Lampiran 1

Fakultas Kedokteran dan Ilmu Kesehatan
Universitas Muhammadiyah Yogyakarta

SURAT KETERANGAN
KELAYAKAN ETIKA PENELITIAN
Nomor : 173/EP-FKIK-UMY/V/2016

Komisi Etika Penelitian Fakultas Kedokteran dan Ilmu Kesehatan Universitas Muhammadiyah Yogyakarta yang terdiri atas :

1. Prof. dr.H. Djauhar Ismail, Sp.A(K)., Ph.D.
2. Prof.Dr.dr.H. Soewito A, Sp.THT-KL
3. drg. Ana Medawati, M.Kes
4. drh. Tri Wulandari, M.Kes
5. Dr. dr. Titiek Hidayati, M. Kes
6. Dr. dr. Tri Wahyuliati, Sp. S., M. Kes
7. Titih Huriah, Ns., M. Kep., Sp. Kom
8. Dr. drg. Tita Ratya Utari, Sp. Ort
9. Sabtanti Harimurti, Ph. D., Apt
10. Dr. dr. Arlina Dewi, MMR
11. Yuni Permatasari Istanti, S. Kep. Ns., Sp. KMB
12. Dra. Irma Risdiyana, Apt., MPH
13. dr. Inayati Habib, Sp. MK., M. Kes

Telah mengkaji permohonan kelayakan etika penelitian yang diajukan oleh :

Nama Peneliti	: **Yusuf Susanto**	**(20130310140)**
	Hendrian Ade Hardianto	**(20130310156)**
	Rijal Dwika Saputro	**(20130310072)**
	Aulia Rahmah	**(20130310059)**
	Ira Safira	**(20140310152)**
Judul Penelitian	: **Uji Potensi Ikan Kembung (*Rastrellinger sp*) Terhadap Memori Spasial Pada Tikus Putih Hipotiroid Kongenital**	
Pada Tanggal	: **02 Mei 2016**	
Dengan Hasil	: **Layak Etik**	

Demikian surat keterangan ini diberikan untuk dapat digunakan sebagaimana mestinya.

Yogyakarta, 03 Mei 2016

Sekretaris,

Dr. dr. Titiek Hidayati, M. Kes

Kampus:
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Lampiran 2

Case Processing Summary

		Cases					
		Valid		Missing		Total	
	Kelompok	N	Percent	N	Percent	N	Percent
Jumlah	Normal	5	100.0%	0	.0%	5	100.0%
	Normal Kembung	5	100.0%	0	.0%	5	100.0%
	PTU	5	100.0%	0	.0%	5	100.0%
	PTU Kembung	5	100.0%	0	.0%	5	100.0%
	Tiroksin	5	100.0%	0	.0%	5	100.0%
	PTU Tiroksin Kembung	5	100.0%	0	.0%	5	100.0%

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Jumlah	30	100.0%	0	.0%	30	100.0%

Descriptives

	Kelompok			Statistic	Std. Error
Jumlah	Normal	Mean		59.60	3.709
		95% Confidence Interval for Mean	Lower Bound	49.30	
			Upper Bound	69.90	
		5% Trimmed Mean		59.67	
		Median		60.00	
		Variance		68.800	
		Std. Deviation		8.295	
		Minimum		48	
		Maximum		70	
		Range		22	
		Interquartile Range		15	
		Skewness		-.290	.913
		Kurtosis		.014	2.000
	Normal Kembung	Mean		70.80	5.152
		95% Confidence Interval for Mean	Lower Bound	56.50	
			Upper Bound	85.10	
		5% Trimmed Mean		70.39	
		Median		64.00	
		Variance		132.700	
		Std. Deviation		11.520	
		Minimum		62	
		Maximum		87	
		Range		25	
		Interquartile Range		21	
		Skewness		.852	.913
		Kurtosis		-1.787	2.000
	PTU	Mean		39.40	2.227

	95% Confidence Interval for Mean	Lower Bound	33.22	
		Upper Bound	45.58	
	5% Trimmed Mean		39.33	
	Median		38.00	
	Variance		24.800	
	Std. Deviation		4.980	
	Minimum		34	
	Maximum		46	
	Range		12	
	Interquartile Range		10	
	Skewness		.454	.913
	Kurtosis		-1.795	2.000
PTU Kembung	Mean		63.60	2.600
	95% Confidence Interval for Mean	Lower Bound	56.38	
		Upper Bound	70.82	
	5% Trimmed Mean		63.61	
	Median		63.00	
	Variance		33.800	
	Std. Deviation		5.814	
	Minimum		57	
	Maximum		70	
	Range		13	
	Interquartile Range		12	
	Skewness		.073	.913
	Kurtosis		-2.668	2.000
Tiroksin	Mean		69.60	6.431
	95% Confidence Interval for Mean	Lower Bound	51.74	
		Upper Bound	87.46	
	5% Trimmed Mean		69.67	
	Median		69.00	

	Variance		206.800	
	Std. Deviation		14.381	
	Minimum		53	
	Maximum		85	
	Range		32	
	Interquartile Range		28	
	Skewness		-.011	.913
	Kurtosis		-2.665	2.000
PTU Tiroksin Kembung	Mean		64.60	5.784
	95% Confidence Interval for Mean	Lower Bound	48.54	
		Upper Bound	80.66	
	5% Trimmed Mean		65.06	
	Median		71.00	
	Variance		167.300	
	Std. Deviation		12.934	
	Minimum		45	
	Maximum		76	
	Range		31	
	Interquartile Range		23	
	Skewness		-1.055	.913
	Kurtosis		-.273	2.000

Descriptives

			Statistic	Std. Error
Jumlah	Mean		61.27	2.588
	95% Confidence Interval for Mean	Lower Bound	55.97	
		Upper Bound	66.56	
	5% Trimmed Mean		61.35	
	Median		62.00	
	Variance		200.892	
	Std. Deviation		14.174	
	Minimum		34	
	Maximum		87	
	Range		53	
	Interquartile Range		18	
	Skewness		-.154	.427
	Kurtosis		-.502	.833

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Kelompok	Statistic	df	Sig.	Statistic	df	Sig.
Jumlah	Normal	.132	5	.200*	.996	5	.995
	Normal Kembung	.323	5	.097	.809	5	.095
	PTU	.211	5	.200*	.942	5	.678
	PTU Kembung	.224	5	.200*	.904	5	.431
	Tiroksin	.224	5	.200*	.901	5	.416
	PTU Tiroksin Kembung	.290	5	.198	.877	5	.295

a. Lilliefors Significance Correction

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

Tests of Normality

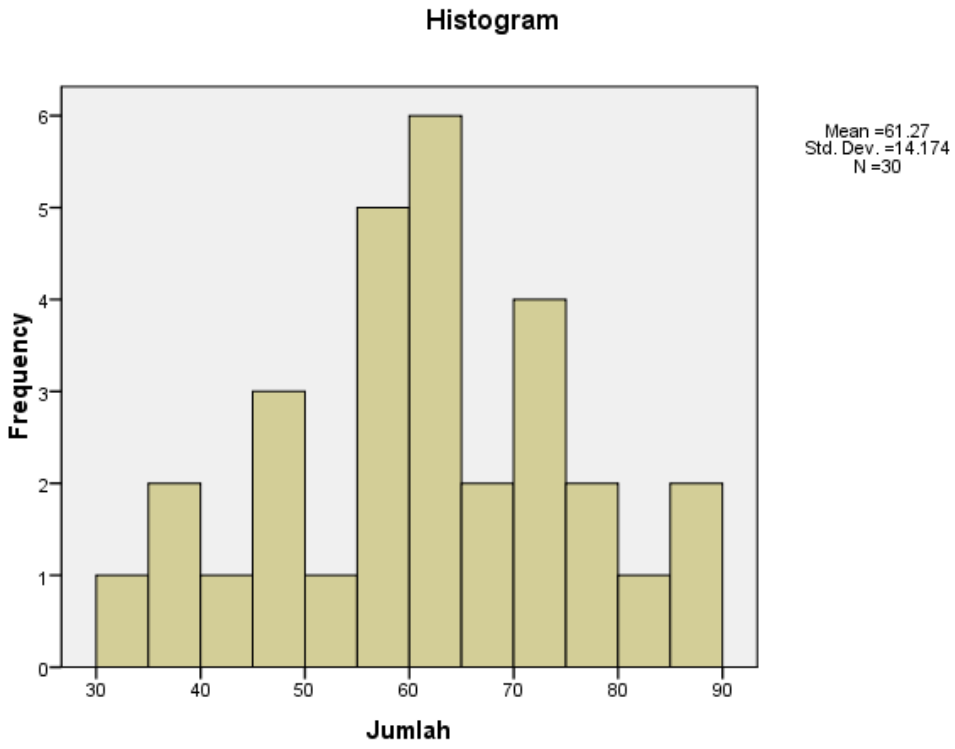
	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Jumlah	.088	30	.200*	.976	30	.704

a. Lilliefors Significance Correction

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

Test of Homogeneity of Variance

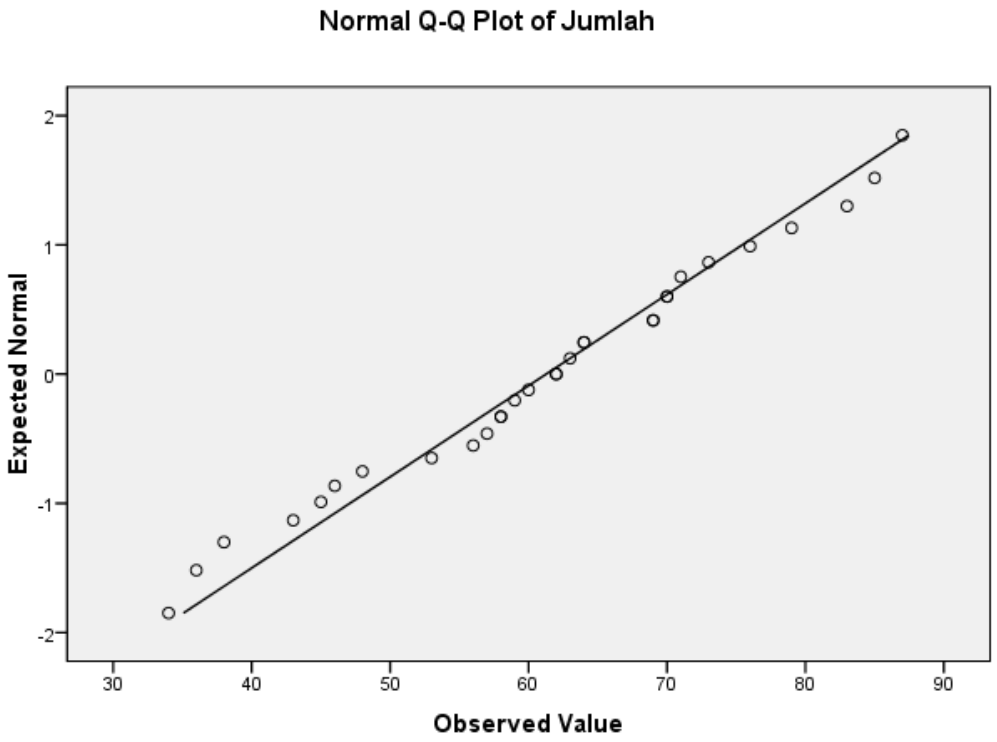
		Levene Statistic	df1	df2	Sig.
Jumlah	Based on Mean	2.621	5	24	.050
	Based on Median	.854	5	24	.525
	Based on Median and with adjusted df	.854	5	13.976	.535
	Based on trimmed mean	2.489	5	24	.060

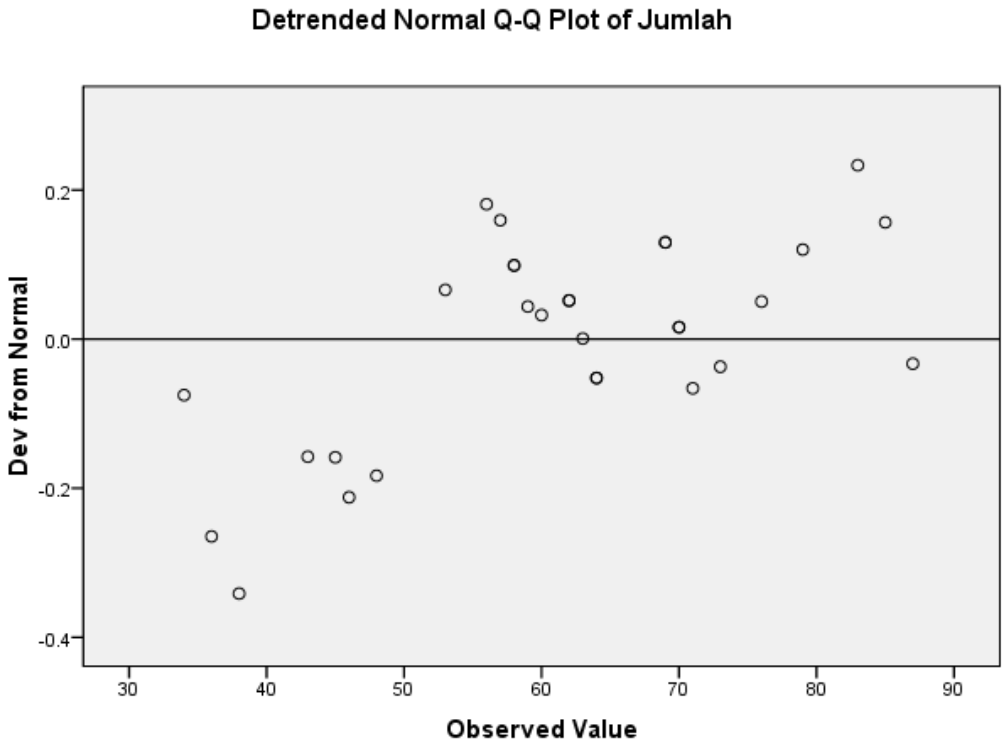


Jumlah Stem-and-Leaf Plot

Frequency	Stem &	Leaf
3.00	3 .	468
4.00	4 .	3568
6.00	5 .	367889
8.00	6 .	02234499
6.00	7 .	001369
3.00	8 .	357

Stem width: 10
Each leaf: 1 case(s)





ANOVA

Jumlah

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	3289.067	5	657.813	6.223	.001
Within Groups	2536.800	24	105.700		
Total	5825.867	29			

Multiple Comparisons

Jumlah

Tukey HSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Normal	Normal Kembung	-11.200	6.502	.531	-31.30	8.90
	PTU	20.200*	6.502	.048	.10	40.30
	PTU Kembung	-4.000	6.502	.989	-24.10	16.10
	Tiroksin	-10.000	6.502	.644	-30.10	10.10
	PTU Tiroksin Kembung	-5.000	6.502	.970	-25.10	15.10
Normal Kembung	Normal	11.200	6.502	.531	-8.90	31.30
	PTU	31.400*	6.502	.001	11.30	51.50
	PTU Kembung	7.200	6.502	.874	-12.90	27.30
	Tiroksin	1.200	6.502	1.000	-18.90	21.30
	PTU Tiroksin Kembung	6.200	6.502	.928	-13.90	26.30
PTU	Normal	-20.200*	6.502	.048	-40.30	-.10
	Normal Kembung	-31.400*	6.502	.001	-51.50	-11.30
	PTU Kembung	-24.200*	6.502	.012	-44.30	-4.10
	Tiroksin	-30.200*	6.502	.001	-50.30	-10.10
	PTU Tiroksin Kembung	-25.200*	6.502	.008	-45.30	-5.10
PTU Kembung	Normal	4.000	6.502	.989	-16.10	24.10
	Normal Kembung	-7.200	6.502	.874	-27.30	12.90
	PTU	24.200*	6.502	.012	4.10	44.30
	Tiroksin	-6.000	6.502	.937	-26.10	14.10
	PTU Tiroksin Kembung	-1.000	6.502	1.000	-21.10	19.10

Tiroksin	Normal	10.000	6.502	.644	-10.10	30.10
	Normal Kembung	-1.200	6.502	1.000	-21.30	18.90
	PTU	30.200*	6.502	.001	10.10	50.30
	PTU Kembung	6.000	6.502	.937	-14.10	26.10
	PTU Tiroksin Kembung	5.000	6.502	.970	-15.10	25.10
PTU Tiroksin Kembung	Normal	5.000	6.502	.970	-15.10	25.10
	Normal Kembung	-6.200	6.502	.928	-26.30	13.90
	PTU	25.200*	6.502	.008	5.10	45.30
	PTU Kembung	1.000	6.502	1.000	-19.10	21.10
	Tiroksin	-5.000	6.502	.970	-25.10	15.10

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

Homogeneous Subsets

Jumlah

Tukey HSD

Kelompok	N	Subset for alpha = 0.05	
		1	2
PTU	5	39.40	
Normal	5		59.60
PTU Kembung	5		63.60
PTU Tiroksin Kembung	5		64.60
Tiroksin	5		69.60
Normal Kembung	5		70.80
Sig.		1.000	.531

Means for groups in homogeneous subsets are displayed.