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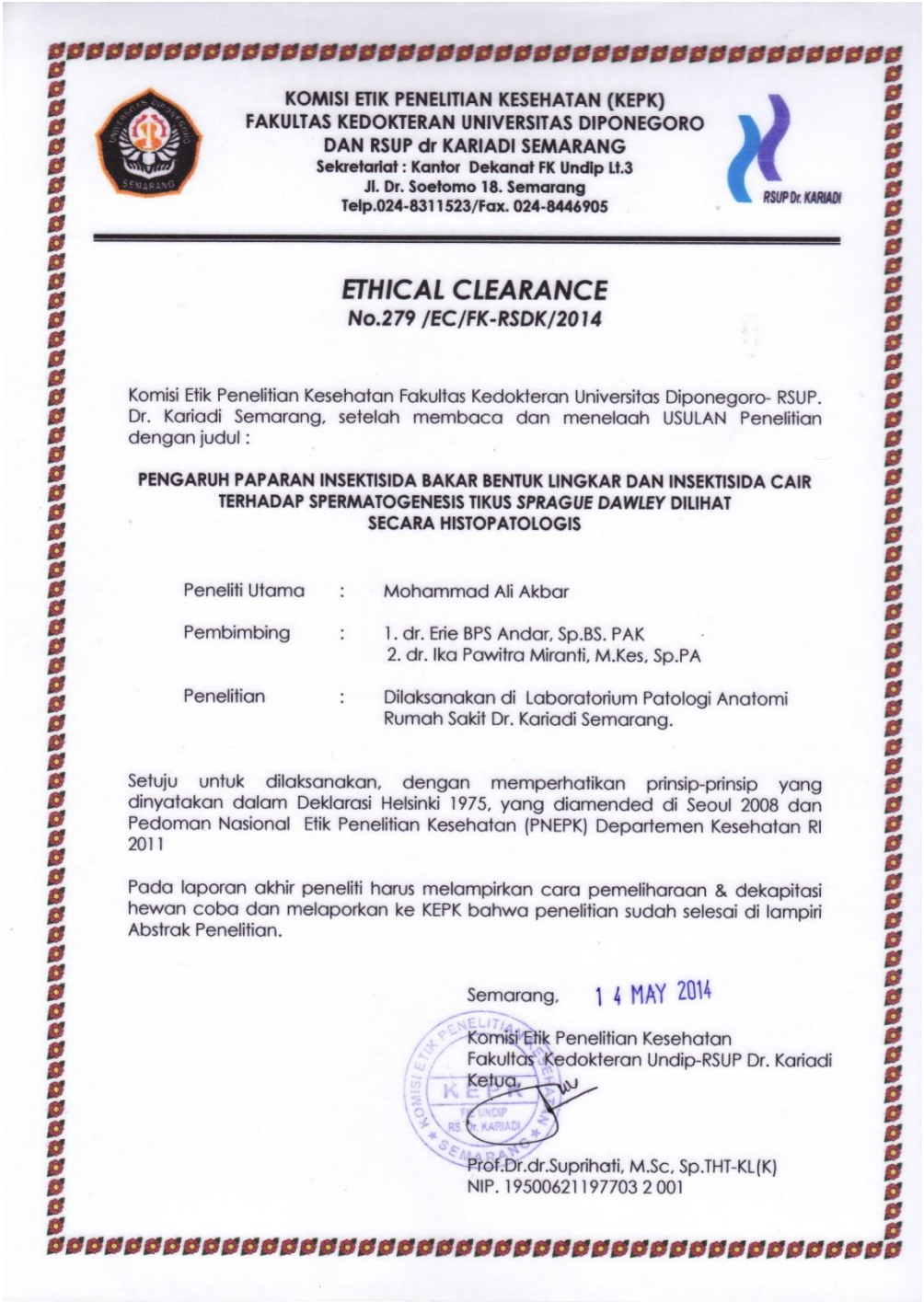
Lampiran 1. ***Ethical Clearance***



KOMISI ETIK PENELITIAN KESEHATAN (KEPK)
FAKULTAS KEDOKTERAN UNIVERSITAS DIPONEGORO
DAN RSUP dr KARIADI SEMARANG
Sekretariat : Kantor Dekanat FK Undip Lt.3
Jl. Dr. Soetomo 18. Semarang
Telp.024-8311523/Fax. 024-8446905

RSUP Dr. KARIADI

ETHICAL CLEARANCE
No.279 /EC/FK-RSDK/2014

Komisi Etik Penelitian Kesehatan Fakultas Kedokteran Universitas Diponegoro- RSUP. Dr. Kariadi Semarang, setelah membaca dan menelaah USULAN Penelitian dengan judul :

PENGARUH PAPARAN INSEKTISIDA BAKAR BENTUK LINGKAR DAN INSEKTISIDA CAIR TERHADAP SPERMATOGENESIS TIKUS *SPRAGUE DAWLEY* DILIHAT SECARA HISTOPATOLOGIS

Peneliti Utama	:	Mohammad Ali Akbar
Pembimbing	:	1. dr. Erie BPS Andar, Sp.BS. PAK 2. dr. Ika Pawitra Miranti, M.Kes, Sp.PA
Penelitian	:	Dilaksanakan di Laboratorium Patologi Anatomi Rumah Sakit Dr. Kariadi Semarang.

Setuju untuk dilaksanakan, dengan memperhatikan prinsip-prinsip yang dinyatakan dalam Deklarasi Helsinki 1975, yang diamended di Seoul 2008 dan Pedoman Nasional Etik Penelitian Kesehatan (PNEPK) Departemen Kesehatan RI 2011

Pada laporan akhir peneliti harus melampirkan cara pemeliharaan & dekapitasi hewan coba dan melaporkan ke KEPK bahwa penelitian sudah selesai di lampiri Abstrak Penelitian.

Semarang, 14 MAY 2014
Komisi Etik Penelitian Kesehatan
Fakultas Kedokteran Undip-RSUP Dr. Kariadi
Ketua,

Prof.Dr.dr.Suprihati, M.Sc, Sp.THT-KL(K)
NIP. 19500621197703 2 001

Lampiran 2. Cara kerja sediaan histopatologi

1) Menyiapkan wadah yang di isi dengan larutan formalin 10% buffer dengan minimal lima kali volume jaringan
2) Testis yang telah diambil, segera dimasukkan ke dalam wadah tersebut
3) Memberi identitas pada semua wadah dengan identitas masing-masing kelompok perlakuan
4) Dikirim ke Sentra Diagnostik Patologi Anatomi disertai dengan formulir pengantar
5) Preparat kemudian dipotong dengan ketebalan maksimal 3-4 cm
6) Setelah dipotong diletakkan di dalam kaset jaringan, dan dimasukkan ke wadah yang berisi formalin 10% buffer
7) Dilakukan proses pembuatan blok parafin, kemudian didinginkan di dalam lemari es
8) Blok parafin dipotong menjadi lebih tipis menggunakan mikrotom sesuai kebutuhan
9) Pita parafin dilebarkan dengan ditempelkan langsung pada kaca benda yang telah dibasahi dengan air
10) Dimulai dengan proses pengecatan Hematoksilin dan Eosin (HE)
11) Perparat diberi cat Hematoksilin
12) Kemudian didiferensiasi dengan menggunakan air kran
13) Diberi cat Eosin
14) Kemudian di dehidrasi menggunakan alkohol 70%
15) Pada proses “clearing” menggunakan larutan xylol
16) Mouting adalah tahap terakhir yang kemudian dapat diamati di mikroskop

Lampiran 3. Hasil Pengamatan sel germinal yang mengarah keganasan

Kelompok	Lapangan Pandang					Jumlah Seluruh Lapangan Pandang
	1	2	3	4	5	
I. 27.10.4	0	0	0	1	0	1
I. 29.09.1	0	0	1	0	0	1
I. 08.10.10	1	0	0	0	0	1
I. 08.10.7	0	0	0	2	0	2
I. 29.09.3	0	0	0	0	3	3
III. 25.10.1	3	0	0	1	0	4
III. 25.10.3	2	1	2	0	0	5
III. 26.10.2	3	7	10	6	3	29
III. 27.10.8	6	7	9	14	32	68
III. 25.10.7	5	1	2	1	1	10
IV. 27.10.8	3	0	2	0	2	7
IV. 1.11.15	1	2	0	1	0	4
IV. 27.10.8	2	1	2	0	3	8
IV. 27.10.7	0	1	0	1	0	2
IV. 1.11.17	3	3	1	0	0	7
V. 15.10.4	4	0	6	5	0	15
V. 15.10.5	0	1	2	0	1	4
V. 20.10.13	0	0	0	0	0	0
V. 20.10.8	0	0	0	2	0	2
V. 20.10.15	0	0	1	0	0	1
VI. 08.10.4	0	0	2	2	2	6
VI. 08.10.5	0	4	2	3	0	9
VI. 28.10.7	1	0	1	0	0	2
VI. 28.10.9	0	0	2	3	0	5
VI. 04.10.1	1	1	1	0	0	3

Lampiran 4. Hasil analisis data dengan SPSS

Reliability

Reliability Statistics

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.999	1.000	2

Intraclass Correlation Coefficient

	Intraclass Correlation[b]	95% Confidence Interval		F Test with True Value 0		
		Lower Bound	Upper Bound	Value	df1	df2
Single Measures	.998[a]	.983	1.000	895.000	4	4
Average Measures	.999[c]	.991	1.000	895.000	4	4

Two-way mixed effects model where people effects are random and measures effects are fixed.

a. The estimator is the same, whether the interaction effect is present or not.

b. Type A intraclass correlation coefficients using an absolute agreement definition.

c. This estimate is computed assuming the interaction effect is absent, because it is not estimable otherwise.

Means

Case Processing Summary

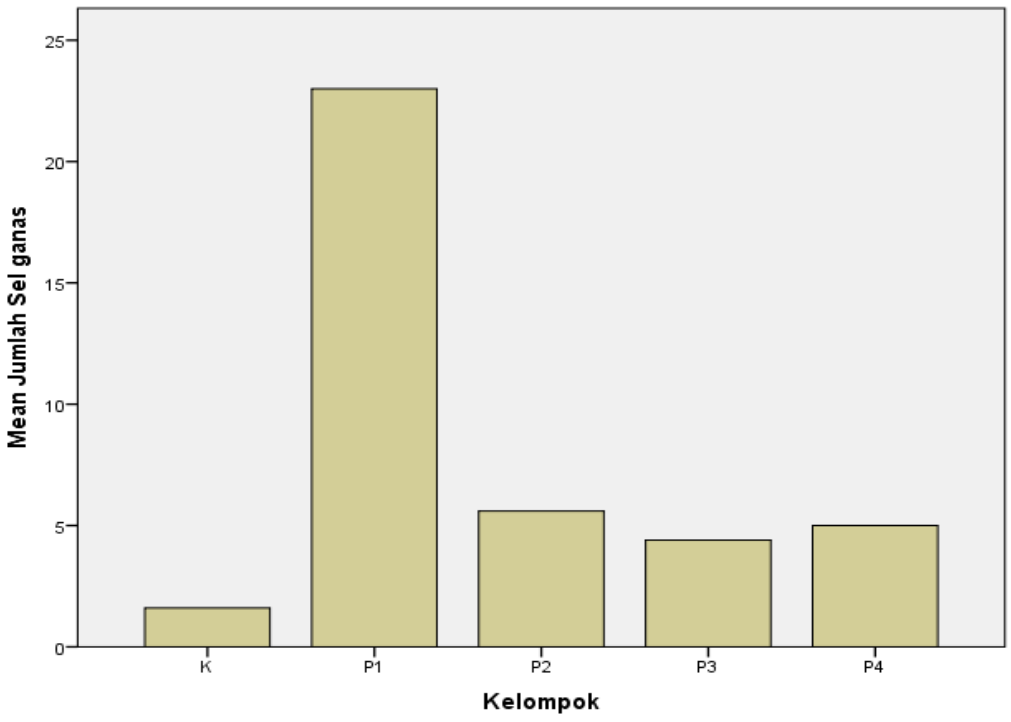
	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
Jumlah Sel ganas * Kelompok	25	100.0%	0	0.0%	25	100.0%

Report

Jumlah Sel ganas

Kelompok	Mean	Median	Std. Deviation	Minimum	Maximum
K	1.60	1.00	.894	1	3
P1	23.00	10.00	26.944	4	68
P2	5.60	7.00	2.510	2	8
P3	4.40	2.00	6.107	0	15
P4	5.00	5.00	2.739	2	9
Total	7.92	4.00	13.814	0	68

Graph



Explore
Kelompok

Case Processing Summary

	Kelompok	Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
Jumlah Sel ganas	K	5	100.0%	0	0.0%	5	100.0%
	P1	5	100.0%	0	0.0%	5	100.0%
	P2	5	100.0%	0	0.0%	5	100.0%
	P3	5	100.0%	0	0.0%	5	100.0%
	P4	5	100.0%	0	0.0%	5	100.0%

Descriptives

	Kelompok			Statistic	Std. Error
Jumlah Sel ganas	K	Mean		1.60	.400
		95% Confidence Interval for Mean	Lower Bound	.49	
			Upper Bound	2.71	
		5% Trimmed Mean		1.56	
		Median		1.00	
		Variance		.800	
		Std. Deviation		.894	
		Minimum		1	
		Maximum		3	
		Range		2	
		Interquartile Range		2	
		Skewness		1.258	.913
		Kurtosis		.313	2.000
	P1	Mean		23.00	12.050
		95% Confidence Interval for Mean	Lower Bound	-10.46	
			Upper Bound	56.46	
		5% Trimmed Mean		21.56	
		Median		10.00	
		Variance		726.000	
		Std. Deviation		26.944	
		Minimum		4	

		Maximum		68	
		Range		64	
		Interquartile Range		44	
		Skewness		1.627	.913
		Kurtosis		2.352	2.000
		Mean		5.60	1.122
		95% Confidence Interval for Mean	Lower Bound	2.48	
			Upper Bound	8.72	
		5% Trimmed Mean		5.67	
		Median		7.00	
		Variance		6.300	
	P2	Std. Deviation		2.510	
		Minimum		2	
		Maximum		8	
		Range		6	
		Interquartile Range		5	
		Skewness		-.828	.913
		Kurtosis		-1.217	2.000
		Mean		4.40	2.731
		95% Confidence Interval for Mean	Lower Bound	-3.18	
			Upper Bound	11.98	
		5% Trimmed Mean		4.06	
		Median		2.00	
		Variance		37.300	
	P3	Std. Deviation		6.107	
		Minimum		0	
		Maximum		15	
		Range		15	
		Interquartile Range		9	
		Skewness		1.925	.913
		Kurtosis		3.829	2.000
		Mean		5.00	1.225
		95% Confidence Interval for Mean	Lower Bound	1.60	
	P4		Upper Bound	8.40	
		5% Trimmed Mean		4.94	

	Median	5.00	
	Variance	7.500	
	Std. Deviation	2.739	
	Minimum	2	
	Maximum	9	
	Range	7	
	Interquartile Range	5	
	Skewness	.609	.913
	Kurtosis	-.133	2.000

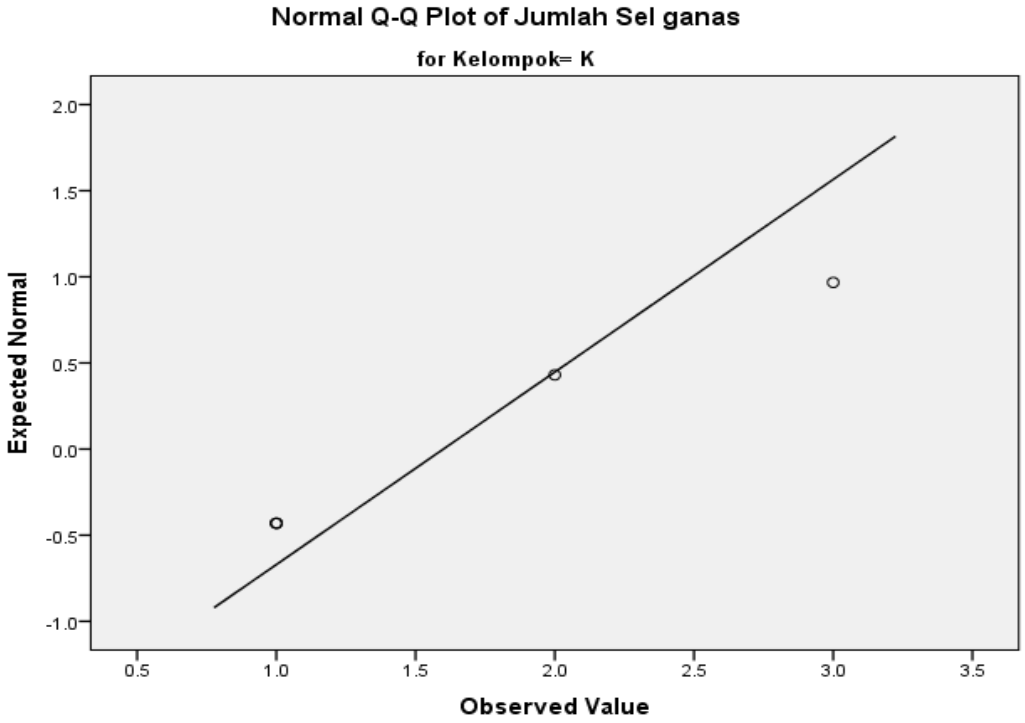
Tests of Normality

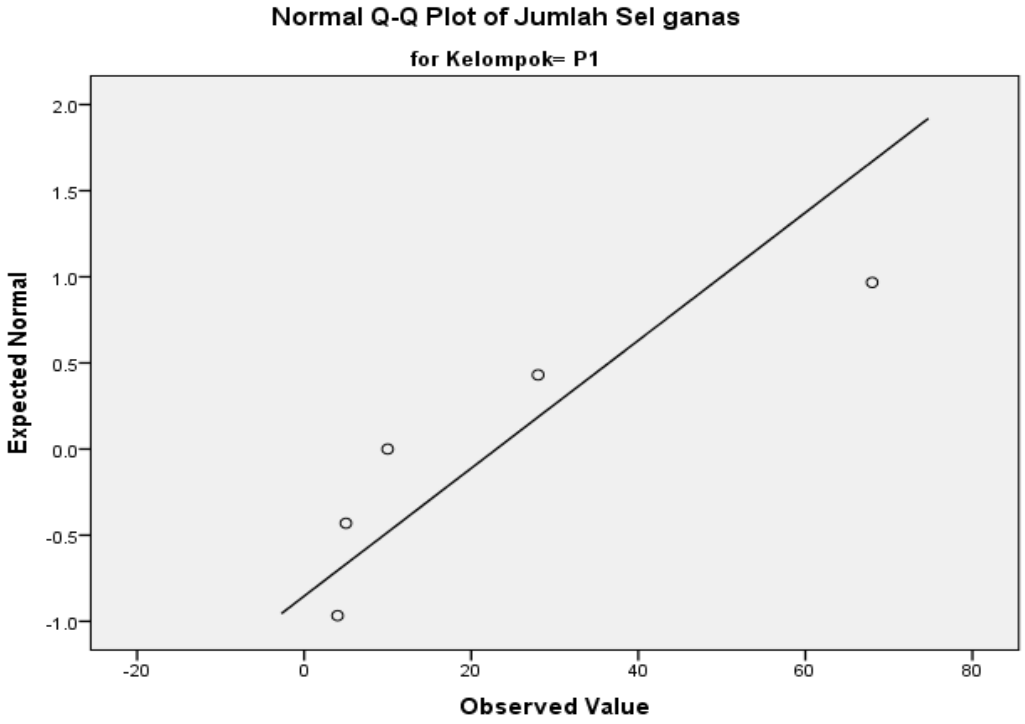
	Kelompok	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Jumlah Sel ganas	K	.349	5	.046	.771	5	.046
	P1	.285	5	.200*	.796	5	.076
	P2	.312	5	.127	.881	5	.314
	P3	.326	5	.088	.766	5	.042
	P4	.167	5	.200*	.964	5	.833

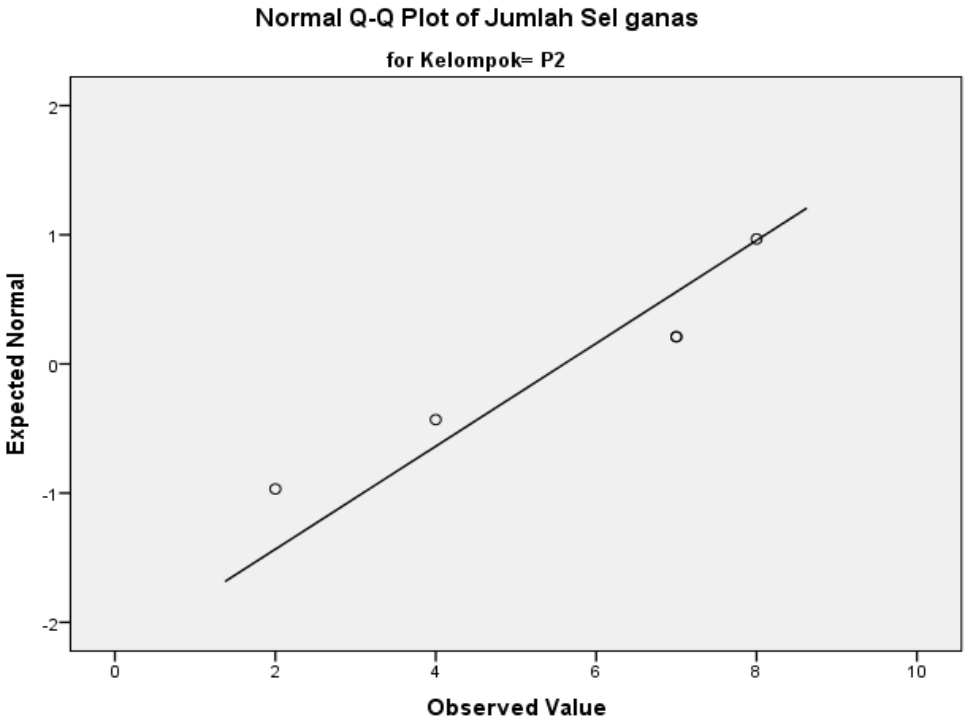
*. This is a lower bound of the true significance.

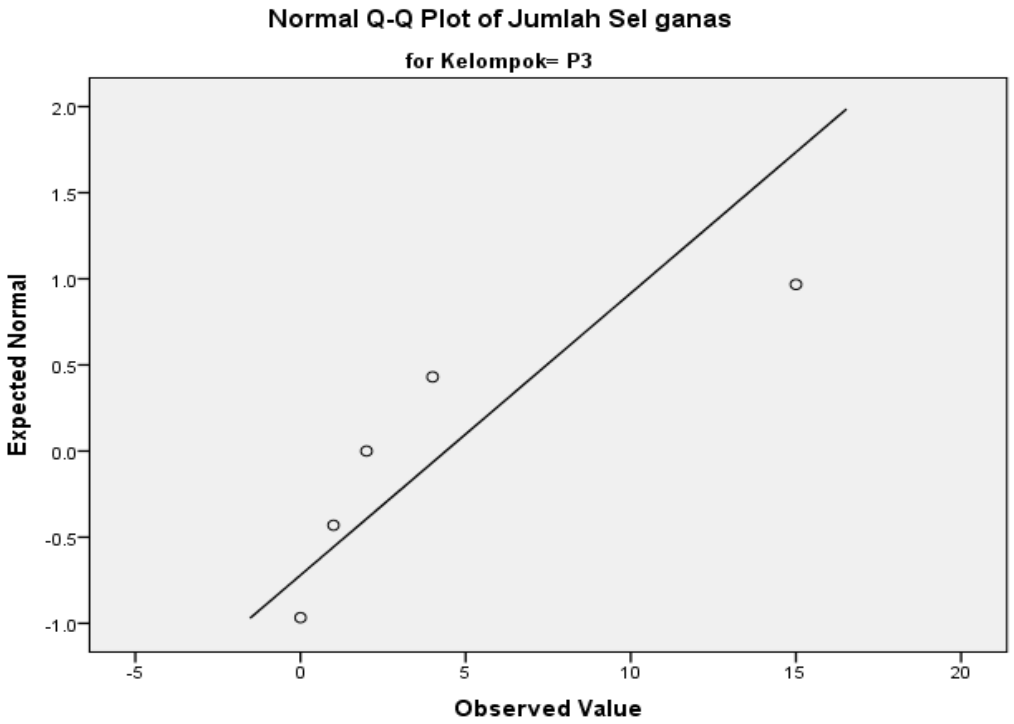
a. Lilliefors Significance Correction

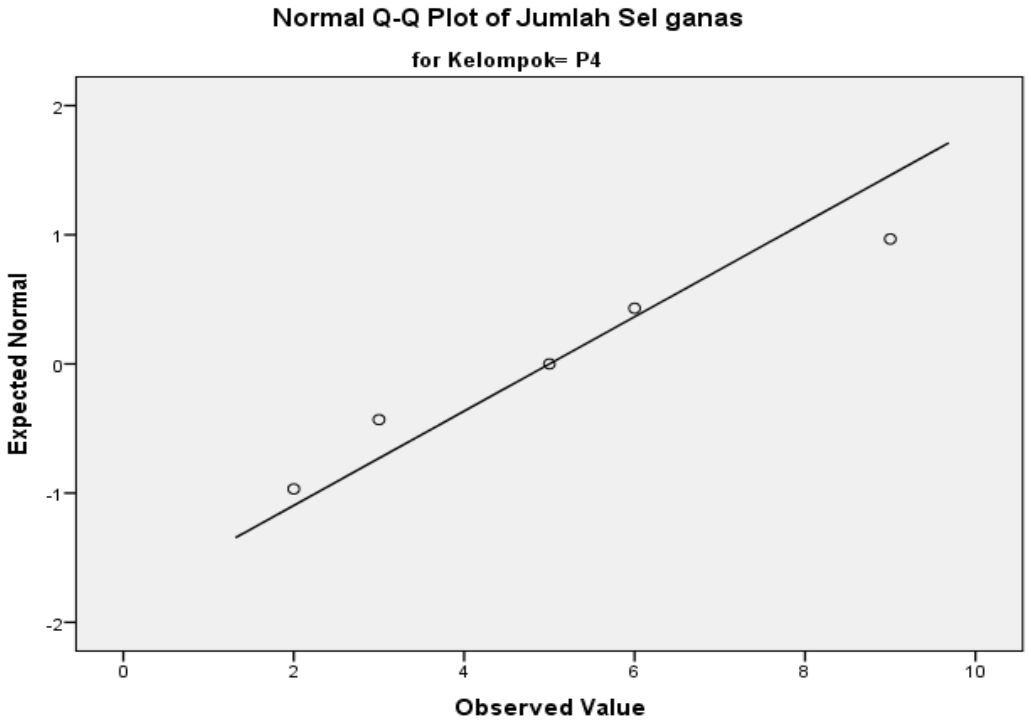
Jumlah Sel ganas
Normal Q-Q Plots



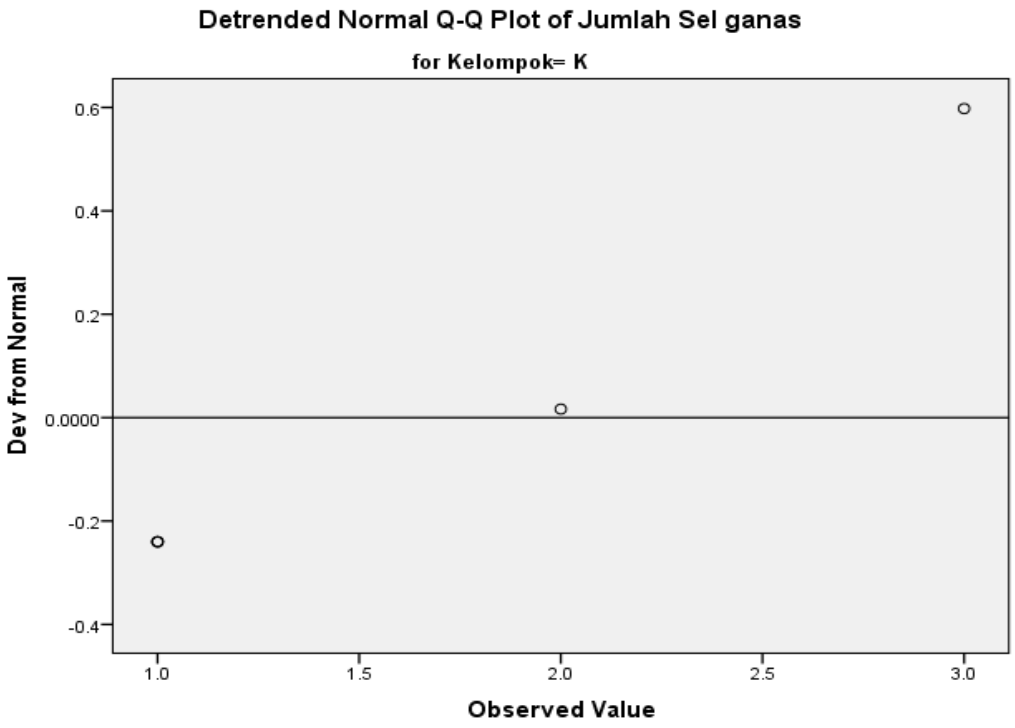


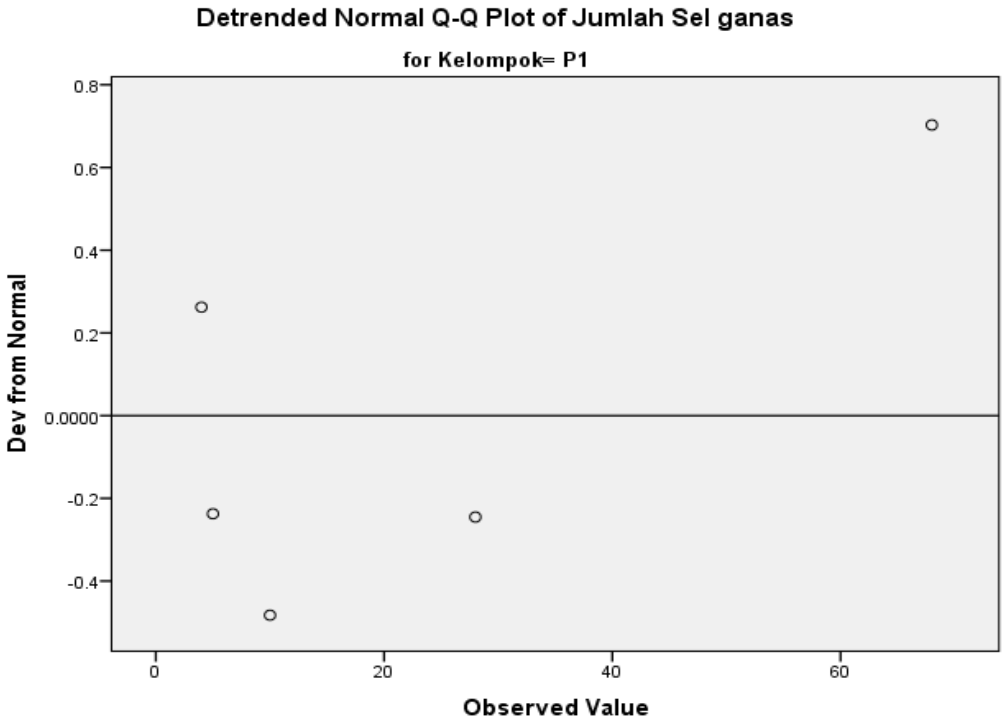

Normal Q-Q Plot of Jumlah Sel ganas
for Kelompok= P2
Expected Normal
Observed Value
2
1
0
-1
-2
0
2
4
6
8
10

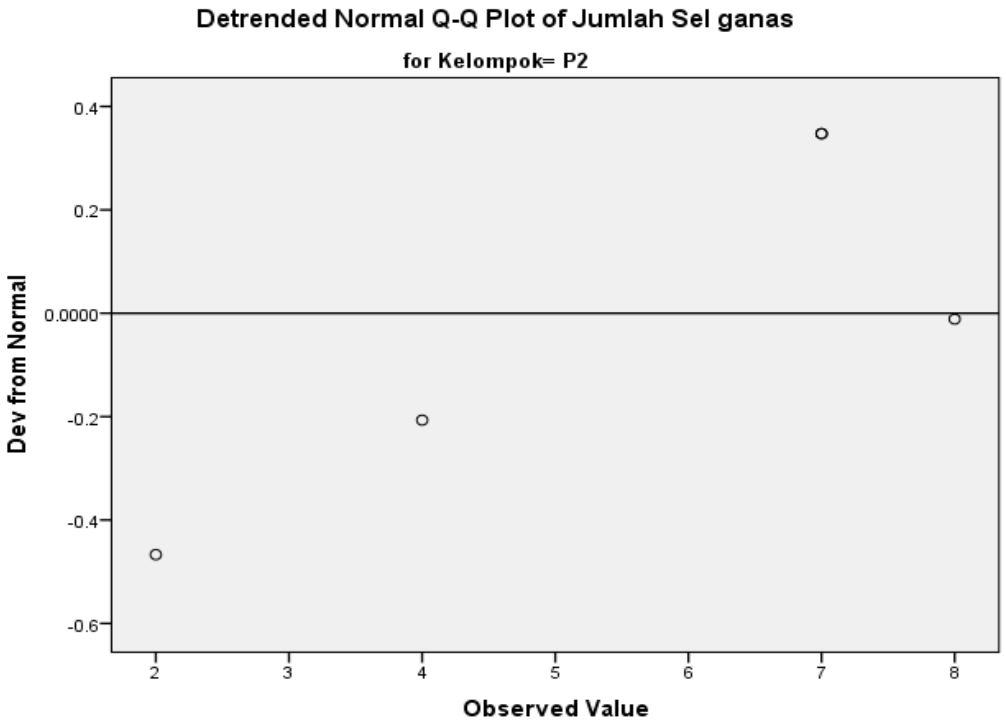

Normal Q-Q Plot of Jumlah Sel ganas
for Kelompok= P3
Expected Normal
Observed Value
2.0
1.5
1.0
0.5
0.0
-0.5
-1.0
-5
0
5
10
15
20

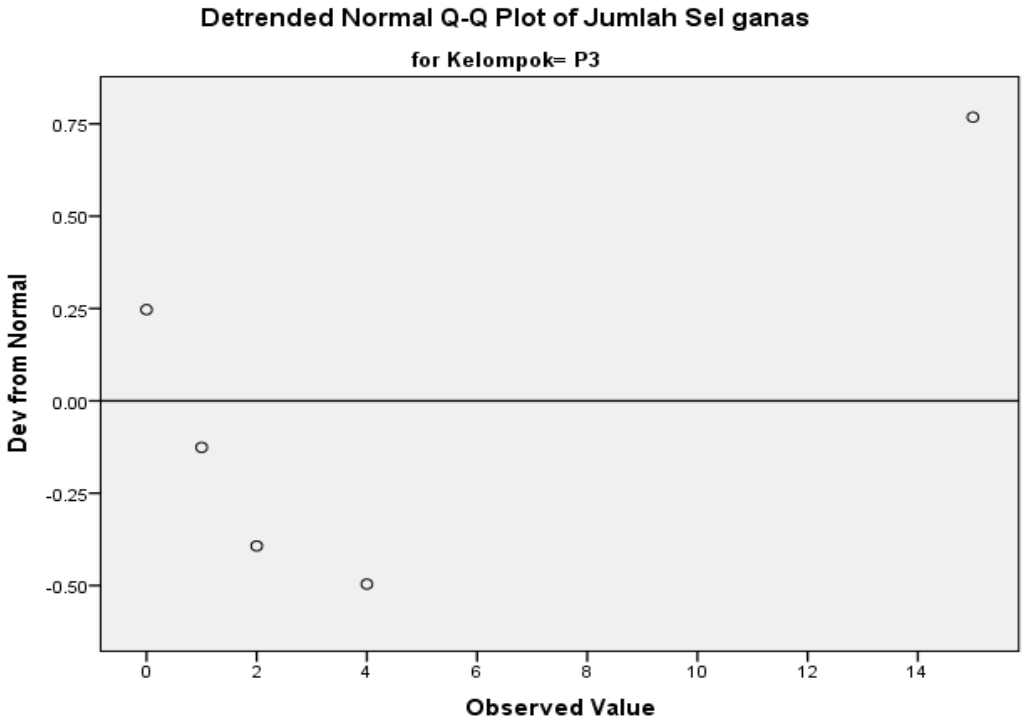


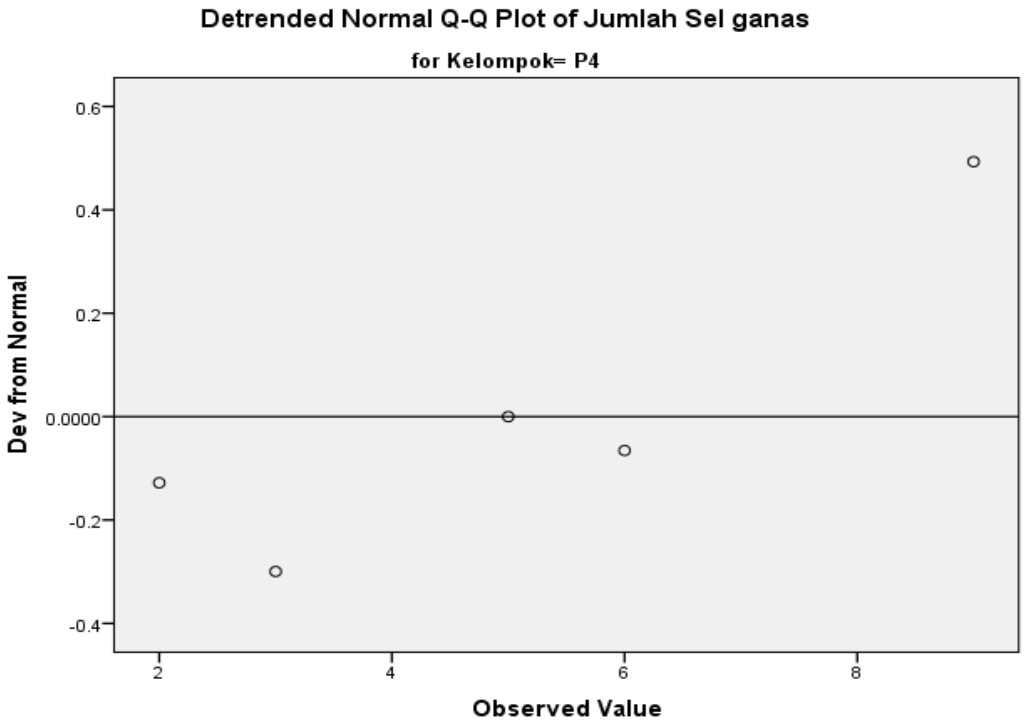
Detrended Normal Q-Q Plots



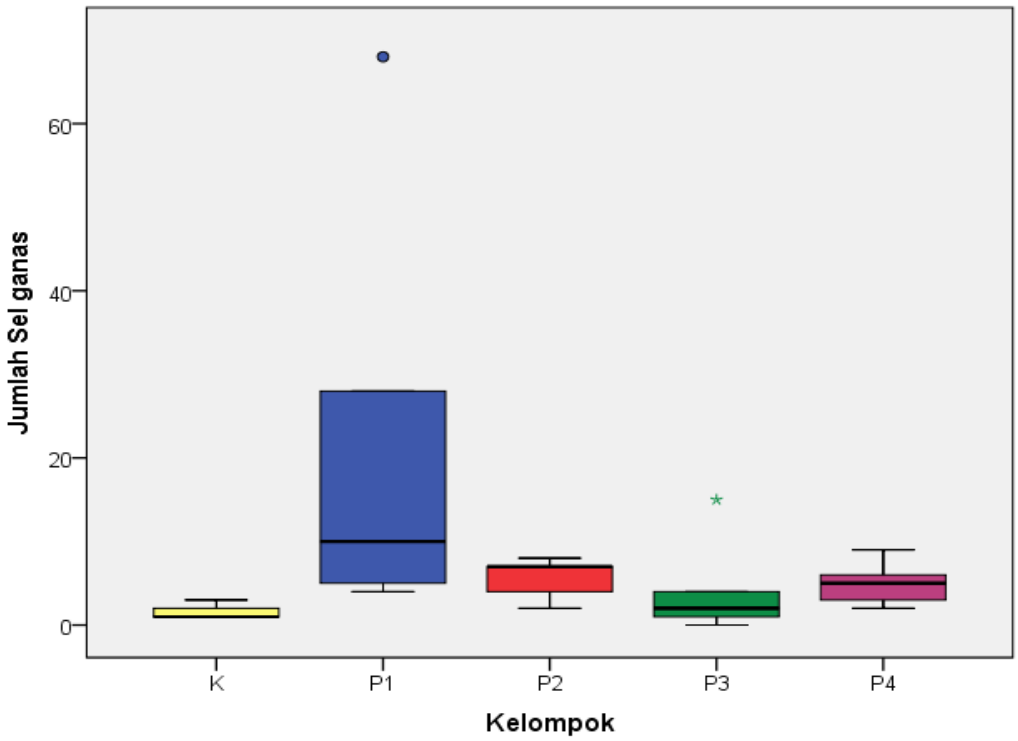

Detrended Normal Q-Q Plot of Jumlah Sel ganas
for Kelompok= P1
Dev from Normal
0.8
0.6
0.4
0.2
0.0000
-0.2
-0.4
0
20
40
60
Observed Value


Detrended Normal Q-Q Plot of Jumlah Sel ganas
for Kelompok= P2
Dev from Normal
0.4
0.2
0.0000
-0.2
-0.4
-0.6
2
3
4
5
6
7
8
Observed Value


Detrended Normal Q-Q Plot of Jumlah Sel ganas
for Kelompok= P3
Dev from Normal
0.75
0.50
0.25
0.00
-0.25
-0.50
0
2
4
6
8
10
12
14
Observed Value


Detrended Normal Q-Q Plot of Jumlah Sel ganas
for Kelompok= P4
Dev from Normal
0.6
0.4
0.2
0.0000
-0.2
-0.4
2
4
6
8
Observed Value

Jumlah Sel ganas



NPar Tests
Kruskal-Wallis Test

Ranks

	Kelompok	N	Mean Rank
Jumlah Sel ganas	K	5	5.70
	P1	5	19.90
	P2	5	15.50
	P3	5	9.60
	P4	5	14.30
	Total	25	

Test Statistics[a,b]

	Jumlah Sel ganas
Chi-Square	11.230
df	4
Asymp. Sig.	.024

a. Kruskal Wallis Test

b. Grouping Variable: Kelompok

NPar Tests: K vs P1
Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Jumlah Sel ganas	K	5	3.00	15.00
	P1	5	8.00	40.00
	Total	10		

Test Statistics[a]

	Jumlah Sel ganas
Mann-Whitney U	.000
Wilcoxon W	15.000
Z	-2.643
Asymp. Sig. (2-tailed)	.008
Exact Sig. [2*(1-tailed Sig.)]	.008[b]

a. Grouping Variable: Kelompok

b. Not corrected for ties.

NPar Tests: K vs P2
Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Jumlah Sel ganas	K	5	3.30	16.50
	P2	5	7.70	38.50
	Total	10		

Test Statistics[a]

	Jumlah Sel ganas
Mann-Whitney U	1.500
Wilcoxon W	16.500
Z	-2.341
Asymp. Sig. (2-tailed)	.019
Exact Sig. [2*(1-tailed Sig.)]	.016[b]

a. Grouping Variable: Kelompok

b. Not corrected for ties.

NPar Tests: K vs P3
Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Jumlah Sel ganas	K	5	5.00	25.00
	P3	5	6.00	30.00
	Total	10		

Test Statistics[a]

	Jumlah Sel ganas
Mann-Whitney U	10.000
Wilcoxon W	25.000
Z	-.541
Asymp. Sig. (2-tailed)	.589
Exact Sig. [2*(1-tailed Sig.)]	.690[b]

a. Grouping Variable: Kelompok

b. Not corrected for ties.

NPar Tests: K vs P4
Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Jumlah Sel ganas	K	5	3.40	17.00
	P4	5	7.60	38.00
	Total	10		

Test Statistics[a]

	Jumlah Sel ganas
Mann-Whitney U	2.000
Wilcoxon W	17.000
Z	-2.234
Asymp. Sig. (2-tailed)	.025
Exact Sig. [2*(1-tailed Sig.)]	.032[b]

a. Grouping Variable: Kelompok

b. Not corrected for ties.

NPar Tests : P1 vs P2
Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Jumlah Sel ganas	P1	5	6.70	33.50
	P2	5	4.30	21.50
	Total	10		

Test Statistics[a]

	Jumlah Sel ganas
Mann-Whitney U	6.500
Wilcoxon W	21.500
Z	-1.261
Asymp. Sig. (2-tailed)	.207
Exact Sig. [2*(1-tailed Sig.)]	.222[b]

a. Grouping Variable: Kelompok

b. Not corrected for ties.

NPar Tests : P1 vs P3
Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Jumlah Sel ganas	P1	5	7.30	36.50
	P3	5	3.70	18.50
	Total	10		

Test Statistics[a]

	Jumlah Sel ganas
Mann-Whitney U	3.500
Wilcoxon W	18.500
Z	-1.886
Asymp. Sig. (2-tailed)	.059
Exact Sig. [2*(1-tailed Sig.)]	.056[b]

a. Grouping Variable: Kelompok

b. Not corrected for ties.

NPar Tests : P1 vs P4
Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Jumlah Sel ganas	P1	5	6.90	34.50
	P4	5	4.10	20.50
	Total	10		

Test Statistics[a]

	Jumlah Sel ganas
Mann-Whitney U	5.500
Wilcoxon W	20.500
Z	-1.467
Asymp. Sig. (2-tailed)	.142
Exact Sig. [2*(1-tailed Sig.)]	.151[b]

a. Grouping Variable: Kelompok

b. Not corrected for ties.

NPar Tests : P2 vs P3
Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Jumlah Sel ganas	P2	5	6.60	33.00
	P3	5	4.40	22.00
	Total	10		

Test Statistics[a]

	Jumlah Sel ganas
Mann-Whitney U	7.000
Wilcoxon W	22.000
Z	-1.160
Asymp. Sig. (2-tailed)	.246
Exact Sig. [2*(1-tailed Sig.)]	.310[b]

a. Grouping Variable: Kelompok

b. Not corrected for ties.

NPar Tests : P2 vs P4
Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Jumlah Sel ganas	P2	5	5.90	29.50
	P4	5	5.10	25.50
	Total	10		

Test Statistics[a]

	Jumlah Sel ganas
Mann-Whitney U	10.500
Wilcoxon W	25.500
Z	-.420
Asymp. Sig. (2-tailed)	.674
Exact Sig. [2*(1-tailed Sig.)]	.690[b]

a. Grouping Variable: Kelompok

b. Not corrected for ties.

NPar Tests : P3 vs P4
Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Jumlah Sel ganas	P3	5	4.50	22.50
	P4	5	6.50	32.50
	Total	10		

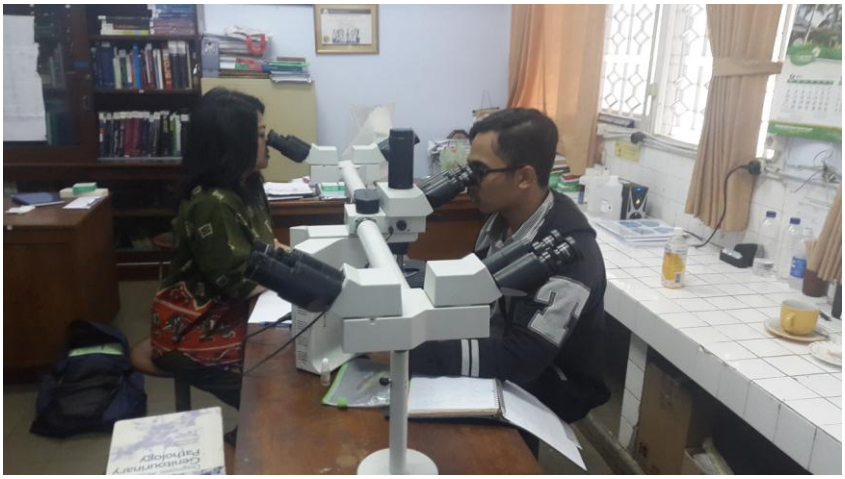
Test Statistics[a]

	Jumlah Sel ganas
Mann-Whitney U	7.500
Wilcoxon W	22.500
Z	-1.048
Asymp. Sig. (2-tailed)	.295
Exact Sig. [2*(1-tailed Sig.)]	.310[b]

a. Grouping Variable: Kelompok

b. Not corrected for ties.

Lampiran 5. Dokumentasi penelitian



Lampiran 6. Lembar pengambilan data penelitian

LEMBAR PENGAMBILAN DATA PENELITIAN
PENGARUH PAPARAN INSEKTISIDA PADA TESTIS TIKUS *SPRAGUE DAWLEY*:
KAJIAN RISIKO KEGANASAN SEL GERMINAL

Hari/Tanggal :	**Kelompok :**	**Peneliti :**

Kriteria Diagnostik Sel Germinal yang Mengarah Keganasan :

- sitoplasma jernih
- nukleus yang atipikal dengan kromatin kasar
- nukleoli yang prominen dan ireguler

Kode Preparat :

LP 1					**LP 2**					**LP 3**				
1	**2**	**3**	**4**	**5**	**1**	**2**	**3**	**4**	**5**	**1**	**2**	**3**	**4**	**5**

LP 4					**LP 5**				
1	**2**	**3**	**4**	**5**	**1**	**2**	**3**	**4**	**5**

Kode Preparat :

LP 1					**LP 2**					**LP 3**				
1	**2**	**3**	**4**	**5**	**1**	**2**	**3**	**4**	**5**	**1**	**2**	**3**	**4**	**5**

LP 4					**LP 5**				
1	**2**	**3**	**4**	**5**	**1**	**2**	**3**	**4**	**5**

Kode Preparat :

LP 1					LP 2					LP 3				
1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
LP 4					LP 5									
1	2	3	4	5	1	2	3	4	5					

Kode Preparat :

LP 1					LP 2					LP 3				
1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
LP 4					LP 5									
1	2	3	4	5	1	2	3	4	5					

Kode Preparat :

LP 1					LP 2					LP 3				
1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
LP 4					LP 5									
1	2	3	4	5	1	2	3	4	5					

Lampiran 7. *Curriculum Vitae*

Curriculum Vitae	
Personal Information	
Name	Milzam Auzan Aziman
Address	JL. Puspowarno Tengah II / 7
	Semarang, Jawa Tengah
Telephone	085641381041
E-mail address	milzam_auzan@rocketmail.com
Nationality	Indonesia
Date of birth	Semarang, 16th July 1992
Gender	Male
Status	Unmarried
Year of recent medical student	8th semester of medical students
GPA	3,87
Work Experience and Organization	
Dates	2011-2013
Occupation or position held	Staff of Student Resources Development Department
Name and Address of employer	Student Executive board of Medical Faculty of Diponegoro University
Dates	2012-2015
Occupation or position held	Teaching Assistant
Name and Address of employer	Anatomy Department of Medical Faculty of Diponegoro University
Dates	2013
Occupation or position held	Coordinator of Publication and Documentation

Name and Address of employer	Scientific Fair 2013, Medical Faculty of Diponegoro University
Dates	2014
Occupation or position held	Staff of Publication and Documentation
Name and Address of employer	Kembak 2014, Medical Faculty of Diponegoro University
Education	1998 - 1999, SD H. Isriati Semarang, Jawa Tengah 1999 - 2003, SD Al-Azhar Pontianak, Kalimantan Barat 2003 - 2004, SD H. Isriati Semarang, Jawa Tengah 2004 - 2007, SMP Negeri 7 Semarang, Jawa Tengah 2007 - 2010, SMA Negeri 1 Semarang, Jawa Tengah 2010 - 2011, Chemical Engineering Diponegoro University 2011 - Present, Faculty of Medicine Diponegoro University
Course and Training	
Dates /Name of course	2011/Basic Organization Training, Student Executive board of Medical Faculty of Diponegoro University
Dates /Name of course	2013/ Various View in Extremity Fracture, Gajah Mada Medical Science Olympiad committee of Gajah Mada University
Dates /Name of course	2014/Integrative Approach on Acute Coronary Syndrome, Scientific Fair 2014 commitee of Diponegoro University
Dates /Name of course	2014/ Medical Training Partus, Student Executive board of Medical Faculty of Diponegoro University

Personal skills and competences	
Mother language	Indonesia
Other languages	English
Computer skills and competences	Microsoft office (Word, Excel, Power Point), Adobe Photoshop
Personal interest	1. Neurosurgery 2. Neurology 3. Pediatric Neurology
Project /Research Experiences	1. Mikrokapsul Asam Sinamat dari Minyak Atsiri pada Kayu Manis (*Cinnamomum burmanii*) sebagai Inhibitor Enzim Glutathione-s-transferase (GST) pada *Brugia malayi* dalam Terapi Kuratif Filariasis 2. Isolat Epoxyazadiradione dari Pohon Mimba (*Azadirachta indica*) sebagai Inhibitor Tautomerisasi *Macrophage Migration Inhibitor Factor* (MIF) pada Proses Inflamasi Aterosklerosis
Achievements	1. Gold Medal for Neurology-Psychiatry science, Indonesian Medical Olympiad 2013 2. Gold Medal For Anatomy science Gajahmada Indonesian Science Medical Olympiad 2013 3. Gold Medal for Neurology-Psychiatry science, Indonesian Medical Olympiad 2014