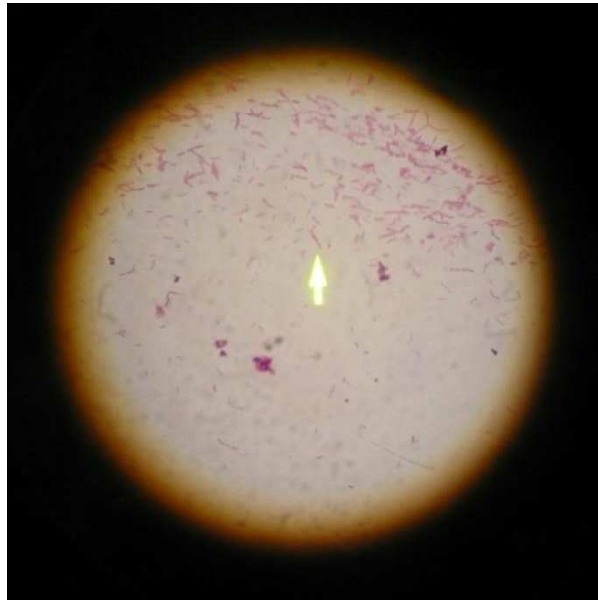




**Gambar tikus pada hari ketujuh, didapatkan infeksi derajat 4**



**Gambar nutrient agar yang telah tumbuh kuman**  
**A: Pengenceran 1/10. B: Pengenceran 1/100. C: Pengenceran 1/1000**



**Gambar *E. coli*, diambil dengan kamera pada mikroskop dengan pembesaran 1000x**