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LAMPIRAN

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.278 /EC/FK-RSDK/2014

Komisi Etik Penelitian Kesehatan Fakultas Kedokteran Universitas Diponegoro- RSUP. Dr. Kariadi Sem

PENGARUH PAPARAN OBAT NYAMUK TERHADAP GAMBARAN HISTOPATOLOGI SEL LEYDIG TIKUS SPRAGUE DAWLEY

Peneliti Utama	:	Fariz Eka Setiawan
Pembimbing	:	1. Dr.dr. Tri Indah Winarni, M.Si.Med, PA 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% bufer dengan volume minimal 5 kali volume jaringan
2) Testis yang telah diambil, segera di masukkan kedalam 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 keteblan maksimal 3-4 cm
6) Setelah dipotong diletakkan di dalam kaset jaringan, dan dimasukkan ke wadah yang berisi formalin 10% bufer
7) Dilakukan proses pembuatan blok parafin, kemudian didinginkan di dalam lemari es
8) Blok parafin dipotong menjadi lebih tipis menggunakan microtome sesuai kebutuhan
9) Pita parafin dimekarkan dengan ditempelkan langsung pada kaca benda yang telah dibasahi dengan air
10) Dimulai proses pengecatan dengan Hematoxylin Eosin
11) Preparat diberi cat Hematoxylin
12) Kemudian di diferensiasi 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. Analisis data

1. *Reability test*

Case Processing Summary

		N	%
Cases	Valid	20	100,0
	Excluded[a]	0	,0
	Total	20	100,0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	N of Items
,955	2

2. Karakteristik sampel

Descriptives

	kelompok perlakuan			Statistic	Std. Error
jumlah sel leydig	1	Mean		513,20	26,740
		95% Confidence Interval for Mean	Lower Bound	438,96	
			Upper Bound	587,44	
		5% Trimmed Mean		515,22	
		Median		532,00	
		Variance		3575,200	
		Std. Deviation		59,793	
		Minimum		416	
		Maximum		574	
		Range		158	
		Interquartile Range		97	
		Skewness		-1,303	,913
		Kurtosis		2,129	2,000
	2	Mean		648,60	12,933
		95% Confidence Interval for Mean	Lower Bound	612,69	
			Upper Bound	684,51	
		5% Trimmed Mean		649,06	

		Median		645,00	
		Variance		836,300	
		Std. Deviation		28,919	
		Minimum		606	
		Maximum		683	
		Range		77	
		Interquartile Range		50	
		Skewness		-,544	,913
		Kurtosis		,555	2,000
		Mean		578,60	11,784
		95% Confidence Interval for Mean	Lower Bound	545,88	
			Upper Bound	611,32	
		5% Trimmed Mean		578,72	
		Median		576,00	
		Variance		694,300	
	3	Std. Deviation		26,350	
		Minimum		544	
		Maximum		611	
		Range		67	
		Interquartile Range		50	
		Skewness		-,085	,913
		Kurtosis		-1,040	2,000
		Mean		542,80	7,479
		95% Confidence Interval for Mean	Lower Bound	522,03	
			Upper Bound	563,57	
		5% Trimmed Mean		542,61	
		Median		540,00	
		Variance		279,700	
	4	Std. Deviation		16,724	
		Minimum		526	
		Maximum		563	
		Range		37	
		Interquartile Range		33	
		Skewness		,276	,913
		Kurtosis		-2,650	2,000

		Mean		571,60	14,542
		95% Confidence Interval for Mean	Lower Bound	531,23	
			Upper Bound	611,97	
		5% Trimmed Mean		572,28	
		Median		579,00	
		Variance		1057,300	
	5	Std. Deviation		32,516	
		Minimum		521	
		Maximum		610	
		Range		89	
		Interquartile Range		53	
		Skewness		-,867	,913
		Kurtosis		1,779	2,000

3. Tes normalitas

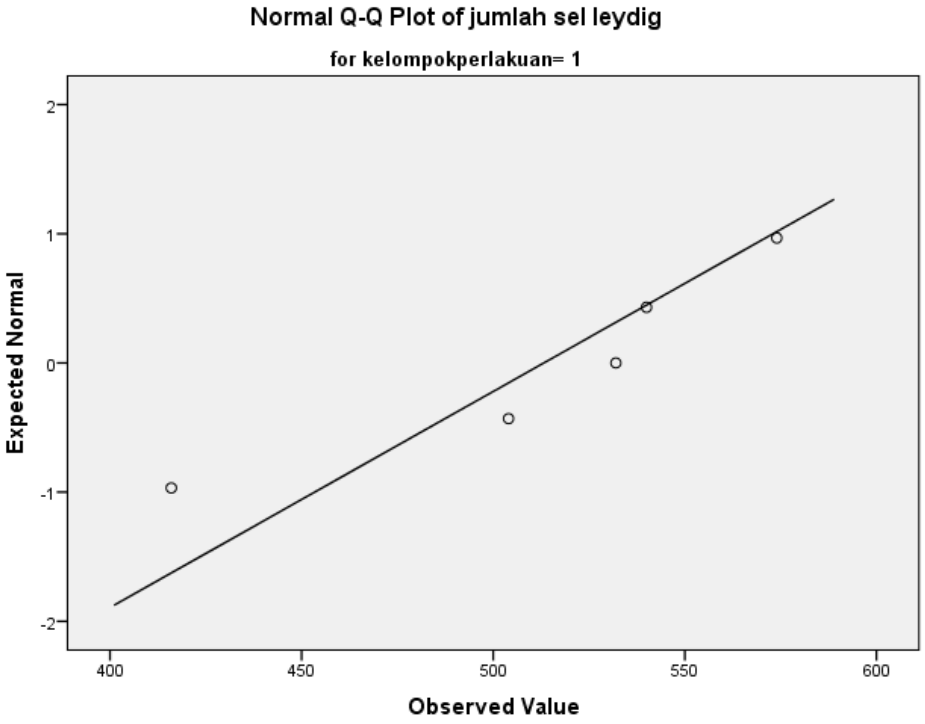
Tests of Normality

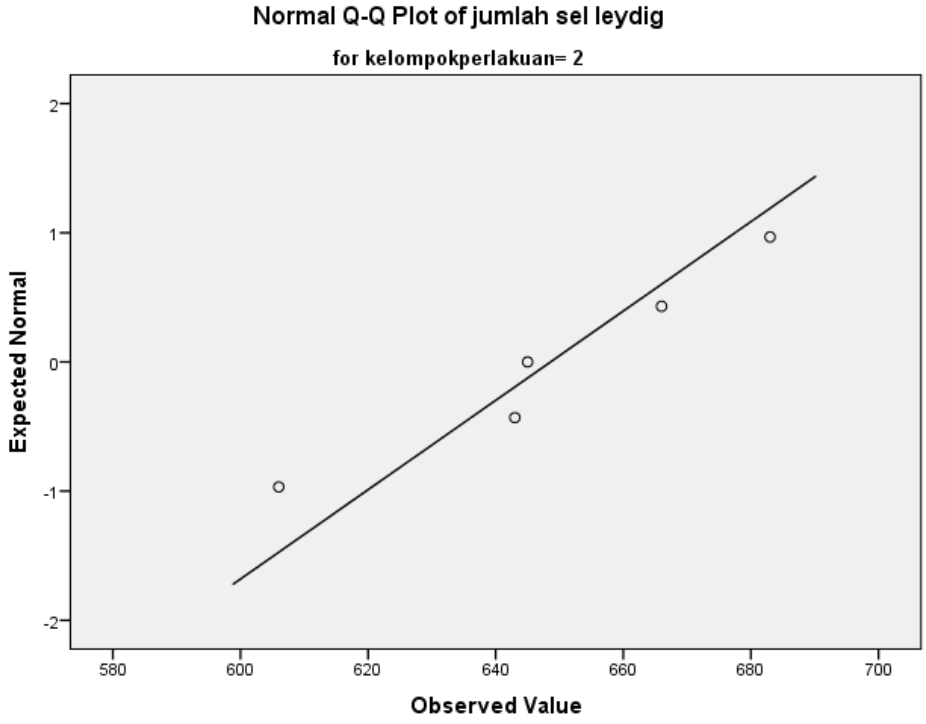
	kelompok perlakuan	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	Df	Sig.	Statistic	df	Sig.
jumlah sel leydig	1	,239	5	,200*	,904	5	,432
	2	,223	5	,200*	,962	5	,822
	3	,158	5	,200*	,983	5	,951
	4	,212	5	,200*	,892	5	,367
	5	,232	5	,200*	,939	5	,658

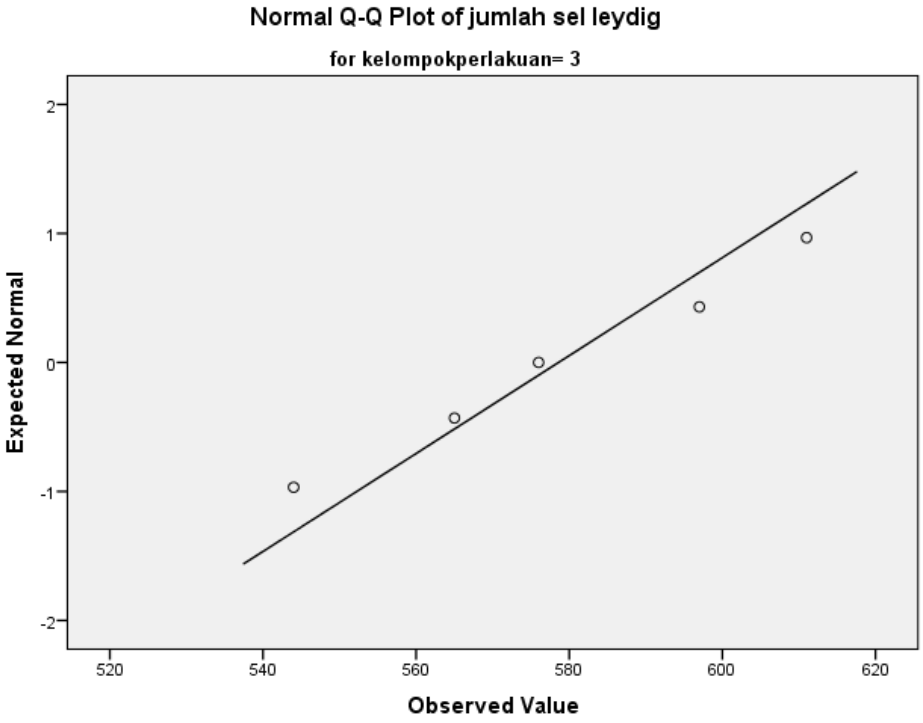
*. This is a lower bound of the true significance.

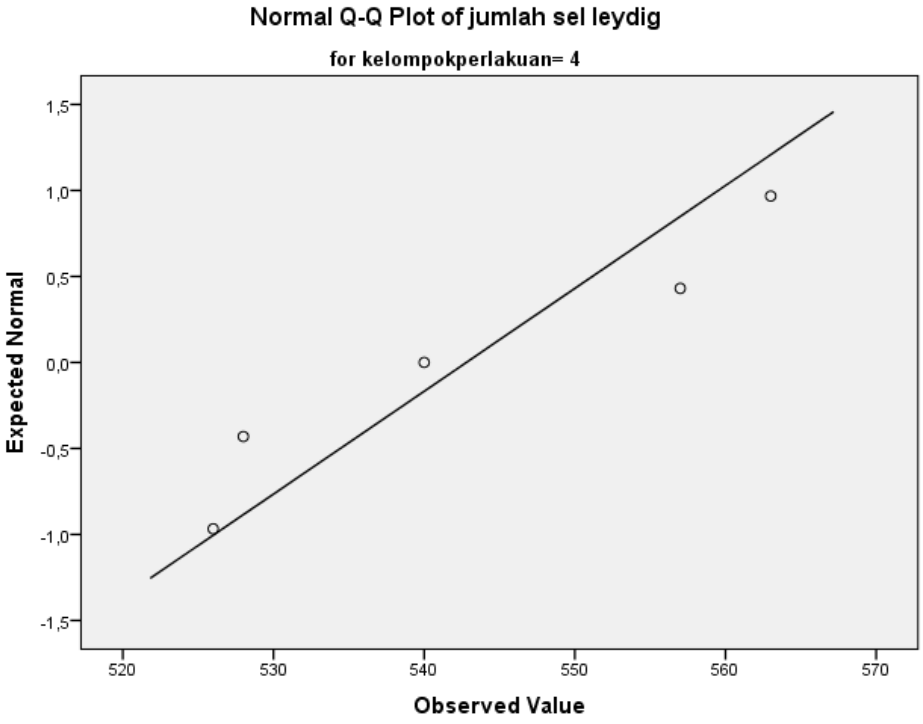
a. Lilliefors Significance Correction

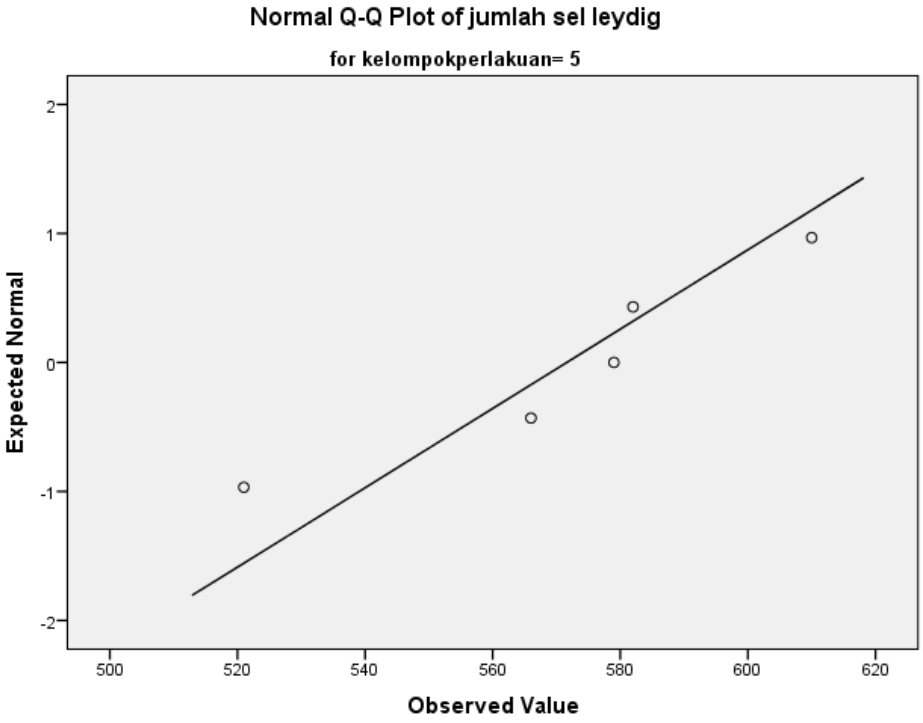
4. Plot


Normal Q-Q Plot of jumlah sel leydig
for kelompokperlakuan= 1
Expected Normal
Observed Value
2
1
0
-1
-2
400
450
500
550
600

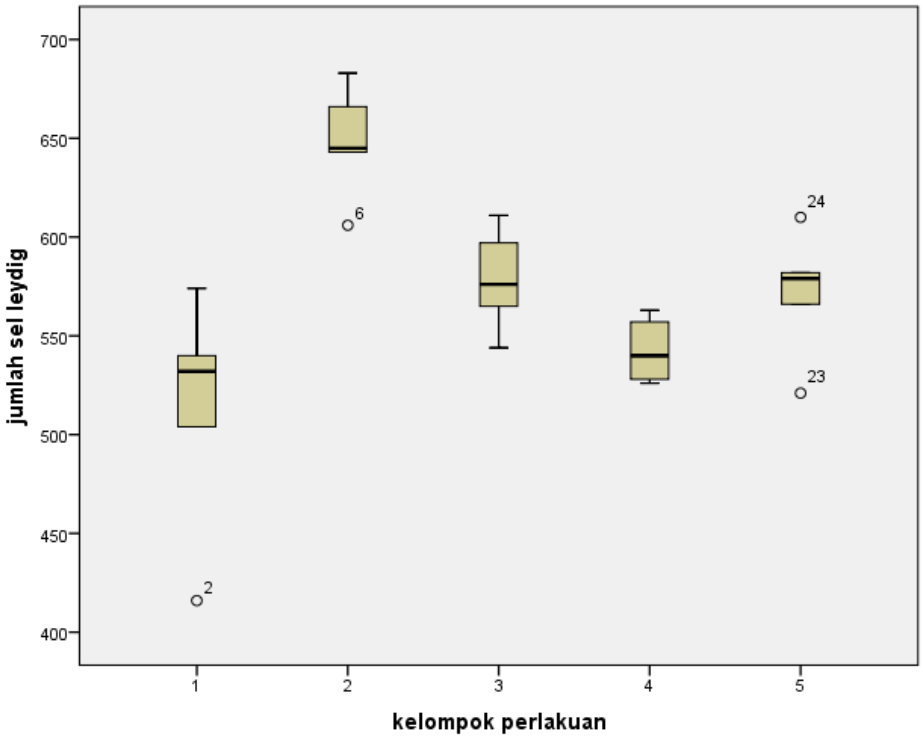

Normal Q-Q Plot of jumlah sel leydig
for kelompokperlakuan= 2
Expected Normal
Observed Value
2
1
0
-1
-2
580
600
620
640
660
680
700


Normal Q-Q Plot of jumlah sel leydig
for kelompokperlakuan= 3
Expected Normal
Observed Value
2
1
0
-1
-2
520
540
560
580
600
620


Normal Q-Q Plot of jumlah sel leydig
for kelompokperlakuan= 4
Expected Normal
Observed Value
1,5
1,0
0,5
0,0
-0,5
-1,0
-1,5
520
530
540
550
560
570


Normal Q-Q Plot of jumlah sel leydig
for kelompokperlakuan= 5
Expected Normal
Observed Value
2
1
0
-1
-2
500
520
540
560
580
600
620

5. Boxplots


jumlah sel leydig
kelompok perlakuan
700
650
600
550
500
450
400
1
2
3
4
5
6
24
23
2

6. One Way ANOVA

Test of Homogeneity of Variances

jumlah sel leydig

Levene Statistic	df1	df2	Sig.
1,318	4	20	,297

ANOVA

jumlah sel leydig

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	51079,760	4	12769,940	9,910	,000
Within Groups	25771,200	20	1288,560		
Total	76850,960	24			

7. Post Hoc tes

Multiple Comparisons

Dependent Variable: jumlah sel leydig

LSD

(I) kelompok perlakuan	(J) kelompok perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
1	2	-135,400*	22,703	,000	-182,76	-88,04
	3	-65,400*	22,703	,009	-112,76	-18,04
	4	-29,600	22,703	,207	-76,96	17,76
	5	-58,400*	22,703	,018	-105,76	-11,04
2	1	135,400*	22,703	,000	88,04	182,76
	3	70,000*	22,703	,006	22,64	117,36
	4	105,800*	22,703	,000	58,44	153,16
	5	77,000*	22,703	,003	29,64	124,36
3	1	65,400*	22,703	,009	18,04	112,76
	2	-70,000*	22,703	,006	-117,36	-22,64
	4	35,800	22,703	,131	-11,56	83,16
	5	7,000	22,703	,761	-40,36	54,36
4	1	29,600	22,703	,207	-17,76	76,96
	2	-105,800*	22,703	,000	-153,16	-58,44
	3	-35,800	22,703	,131	-83,16	11,56
	5	-28,800	22,703	,219	-76,16	18,56
5	1	58,400*	22,703	,018	11,04	105,76
	2	-77,000*	22,703	,003	-124,36	-29,64
	3	-7,000	22,703	,761	-54,36	40,36
	4	28,800	22,703	,219	-18,56	76,16

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

Lampiran 4.

Curriculum Vitae

Personal Information

Name	Fariz Eka Setiawan
Address	Lempongsari Barat IV no. 320A Semarang
Telephone	081215215973
E-mail address	farizekasetiawan@gmail.com
Nationality	Indonesia
Date of birth	29th of January 1993
Gender	Male
Status	Unmarried
Year of recent medical student	8th semeter of medical students

Education

1999 - 2005, SD Negeri Tempelan 2 Blora, Jawa Tengah

2005 - 2008, SMP Negeri 1 Blora, Jawa Tengah

2008 - 2010, SMA Negeri 1 Semarang, Jawa Tengah (acceleration class program)

2010 - present, Faculty of Medicine Diponegoro University

FORM PENILAIAN HISTOPATOLOGI KARYA TULIS ILMIAH

Pengaruh Paparan Obat Nyamuk terhadap Gambaran Histopatologi Sel Leydig Tikus Sprague Dawley

Nomer: Kode Preparat: Grup perlakuan: Tanggal pengamatan: Pengamat: Paraf:

Lapangan pandang 1				Lapangan pandang 2				Lapangan pandang 3			
Jumlah Sel				Jumlah sel				Jumlah sel			
Morfologi				Morfologi				Morfologi			
Bentuk	MS	STP	IS	bentuk	MS	STP	IS	Bentuk	MS	STP	IS

Lapangan pandang 4				Lapangan pandang 5			
Jumlah Sel				Jumlah sel			
Morfologi				Morfologi			
Bentuk	MS	STP	IS	bentuk	MS	STP	IS

Keterangan :

MS : membran Sel

STP : Sitoplasma

IS : Inti sel