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## LAMPIRAN

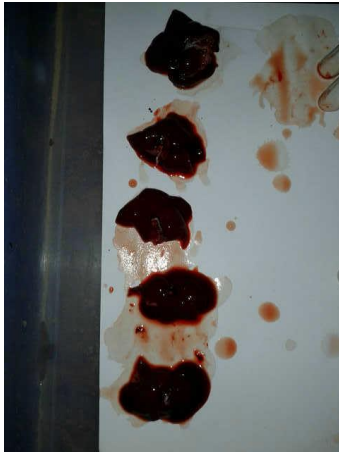
### Lampiran 1. Ethical Clearance

	<p><b>KOMISI ETIK PENELITIAN KESEHATAN (KEPK)</b>  <b>FAKULTAS KEDOKTERAN UNIVERSITAS DIPONEGORO</b>  <b>DAN RSUP dr KARIADI SEMARANG</b>          Sekretariat : Kantor Dekanat FK Undip Lt.3          Jl. Dr. Soetomo 18. Semarang          Telp.024-8311523/Fax. 024-8446905</p>	
<p><b>ETHICAL CLEARANCE</b>  <b>No.290 /EC/FK/RSDK/2013</b></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>PENGARUH PEMBERIAN BORAKS DOSIS BERTINGKAT TERHADAP PERUBAHAN GAMBARAN MIKROSKOPIS HEPAR SELAMA 4 MINGGU DAN 2 MINGGU TANPA BORAKS</b></p>		
<p>Peneliti Utama :</p>	<p>Edward Nurzali</p>	
<p>Pembimbing :</p>	<p>1. dr. Intarniati N.R. Sp.KF, M.Si.Med          2. dr. Arista Hardinisa, Sp.KF</p>	
<p>Penelitian :</p>	<p>Dilaksanakan di Laboratorium Biologi FMIPA Universitas Negeri Semarang untuk pengandangan hewan dan uji pada hewan coba.</p>	
<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</p>		
<p>Semarang, 20 Juni 2013</p>		
<p>Komisi Etik Penelitian Kesehatan          Fakultas Kedokteran Undip/RSUP Dr. Kariadi          Ketua,</p>		
		
<p>Prof. Dr. dr. Suprihati, M.Sc. Sp.THT-KL(K)          NIP. 19500621197703 2 001</p>		

**Lampiran 2. Hasil pemeriksaan makroskopis hepar tikus wistar**



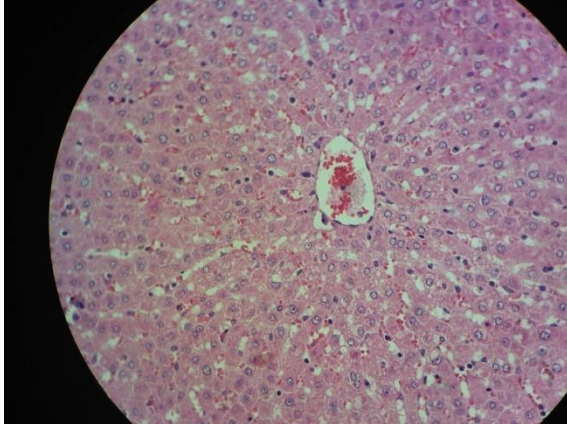
**Kontrol (0mg/kgBB)**



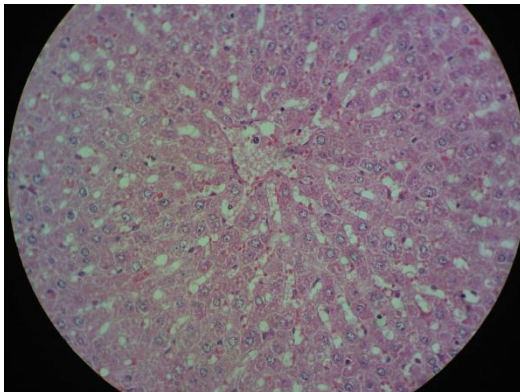
**Kelompok perlakuan 1 (300mg/kgBB)**



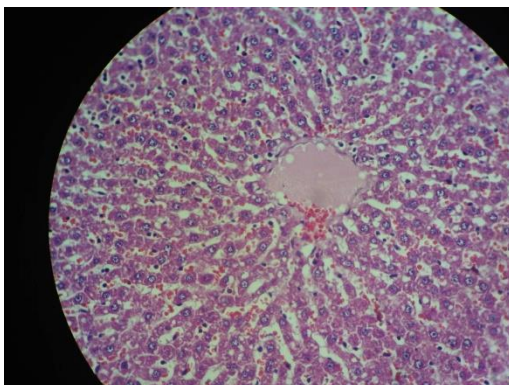
**Lampiran 3. Hasil pemeriksaan mikroskopis hepar tikus wistar**



**Normal**



**Degenerasi parenkimatosa**



**Degenerasi hidropik**



**Nekrosis**

#### Lampiran 4. Hasil Skoring 4 Lapangan Pandang Menurut Kriteria Manja

##### Roenigk

Kelompok	Skoring gambaran histopatologis hepar tikus wistar				
	Lapangan Pandang 1	Lapangan Pandang 2	Lapangan Pandang 3	Lapangan Pandang 4	Rerata
Kelompok Kontrol					
K A	1	1	2	3	
K B	2	2	1	1	
K C	1	1	1	1	
K D	1	1	1	2	
K E	1	1	1	1	
Kelompok					
Perlakuan 1 (P1)					
P1 A	3	2	2	2	
P1 B	2	2	2	2	
P1 C	2	2	4	2	
P1 D	3	3	3	3	
P1 E	3	2	4	2	
Kelompok					
Perlakuan 2 (P2)					
P2 A	3	2	2	2	
P2 B	3	3	2	2	

P2 C	3	3	2	3
P2 D	2	3	2	2
P2 E	2	2	1	2

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Keterangan:

Kontrol : tidak diberi boraks.

Perlakuan 1 : diberi boraks dengan dosis 300mg/kgBB.

Perlakuan 2 : diberi boraks dengan dosis 600mg/kgBB.

Sel Hepar normal : 1

Degenerasi parenkimatososa : 2

Degenerasi hidropik : 3

Nekrosis : 4



**Lampiran 5. Rerata skoring mikroskopis hepar seluruh kelompok**

Kelompok	Rerata	Standar deviasi	Maksimum	Minimum
Kontrol (0mg/kgBB)	1,300	0,3260	1,8	1,0
Kelompok Perlakuan 1 (300mg/kgBB)	2,500	0,3953	3,0	2,0
Kelompok Perlakuan 2 (600mg/kgBB)	2,300	0,3708	2,8	1,8

## Lampiran 6. Hasil analisa mikroskopis hepar tikus wistar

### Tests of Normality

kelompok	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
mikroskopik 1	.221	5	.200(*)	.902	5	.421
2	.136	5	.200(*)	.987	5	.967
3	.246	5	.200(*)	.956	5	.777

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

a Lilliefors Significance Correction

### Test of Homogeneity of Variance

		Levene Statistic	df1	df2	Sig.
mikroskopik	Based on Mean	.068	2	12	.935
	Based on Median	.091	2	12	.914
	Based on Median and with adjusted df	.091	2	11.126	.914
	Based on trimmed mean	.068	2	12	.934

### T-TEST

```
GROUPS = kelompok(1 2)
/MISSING = ANALYSIS
/VARIABLES = mikroskopik
/CRITERIA = CI(.95) .
```

### Group Statistics

kelompok	N	Mean	Std. Deviation	Std. Error Mean
mikroskopik 1	5	1.300	.3260	.1458
2	5	2.500	.3953	.1768

### Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
mikroskopik	Equal variances assumed	.122	.736	-5.237	8	.001	-1.2000	.2291	-1.7284	-.6716
	Equal variances not assumed			-5.237	7.720	.001	-1.2000	.2291	-1.7317	-.6683

## T-TEST

GROUPS = kelompok(1 3)  
 /MISSING = ANALYSIS  
 /VARIABLES = mikroskopik  
 /CRITERIA = CI(.95) .

## Group Statistics

kelompok	N	Mean	Std. Deviation	Std. Error Mean
mikroskopik 1	5	1.300	.3260	.1458
3	5	2.300	.3708	.1658

## Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
mikroskopik	Equal variances assumed	.000	1.000	-4.529	8	.002	-1.0000	.2208	-1.5092	-.4908
	Equal variances not assumed			-4.529	7.871	.002	-1.0000	.2208	-1.5106	-.4894

## T-TEST

GROUPS = kelompok(2 3)  
 /MISSING = ANALYSIS  
 /VARIABLES = mikroskopik  
 /CRITERIA = CI(.95) .

## Group Statistics

kelompok	N	Mean	Std. Deviation	Std. Error Mean
mikroskopik 2	5	2.500	.3953	.1768
3	5	2.300	.3708	.1658

## Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
mikroskopik	Equal variances assumed	.083	.781	.825	8	.433	.2000	.2424	-.3589	.7589
	Equal variances not assumed			.825	7.968	.433	.2000	.2424	-.3593	.7593

## Oneway

### ANOVA

mikroskopik

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4.133	2	2.067	15.500	.000
Within Groups	1.600	12	.133		
Total	5.733	14			

## Post Hoc Tests

### Multiple Comparisons

Dependent Variable: mikroskopik

LSD

(I) kelompok	(J) kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
1	2	-1.2000*	.2309	.000	-1.703	-.697
	3	-1.0000*	.2309	.001	-1.503	-.497
2	1	1.2000*	.2309	.000	.697	1.703
	3	.2000	.2309	.403	-.303	.703
3	1	1.0000*	.2309	.001	.497	1.503
	2	-.2000	.2309	.403	-.703	.303

\*. The mean difference is significant at the .05 level.

**Lampiran 7. Biodata Mahasiswa**

**Nama** : Edward Nurzali  
**NIM** : G2A 009 147  
**Tempat/Tanggal lahir** : Semarang / 28 Mei 1992  
**Agama** : Katholik  
**Jenis Kelamin** : Laki-Laki  
**Alamat** : Jl.Widosari III / 22 Semarang

**Riwayat Pendidikan**

1) SD : Lulus tahun 2003  
2) SMP : Lulus tahun 2006  
3) SMA : Lulus tahun 2009

**Riwayat Keluarga**

**Nama Orang Tua Ayah** : Boenito Nurzali  
**Ibu** : Nanik Soeharni  
**Alamat Orang Tua** : Jl. Widosari III / 22 Semarang