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## DAFTAR LAMPIRAN

### Lampiran 1. Ethical Clearance

	<p><b>KOMISI ETIK PENELITIAN KESEHATAN (KEPK) FAKULTAS KEDOKTERAN UNIVERSITAS DIPONEGORO DAN RSUP dr KARIADI SEMARANG</b> Sekretariat : Kantor Dekanat FK Undip Lt.3 Jl. Dr. Soelamo 18, Semarang Telp.024-8311523/Fax. 024-8446905</p>	
<p><b>ETHICAL CLEARANCE</b> No.346 /EC/FK-RSDK/2014</p>		
<p>Komisi Etik Penelitian Kesehatan Fakultas Kedokteran Universitas Diponegoro- RSUP, Dr. Kariadi Semarang, setelah membaca dan menelaah USULAN Penelitian dengan judul :</p>		
<p><b>PERBANDINGAN ANTARA DURASI WAKTU PEMBEKUAN TERHADAP TERJADINYA PEMBUSUKAN JARINGAN GINJAL PADA KELINCI</b></p>		
Peneliti Utama :	Onne Firthyo	
Pembimbing :	dr. Intarniali Nur Rahmah, Sp.KF, M.Sl.Med	
Penelitian :	Dilaksanakan di Laboratorium Patologi Anatomi dan Laboratorium Forensik Fakultas Kedokteran UNDIP Semarang	
<p>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.</p>		
<p>Pada laporan akhir peneliti harus melampirkan cara pemeliharaan &amp; dekapitasi hewan coba dan melaporkan ke KEPK bahwa penelitian sudah selesai di lampiri Abstrak Penelitian.</p>		
<p>Semarang, 05 JUN 2014</p>		
<p>Komisi Etik Penelitian Kesehatan Fakultas Kedokteran Undip-RSUP Dr. Kariadi Ketua</p> 		
<p>Prof. Dr. dr. Suprihadi, M.Sc., Sp.THT-KL(K) NIP. 19500621197703 2 001</p>		

## Lampiran 2. Hasil Analisis Data (*Output* Analisis Program Statistik)

### Explore

### Sel lisis

#### Case Summaries

Skor

Kelompok	N	Mean	Std. Deviation	Median	Minimum	Maximum
K1	4	5,00	,000	5,00	5	5
K2	4	20,00	,000	20,00	20	20
P1	4	5,00	,000	5,00	5	5
P2	4	14,50	,577	14,50	14	15
P3	4	20,00	,000	20,00	20	20
P4	4	7,25	1,258	7,00	6	9
P5	4	11,00	,816	11,00	10	12
P6	4	20,00	,000	20,00	20	20
Total	32	12,84	6,386	13,00	5	20

#### Tests of Normality<sup>b,c,d,e,f</sup>

Kelompok	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Skor P2	,307	4	.	,729	4	,024
P4	,329	4	.	,895	4	,406
P5	,250	4	.	,945	4	,683

a. Lilliefors Significance Correction

b. Skor is constant when Kelompok = K1. It has been omitted.

c. Skor is constant when Kelompok = K2. It has been omitted.

d. Skor is constant when Kelompok = P1. It has been omitted.

e. Skor is constant when Kelompok = P3. It has been omitted.

f. Skor is constant when Kelompok = P6. It has been omitted.

**Test of Homogeneity of Variance<sup>a,b,c,d,e</sup>**

		Levene Statistic	df1	df2	Sig.
Skor	Based on Mean	,628	2	9	,556
	Based on Median	,200	2	9	,822
	Based on Median and with adjusted df	,200	2	4,927	,825
	Based on trimmed mean	,561	2	9	,589

- a. Skor is constant when Kelompok = K1. It has been omitted.
- b. Skor is constant when Kelompok = K2. It has been omitted.
- c. Skor is constant when Kelompok = P1. It has been omitted.
- d. Skor is constant when Kelompok = P3. It has been omitted.
- e. Skor is constant when Kelompok = P6. It has been omitted.

## NPar Tests

### Kruskal-Wallis Test

**Ranks**

		Kelompok	N	Mean Rank
Skor	K1		4	4,50
	K2		4	26,50
	P1		4	4,50
	P2		4	18,50
	P3		4	26,50
	P4		4	10,50
	P5		4	14,50
	P6		4	26,50
Total			32	

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

		Skor
Chi-Square		30,841
df		7
Asymp. Sig.		,000

- a. Kruskal Wallis Test
- b. Grouping Variable: Kelompok

## NPar Tests

### Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Skor	K1	4	2.50	10.00
	K2	4	6.50	26.00
	Total	8		

Test Statistics<sup>b</sup>

	Skor
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.646
Asymp. Sig. (2-tailed)	.008
Exact Sig. [2*(1-tailed Sig.)]	.029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: Kelompok

## NPar Tests

### Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Skor	K1	4	4.50	18.00
	P1	4	4.50	18.00
	Total	8		

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

	Skor
Mann-Whitney U	8.000
Wilcoxon W	18.000
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

**NPar Tests****Mann-Whitney Test****Ranks**

	Kelompok	N	Mean Rank	Sum of Ranks
Skor	K1	4	2.50	10.00
	P2	4	6.50	26.00
	Total	8		

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

	Skor
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.494
Asymp. Sig. (2-tailed)	.013
Exact Sig. [2*(1-tailed Sig.)]	.029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: Kelompok

**NPar Tests**



## Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Skor	K1	4	2,50	10,00
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## NPar Tests

### Mann-Whitney Test

Ranks

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a. Not corrected for ties.

b. Grouping Variable: Kelompok

## NPar Tests

### Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Skor	K1	4	2.50	10.00
	P5	4	6.50	26.00
	Total	8		

Test Statistics<sup>b</sup>

	Skor
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.477
Asymp. Sig. (2-tailed)	.013
Exact Sig. [2*(1-tailed Sig.)]	.029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: Kelompok

## NPar Tests

### Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Skor	K1	4	2.50	10.00
	P6	4	6.50	26.00
	Total	8		

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

	Skor
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.646
Asymp. Sig. (2-tailed)	.008
Exact Sig. [2*(1-tailed Sig.)]	.029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: Kelompok

**NPar Tests****Mann-Whitney Test****Ranks**

	Kelompok	N	Mean Rank	Sum of Ranks
Skor	K2	4	6.50	26.00
	P1	4	2.50	10.00
	Total	8		

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

	Skor
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.646
Asymp. Sig. (2-tailed)	.008
Exact Sig. [2*(1-tailed Sig.)]	.029 <sup>a</sup>

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**NPar Tests****Mann-Whitney Test**

**Ranks**

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**NPar Tests****Mann-Whitney Test****Ranks**

	Kelompok	N	Mean Rank	Sum of Ranks
Skor	K2	4	4,50	18,00
	P3	4	4,50	18,00
	Total	8		

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

	Skor
Mann-Whitney U	8,000
Wilcoxon W	18,000
Z	,000
Asymp. Sig. (2-tailed)	1,000
Exact Sig. [2*(1-tailed Sig.)]	1,000 <sup>a</sup>

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b. Grouping Variable: Kelompok

**NPar Tests****Mann-Whitney Test****Ranks**

	Kelompok	N	Mean Rank	Sum of Ranks
Skor	K2	4	6.50	26.00
	P4	4	2.50	10.00
	Total	8		

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

	Skor
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.477
Asymp. Sig. (2-tailed)	.013
Exact Sig. [2*(1-tailed Sig.)]	.029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: Kelompok

**NPar Tests****Mann-Whitney Test**

**Ranks**

	Kelompok	N	Mean Rank	Sum of Ranks
Skor	K2	4	6.50	26.00
	P5	4	2.50	10.00
	Total	8		

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

	Skor
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.477
Asymp. Sig. (2-tailed)	.013
Exact Sig. [2*(1-tailed Sig.)]	.029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: Kelompok

**NPar Tests****Mann-Whitney Test****Ranks**

	Kelompok	N	Mean Rank	Sum of Ranks
Skor	K2	4	4.50	18.00
	P6	4	4.50	18.00
	Total	8		

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

	Skor
Mann-Whitney U	8.000
Wilcoxon W	18.000
Z	.000
Asymp. Sig. (2-tailed)	1.000
Exact Sig. [2*(1-tailed Sig.)]	1.000 <sup>a</sup>

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b. Grouping Variable: Kelompok

**NPar Tests****Mann-Whitney Test****Ranks**

	Kelompok	N	Mean Rank	Sum of Ranks
Skor	P1	4	2.50	10.00
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	Total	8		

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a. Not corrected for ties.

b. Grouping Variable: Kelompok

**NPar Tests****Mann-Whitney Test**

**Ranks**

	Kelompok	N	Mean Rank	Sum of Ranks
Skor	P1	4	2,50	10,00
	P3	4	6,50	26,00
	Total	8		

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

	Skor
Mann-Whitney U	,000
Wilcoxon W	10,000
Z	-2,646
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Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>a</sup>

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b. Grouping Variable: Kelompok

**NPar Tests****Mann-Whitney Test****Ranks**

	Kelompok	N	Mean Rank	Sum of Ranks
Skor	P1	4	2.50	10.00
	P4	4	6.50	26.00
	Total	8		



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

	Skor
Mann-Whitney U	.000
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**NPar Tests****Mann-Whitney Test****Ranks**

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Skor	P1	4	2.50	10.00
	P5	4	6.50	26.00
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**Test Statistics<sup>b</sup>**

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b. Grouping Variable: Kelompok

**NPar Tests****Mann-Whitney Test**

**Ranks**

	Kelompok	N	Mean Rank	Sum of Ranks
Skor	P1	4	2.50	10.00
	P6	4	6.50	26.00
	Total	8		

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

	Skor
Mann-Whitney U	.000
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Z	-2.646
Asymp. Sig. (2-tailed)	.008
Exact Sig. [2*(1-tailed Sig.)]	.029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: Kelompok

**NPar Tests****Mann-Whitney Test****Ranks**

	Kelompok	N	Mean Rank	Sum of Ranks
Skor	P2	4	2,50	10,00
	P3	4	6,50	26,00
	Total	8		

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

	Skor
Mann-Whitney U	,000
Wilcoxon W	10,000
Z	-2,494
Asymp. Sig. (2-tailed)	,013
Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: Kelompok

**NPar Tests****Mann-Whitney Test****Ranks**

	Kelompok	N	Mean Rank	Sum of Ranks
Skor	P2	4	6.50	26.00
	P4	4	2.50	10.00
	Total	8		

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

	Skor
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.352
Asymp. Sig. (2-tailed)	.019
Exact Sig. [2*(1-tailed Sig.)]	.029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: Kelompok

**NPar Tests****Mann-Whitney Test**

**Ranks**

	Kelompok	N	Mean Rank	Sum of Ranks
Skor	P2	4	6.50	26.00
	P5	4	2.50	10.00
	Total	8		

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

	Skor
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.352
Asymp. Sig. (2-tailed)	.019
Exact Sig. [2*(1-tailed Sig.)]	.029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: Kelompok

**NPar Tests****Mann-Whitney Test****Ranks**

	Kelompok	N	Mean Rank	Sum of Ranks
Skor	P2	4	2.50	10.00
	P6	4	6.50	26.00
	Total	8		

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

	Skor
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.494
Asymp. Sig. (2-tailed)	.013
Exact Sig. [2*(1-tailed Sig.)]	.029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: Kelompok

**NPar Tests****Mann-Whitney Test****Ranks**

	Kelompok	N	Mean Rank	Sum of Ranks
Skor	P3	4	6,50	26,00
	P4	4	2,50	10,00
	Total	8		

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

	Skor
Mann-Whitney U	.000
Wilcoxon W	10,000
Z	-2,477
Asymp. Sig. (2-tailed)	.013
Exact Sig. [2*(1-tailed Sig.)]	.029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: Kelompok

**NPar Tests****Mann-Whitney Test**

**Ranks**

	Kelompok	N	Mean Rank	Sum of Ranks
Skor	P3	4	6,50	26,00
	P5	4	2,50	10,00
	Total	8		

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

	Skor
Mann-Whitney U	,000
Wilcoxon W	10,000
Z	-2,477
Asymp. Sig. (2-tailed)	,013
Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: Kelompok

**NPar Tests****Mann-Whitney Test****Ranks**

	Kelompok	N	Mean Rank	Sum of Ranks
Skor	P3	4	4,50	18,00
	P6	4	4,50	18,00
	Total	8		

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

	Skor
Mann-Whitney U	8,000
Wilcoxon W	18,000
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

**NPar Tests****Mann-Whitney Test****Ranks**

	Kelompok	N	Mean Rank	Sum of Ranks
Skor	P4	4	2.50	10.00
	P5	4	6.50	26.00
	Total	8		

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

	Skor
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.337
Asymp. Sig. (2-tailed)	.019
Exact Sig. [2*(1-tailed Sig.)]	.029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: Kelompok

**NPar Tests****Mann-Whitney Test**

**Ranks**

	Kelompok	N	Mean Rank	Sum of Ranks
Skor	P4	4	2.50	10.00
	P6	4	6.50	26.00
	Total	8		

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

	Skor
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.477
Asymp. Sig. (2-tailed)	.013
Exact Sig. [2*(1-tailed Sig.)]	.029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: Kelompok

**NPar Tests****Mann-Whitney Test****Ranks**

	Kelompok	N	Mean Rank	Sum of Ranks
Skor	P5	4	2.50	10.00
	P6	4	6.50	26.00
	Total	8		



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

	Skor
Mann-Whitney U	.000
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Asymp. Sig. (2-tailed)	.013
Exact Sig. [2*(1-tailed Sig.)]	.029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: Kelompok

### Lampiran 3. Dokumentasi Penelitian



Sampel Kelinci



Kelinci Setelah dilakukan Dislokasi Leher



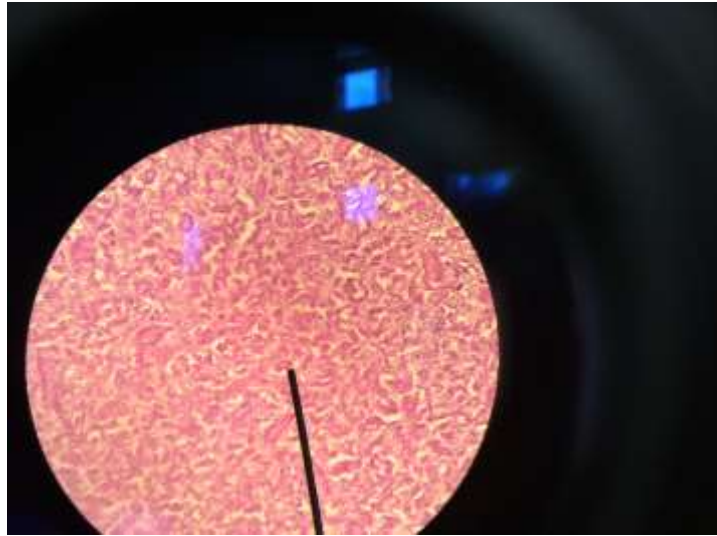
Pemasukan Kelinci kedalam Kulkas



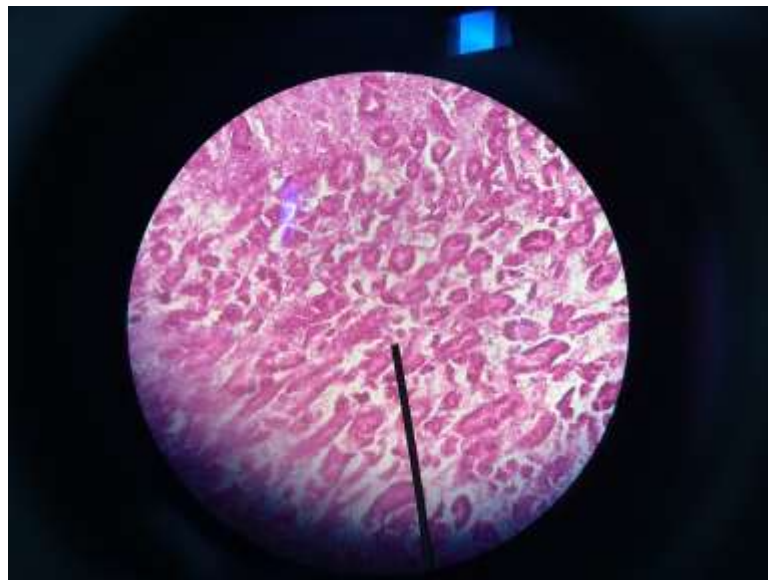
Pengambilan Ginjal Kelinci



Hepar Kelompok P3



Pembusukan sel epitel tubulus Ginjal



Pembusukan setelah dibekukan

#### Lampiran 4. Biodata Mahasiswa

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#### **Riwayat Pendidikan Formal**

1. SD : SD Negeri 4 Purwodadi, Lulus tahun 2004
2. SMP : SMP Negeri 1 Purwodadi, Lulus tahun 2007
3. SMA : SMA Negeri 1 Purwodadi, Lulus tahun 2010
4. FK UNDIP : Masuk tahun 2010