

Lampiran 1. Surat Keterangan Menggunakan Ekstrak dari Penelitian Sebelumnya

SURAT KETERANGAN

Dengan hormat,

Saya yang bertanda tangan di bawah ini :

Nama : Sri Susilowati, S.Si., M.Si., Apt.

NPP : 07.01.1.0032

Selaku pembimbing skripsi dari mahasiswa :

Nama : Muhammad Ilham Afief

NIM : 125010841

Judul Skripsi : Pengaruh Ekstrak Etanol Herba Alfalfa (*Medicago sativa* L.) terhadap Jumlah Leukosit dan Neutrofil pada Mencit yang Diinduksi Doksorubisin

Menyatakan bahwa tanaman alfalfa (*Medicago sativa* L.) yang digunakan dalam penelitian tersebut sama dengan tanaman yang digunakan oleh Amirudin (125010872) dalam penelitian lain.

Dengan surat pernyataan ini dibuat dengan sebenar-benarnya dan dapat digunakan sebagaimana mestinya.

Hormat saya,



Sri Susilowati, S.Si., M.Si., Apt

NPP.07.01.1.0032

Lampiran 2. Surat Keterangan Penelitian di Laboratorium Biologi Universitas Negeri Semarang



KEMENTERIAN RISET, TEKNOLOGI DAN PENDIDIKAN TINGGI
UNIVERSITAS NEGERI SEMARANG
FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM
LABORATORIUM JURUSAN BIOLOGI
Gedung D 11 Kampus Sekaran Gunungpati Semarang
Website : <http://biologi.unnes.ac.id>

SURAT KETERANGAN

No **0147** /UN. 37.1.4.5/PT/2016

Yang bertanda tangan di bawah ini, Ketua Jurusan Biologi FMIPA Universitas Negeri Semarang menerangkan bahwa :

Nama : Muhammad Ilham Afief
Instansi : Fakultas Farmasi Universitas Wahid Hasyim Semarang
NIM : 125010841
Judul : Pengaruh Ekstrak Etanol Herba Alfalfa (*Medicago sativa* L.) terhadap Jumlah Leukosit dan Neutrofil Mencit yang Diinduksi Doksorubisin

telah melakukan terminasi penelitian di Laboratorium Jurusan Biologi FMIPA Universitas Negeri Semarang pada bulan Agustus 2016

Demikian Surat Keterangan ini kami buat untuk dapat digunakan sebagaimana perlunya.

Semarang, 25 Agustus 2016

Kepala Laboratorium

Dr. Ning Setiati, M.Si.
NIP.195903101987032001

Mengetahui
Ketua Jurusan Biologi FMIPA UNNES

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Lampiran 3. Data Perhitungan Jumlah Leukosit dan Neutrofil



**HASIL PEMERIKSAAN LABORATROIUM
JUMLAH SEL LEUKOSIT & HIT. JENIS SEL LEUKOSIT**

KODE	Leukosit / μ l	Neutrofil (%)
A1	5500	57
A2	1750	17
A3	1900	38
A4	4100	41
A5	2700	40
B1	2250	37
B2	5400	59
B3	3300	39
B4	2150	18
B5	3500	43
C1	1700	18
C2	5200	56
C3	3400	40
C4	1800	39
C5	2750	41
D1	5300	70
D2	3450	40
D3	2450	39
D4	3350	45
D5	2050	18
E1	5200	38
E2	1750	18
E3	3700	41
E4	3300	39
E5	5200	57

Semarang, 30 Juni 2016

Pemeriksa





Sarana Menuju Sehat

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Lampiran 3. Lanjutan...

Keterangan

Kelompok Perlakuan	Kode	Nomor Mencit	Jumlah Leukosit / μ l	Jumlah Neutrofil (%)
Kontrol Normal	A1	1	5300.0	57.0
Kontrol Normal	B2	2	5400.0	59.0
Kontrol Normal	C2	3	5200.0	56.0
Kontrol Normal	D1	4	5300.0	70.0
Kontrol Normal	E5	5	5200.0	57.0
Kontrol Doksorubisin	A2	1	1750.0	17.0
Kontrol Doksorubisin	B4	2	2150.0	18.0
Kontrol Doksorubisin	C1	3	1700.0	18.0
Kontrol Doksorubisin	D5	4	2050.0	18.0
Kontrol Doksorubisin	E2	5	1750.0	18.0
Dosis 250 mg/KgBB	A3	1	1900.0	38.0
Dosis 250 mg/KgBB	B1	2	2250.0	37.0
Dosis 250 mg/KgBB	C4	3	1800.0	39.0
Dosis 250 mg/KgBB	D3	4	2450.0	39.0
Dosis 250 mg/KgBB	E1	5	2050.0	38.0
Dosis 500 mg/KgBB	A5	1	2700.0	40.0
Dosis 500 mg/KgBB	B3	2	3350.0	39.0
Dosis 500 mg/KgBB	C5	3	2750.0	41.0
Dosis 500 mg/KgBB	D2	4	3450.0	40.0
Dosis 500 mg/KgBB	E4	5	3300.0	39.0
Dosis 1000 mg/KgBB	A4	1	4100.0	41.0
Dosis 1000 mg/KgBB	B5	2	3500.0	43.0
Dosis 1000 mg/KgBB	C3	3	3400.0	40.0
Dosis 1000 mg/KgBB	D4	4	3350.0	45.0
Dosis 1000 mg/KgBB	E3	5	3700.0	41.0

Lampiran 4. Hasil Uji Statistik Jumlah Leukosit

1. Hasil Uji Homogenitas 5 Kelompok

Case Processing Summary

Perlakuan		Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
leukosit	Kontrol Normal	5	100.0%	0	.0%	5	100.0%
	Kontrol Doksorubisin	5	100.0%	0	.0%	5	100.0%
	Dosis 250	5	100.0%	0	.0%	5	100.0%
	Dosis 500	5	100.0%	0	.0%	5	100.0%
	Dosis 1000	5	100.0%	0	.0%	5	100.0%

Test of Homogeneity of Variance

		Levene Statistic	df1	df2	Sig.
leukosit	Based on Mean	3.665	4	20	.021
	Based on Median	.799	4	20	.540
	Based on Median and with adjusted df	.799	4	13.526	.546
	Based on trimmed mean	3.418	4	20	.028

Lampiran 4. Lanjutan...

2. Hasil Uji Normalitas 5 Kelompok

One-Sample Kolmogorov-Smirnov Test

	Kontrol Normal	Kontrol Doksorubisi n	Dosis 250	Dosis 500	Dosis 1000
N	5	5	5	5	5
Normal Parameters ^a Mean	5280.0000	1880.0000	2.0900E3	3.1100E3	3610.0000
Std. Deviation	83.66600	204.93902	2.63154E2	3.56020E2	304.95901
Most Extreme Absolute Differences	.231	.337	.165	.303	.241
Positive	.231	.337	.165	.244	.241
Negative	-.194	-.197	-.135	-.303	-.197
Kolmogorov-Smirnov Z	.515	.754	.369	.678	.539
Asymp. Sig. (2-tailed)	.953	.621	.999	.747	.934
a. Test distribution is Normal.					

3. Hasil Uji Kruskal Wallis 5 Kelompok

Test Statistics^{a,b}

	leukosit
Chi-Square	21.912
df	4
Asymp. Sig.	.000

a. Kruskal Wallis Test

b. Grouping Variable: perlakuan

Lampiran 4. Lanjutan...

4. Hasil Uji Homogenitas 2 Kelompok

Case Processing Summary

Perlakuan		Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
leukosit	Kontrol Normal	5	100.0%	0	.0%	5	100.0%
	Kontrol Doksorubisin	5	100.0%	0	.0%	5	100.0%

Test of Homogeneity of Variance

		Levene Statistic	df1	df2	Sig.
leukosit	Based on Mean	12.155	1	8	.008
	Based on Median	1.066	1	8	.332
	Based on Median and with adjusted df	1.066	1	4.681	.352
	Based on trimmed mean	10.982	1	8	.011

Lampiran 4. Lanjutan...

5. Hasil Uji Normalitas 2 Kelompok

One-Sample Kolmogorov-Smirnov Test

		Kontrol Normal	Kontrol Doksorubisin
N		5	5
Normal Parameters ^a	Mean	5280.0000	1880.0000
	Std. Deviation	83.66600	204.93902
Most Extreme Differences	Absolute	.231	.337
	Positive	.231	.337
	Negative	-.194	-.197
Kolmogorov-Smirnov Z		.515	.754
Asymp. Sig. (2-tailed)		.953	.621
a. Test distribution is Normal.			

Lampiran 4. Lanjutan...

6. Hasil Uji Mann Whitney

Ranks

perlakuan	N	Mean Rank	Sum of Ranks
leukosit Kontrol Normal	5	8.00	40.00
Kontrol Doksorubisin	5	3.00	15.00
Total	10		

Test Statistics^b

	leukosit
Mann-Whitney U	.000
Wilcoxon W	15.000
Z	-2.635
Asymp. Sig. (2-tailed)	.008
Exact Sig. [2*(1-tailed Sig.)]	.008 ^a

a. Not corrected for ties.

b. Grouping Variable: perlakuan

Ranks

perlakuan	N	Mean Rank	Sum of Ranks
leukosit Kontrol Normal	5	8.00	40.00
Dosis 250	5	3.00	15.00

Test Statistics^b

	leukosit
Mann-Whitney U	.000
Wilcoxon W	15.000
Z	-2.635
Asymp. Sig. (2-tailed)	.008
Exact Sig. [2*(1-tailed Sig.)]	.008 ^a

a. Not corrected for ties.

Total	10		
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Test Statistics^b

	leukosit
Mann-Whitney U	.000
Wilcoxon W	15.000
Z	-2.627
Asymp. Sig. (2-tailed)	.009
Exact Sig. [2*(1-tailed Sig.)]	.008 ^a

Lampiran 4. Lanjutan...

a. Not corrected for ties.

b. Grouping Variable: perlakuan

Ranks

perlakuan		N	Mean Rank	Sum of Ranks
leukosit	Kontrol Normal	5	8.00	40.00
	Dosis 500	5	3.00	15.00
	Total	10		

Test Statistics^b

	leukosit
Mann-Whitney U	.000
Wilcoxon W	15.000
Z	-2.627
Asymp. Sig. (2-tailed)	.009
Exact Sig. [2*(1-tailed Sig.)]	.008 ^a

a. Not corrected for ties.

b. Grouping Variable: perlakuan

Ranks

perlakuan		N	Mean Rank	Sum of Ranks
leukosit	Kontrol Normal	5	8.00	40.00
	Dosis 1000	5	3.00	15.00
	Total	10		

Test Statistics^b

	leukosit
Mann-Whitney U	.000
Wilcoxon W	15.000
Z	-2.627
Asymp. Sig. (2-tailed)	.009
Exact Sig. [2*(1-tailed Sig.)]	.008 ^a

Lampiran 4. Lanjutan...

a. Not corrected for ties.

b. Grouping Variable: perlakuan

Ranks

perlakuan	N	Mean Rank	Sum of Ranks
leukosit Kontrol Doksorubisin	5	4.10	20.50
Dosis 250	5	6.90	34.50
Total	10		

Test Statistics^b

	leukosit
Mann-Whitney U	5.500
Wilcoxon W	20.500
Z	-1.471
Asymp. Sig. (2-tailed)	.141

Exact Sig. [2*(1-tailed Sig.)]	.151 ^a
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a. Not corrected for ties.

b. Grouping Variable: perlakuan

Ranks

perlakuan	N	Mean Rank	Sum of Ranks
leukosit Kontrol Doksorubisin	5	3.00	15.00
Dosis 500	5	8.00	40.00
Total	10		

Test Statistics^b

	leukosit
Mann-Whitney U	.000
Wilcoxon W	15.000
Z	-2.619
Asymp. Sig. (2-tailed)	.009
Exact Sig. [2*(1-tailed Sig.)]	.008 ^a

Lampiran 4. Lanjutan...

a. Not corrected for ties.

b. Grouping Variable: perlakuan

Ranks

perlakuan	N	Mean Rank	Sum of Ranks
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leukosit	Kontrol Doksorubisin	5	3.00	15.00
	Dosis 1000	5	8.00	40.00
	Total	10		

Test Statistics^b

	leukosit
Mann-Whitney U	.000
Wilcoxon W	15.000
Z	-2.619
Asymp. Sig. (2-tailed)	.009
Exact Sig. [2*(1-tailed Sig.)]	.008 ^a

a. Not corrected for ties.

b. Grouping Variable: perlakuan

Ranks

	perlakuan	N	Mean Rank	Sum of Ranks
leukosit	Dosis 250	5	3.00	15.00
	Dosis 500	5	8.00	40.00
	Total	10		

Test Statistics^b

	leukosit
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Mann-Whitney U	.000
Wilcoxon W	15.000
Z	-2.611
Asymp. Sig. (2-tailed)	.009
Exact Sig. [2*(1-tailed Sig.)]	.008 ^a

Lampiran 4. Lanjutan...

a. Not corrected for ties.

b. Grouping Variable: perlakuan

Ranks

perlakuan		N	Mean Rank	Sum of Ranks
leukosit	Dosis 250	5	3.00	15.00
	Dosis 1000	5	8.00	40.00
	Total	10		

Test Statistics^b

	leukosit
Mann-Whitney U	.000
Wilcoxon W	15.000
Z	-2.611
Asymp. Sig. (2-tailed)	.009
Exact Sig. [2*(1-tailed Sig.)]	.008 ^a

a. Not corrected for ties.

b. Grouping Variable: perlakuan

Ranks

perlakuan		N	Mean Rank	Sum of Ranks
leukosit	Dosis 500	5	3.50	17.50
	Dosis 1000	5	7.50	37.50
	Total	10		



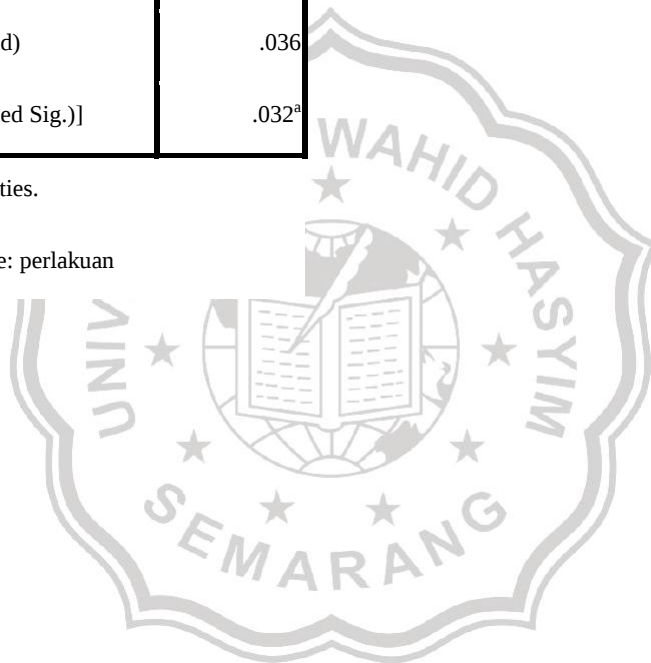
Lampiran 4. Lanjutan...

Test Statistics^b

	leukosit
Mann-Whitney U	2.500
Wilcoxon W	17.500
Z	-2.095
Asymp. Sig. (2-tailed)	.036
Exact Sig. [2*(1-tailed Sig.)]	.032 ^a

a. Not corrected for ties.

b. Grouping Variable: perlakuan



Lampiran 6. Perhitungan Dosis Doksorubisin dan Ekstrak Etanol Herba Alfalfa

1. CMC-Na 0,5%

Larutan stok CMC-Na 0,5% dibuat 500 mL, maka CMC-Na yang ditimbang =

$$\frac{0,5 \text{ gram}}{100 \text{ mL}} \times 500 \text{ mL} = 2,5 \text{ gram}$$

2,5 gram CMC-Na disuspensikan ke dalam aquadest sampai 500 mL.

2. Ekstrak etanol herba alfalfa

Dosis ekstrak etanol yang digunakan pada penelitian ini adalah 250 mg/KgBB, 500 mg/KgBB dan 1000 mg/KgBB

a. Kelompok perlakuan dosis 1000 mg/KgBB

Berat mencit rata-rata : 20 gram

Dosis untuk mencit dengan berat 20 gram : $\frac{20 \text{ gram}}{1000 \text{ gram}} \times 1000 \text{ mg} = 20 \text{ mg}$

Volume pemberian ideal mencit melalui p.o : 0,5 mL.

Maka konsentrasi larutan stok untuk dosis 1000 mg/KgBB: $\frac{20 \text{ mg}}{0,5 \text{ mL}} = 40 \text{ mg/mL}$

Volume pemberian untuk mencit 20 gram adalah:

$$\frac{20 \text{ gram}}{1000 \text{ gram}} \times 1000 \text{ mg} = 20 \text{ mg}$$

$$V_p = \frac{20 \text{ mg}}{40 \text{ mg}} \times 1 \text{ mL} = 0,5 \text{ mL}$$

b. Kelompok perlakuan dosis 500 mg/KgBB

Berat mencit rata-rata : 20 gram

Lampiran 6. Lanjutan...

Dosis untuk mencit dengan berat 20 gram : $\frac{20 \text{ gram}}{1000 \text{ gram}} \times 500 \text{ mg} = 10 \text{ mg}$

Volume pemberian ideal mencit melalui p.o : 0,5 mL.

Maka konsentrasi larutan stok untuk dosis 1000 mg/KgBB: $\frac{10 \text{ mg}}{0,5 \text{ mL}} = 20 \text{ mg/ml}$

Untuk membuat larutan stok konsentrasi 20 mg/ml maka larutan stok 40 mg/ml diencerkan 2 kali dengan perhitungan sebagai berikut:

$$C1 \times V1 = C2 \times V2$$

$$40 \text{ mg/ml} \times V1 = 20 \text{ mg/ml} \times 10 \text{ ml}$$

$$V1 = \frac{20 \frac{\text{mg}}{\text{ml}} \times 10 \text{ ml}}{40 \text{ mg/ml}}$$
$$= 5 \text{ ml}$$

Volume pemberian untuk mencit 20 gram adalah:

$$\frac{20 \text{ gram}}{1000 \text{ gram}} \times 500 \text{ mg} = 10 \text{ mg}$$

$$Vp = \frac{10 \text{ mg}}{20 \text{ mg}} \times 1 \text{ ml} = 0,5 \text{ ml}$$

c. Kelompok perlakuan dosis 250 mg/KgBB

Berat mencit rata-rata : 20 gram

Dosis untuk mencit dengan berat 20 gram : $\frac{20 \text{ gram}}{1000 \text{ gram}} \times 250 \text{ mg} = 5 \text{ mg}$

Volume pemberian ideal mencit melalui p.o : 0,5 mL.

Maka konsentrasi larutan stok untuk dosis 1000 mg/KgBB: $\frac{5 \text{ mg}}{0,5 \text{ mL}} =$
10 mg/ml



Lampiran 6. Lanjutan...

Untuk membuat larutan stok konsentrasi 10 mg/ml maka larutan stok 40 mg/ml diencerkan 4 kali dengan perhitungan sebagai berikut:

$$C1 \times V1 = C2 \times V2$$

$$40 \text{ mg/ml} \times V1 = 10 \text{ mg/ml} \times 10 \text{ ml}$$

$$V1 = \frac{10 \frac{\text{mg}}{\text{ml}} \times 10 \text{ ml}}{40 \text{ mg/ml}}$$

$$= 2,5 \text{ ml}$$

Volume pemberian untuk mencit 20 gram adalah:

$$\frac{20 \text{ gram}}{1000 \text{ gram}} \times 250 \text{ mg} = 5 \text{ mg}$$

$$Vp = \frac{5 \text{ mg}}{10 \text{ mg}} \times 1 \text{ ml} = 0,5 \text{ ml}$$

3. Doksorubisin

Dosis doksorubisin untuk tikus adalah 5 mg/KgBB (Ekowati, 2013).

Faktor konversi dosis dari tikus 200 gram ke mencit 20 gram adalah 0,14.

$$\text{Dosis doksorubisin untuk 200 gram tikus: } \frac{200 \text{ gram}}{1000 \text{ gram}} \times 5 \text{ mg} = 1 \text{ mg}$$

Dosis doksorubisin untuk mencit 20 gram: $1 \text{ mg} \times 0,14 = 0,14 \text{ mg/20g BB}$

Larutan stok doksorubisin 2mg/mL diencerkan 10 kali menjadi 0,2mg/mL.

Volume pemberian untuk mencit 20 gram adalah:

$$\frac{20 \text{ gram}}{20 \text{ gram}} \times 0,14 \text{ mg} = 0,14 \text{ mg}$$

$$Vp = \frac{0,14 \text{ mg}}{0,2 \text{ mg}} \times 1 \text{ ml} = 0,7 \text{ ml}$$

Lampiran 5. Hasil Uji Statistik Jumlah Neutrofil.

1. Hasil Uji Homogenitas 5 Kelompok

Case Processing Summary

perlakuan		Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
neutrofil	Kontrol Normal	5	100.0%	0	.0%	5	100.0%
	Kontrol Doksorubisin	5	100.0%	0	.0%	5	100.0%
	Dosis 250	5	100.0%	0	.0%	5	100.0%
	Dosis 500	5	100.0%	0	.0%	5	100.0%
	Dosis 1000	5	100.0%	0	.0%	5	100.0%

Test of Homogeneity of Variance

		Levene Statistic	df1	df2	Sig.
neutrofil	Based on Mean	4.212	4	20	.012
	Based on Median	1.050	4	20	.407
	Based on Median and with adjusted df	1.050	4	4.951	.467
	Based on trimmed mean	3.215	4	20	.034

Lampiran 5. Lanjutan...

2. Hasil Uji Normalitas 5 Kelompok

One-Sample Kolmogorov-Smirnov Test

	Kontrol Normal	Kontrol Doksorubisi n	Dosis 250	Dosis 500	Dosis 1000
N	5	5	5	5	5
Normal Parameters ^a Mean	59.8000	17.8000	38.2000	39.8000	42.0000
Std. Deviation	5.80517	.44721	.83666	.83666	2.00000
Most Extreme Absolute Differences	.355	.473	.231	.231	.291
Positive	.355	.327	.194	.231	.291
Negative	-.256	-.473	-.231	-.194	-.159
Kolmogorov-Smirnov Z	.793	1.057	.515	.515	.652
Asymp. Sig. (2-tailed)	.555	.214	.953	.953	.789
a. Test distribution is Normal.					

3. Hasil Uji Kruskal Wallis 5 Kelompok

Test Statistics^{a,b}

	neutrofil
Chi-Square	22.465
df	4
Asymp. Sig.	.000

a. Kruskal Wallis Test

b. Grouping Variable: perlakuan

Lampiran 5. Lanjutan...

4. Hasil Uji Homogenitas 2 Kelompok

Case Processing Summary

perlakuan	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
neutrofil Kontrol Normal	5	100.0%	0	.0%	5	100.0%
Kontrol Doksorubisin	5	100.0%	0	.0%	5	100.0%

Test of Homogeneity of Variance

	Levene Statistic	df1	df2	Sig.
neutrofil Based on Mean	5.453	1	8	.048
Based on Median	1.456	1	8	.262
Based on Median and with adjusted df	1.456	1	4.052	.293
Based on trimmed mean	4.169	1	8	.075

Lampiran 5. Lanjutan...

5. Hasil Uji Normalitas 2 Kelompok

One-Sample Kolmogorov-Smirnov Test

		Kontrol Normal	Kontrol Doksorubisin
N		5	5
Normal Parameters ^a	Mean	59.8000	17.8000
	Std. Deviation	5.80517	.44721
Most Extreme Differences	Absolute	.355	.473
	Positive	.355	.327
	Negative	-.256	-.473
Kolmogorov-Smirnov Z		.793	1.057
Asymp. Sig. (2-tailed)		.555	.214
a. Test distribution is Normal.			



Lampiran 5. Lanjutan...

6. Hasil Uji Mann Whitney

Ranks

perlakuan	N	Mean Rank	Sum of Ranks
neutrofil Kontrol Normal	5	8.00	40.00
Kontrol Doksorubisin	5	3.00	15.00
Total	10		

Test Statistics^b

	neutrofil
Mann-Whitney U	.000
Wilcoxon W	15.000
Z	-2.703
Asymp. Sig. (2-tailed)	.007
Exact Sig. [2*(1-tailed Sig.)]	.008 ^a

a. Not corrected for ties.

b. Grouping Variable: perlakuan

Ranks

perlakuan	N	Mean Rank	Sum of Ranks
neutrofil Kontrol Normal	5	8.00	40.00
Dosis 250	5	3.00	15.00
Total	10		

Test Statistics^b

	neutrofil
Mann-Whitney U	.000
Wilcoxon W	15.000
Z	-2.635
Asymp. Sig. (2-tailed)	.008
Exact Sig. [2*(1-tailed Sig.)]	.008 ^a

a. Not corrected for ties.

b. Grouping Variable: perlakuan

Lampiran 5. Lanjutan...

Ranks

	perlakuan	N	Mean Rank	Sum of Ranks
neutrofil	Kontrol Normal	5	8.00	40.00
	Dosis 500	5	3.00	15.00
	Total	10		

Test Statistics^b

	neutrofil
Mann-Whitney U	.000
Wilcoxon W	15.000
Z	-2.635

Asymp. Sig. (2-tailed)	.008
Exact Sig. [2*(1-tailed Sig.)]	.008 ^a

a. Not corrected for ties.

b. Grouping Variable: perlakuan

Ranks

perlakuan		N	Mean Rank	Sum of Ranks
neutrofil	Kontrol Normal	5	8.00	40.00
	Dosis 1000	5	3.00	15.00
	Total	10		

Test Statistics^b

	neutrofil
Mann-Whitney U	.000
Wilcoxon W	15.000
Z	-2.627
Asymp. Sig. (2-tailed)	.009
Exact Sig. [2*(1-tailed Sig.)]	.008 ^a

a. Not corrected for ties.

b. Grouping Variable: perlakuan

Lampiran 5. Lanjutan...

Ranks

perlakuan	N	Mean Rank	Sum of Ranks
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neutrofil	Kontrol Doksorubisin	5	3.00	15.00
	Dosis 250	5	8.00	40.00
	Total	10		

Test Statistics^b

	neutrofil
Mann-Whitney U	.000
Wilcoxon W	15.000
Z	-2.712
Asymp. Sig. (2-tailed)	.007
Exact Sig. [2*(1-tailed Sig.)]	.008 ^a

a. Not corrected for ties.

b. Grouping Variable: perlakuan

Ranks

perlakuan	N	Mean Rank	Sum of Ranks
neutrofil Kontrol Doksorubisin	5	3.00	15.00
Dosis 500	5	8.00	40.00
Total	10		

Test Statistics^b

	neutrofil
--	-----------

Mann-Whitney U	.000
Wilcoxon W	15.000
Z	-2.712
Asymp. Sig. (2-tailed)	.007
Exact Sig. [2*(1-tailed Sig.)]	.008 ^a

a. Not corrected for ties.

b. Grouping Variable: perlakuan

Lampiran 5. Lanjutan...

Ranks

perlakuan		N	Mean Rank	Sum of Ranks
neutrofil	Kontrol Doksorubisin	5	3.00	15.00
	Dosis 1000	5	8.00	40.00
	Total	10		

Test Statistics^b

	neutrofil
Mann-Whitney U	.000
Wilcoxon W	15.000
Z	-2.703
Asymp. Sig. (2-tailed)	.007
Exact Sig. [2*(1-tailed Sig.)]	.008 ^a

a. Not corrected for ties.

Test Statistics^b

	neutrofil
Mann-Whitney U	.000
Wilcoxon W	15.000
Z	-2.703
Asymp. Sig. (2-tailed)	.007
Exact Sig. [2*(1-tailed Sig.)]	.008 ^a

a. Not corrected for ties.

b. Grouping Variable: perlakuan

Ranks

perlakuan		N	Mean Rank	Sum of Ranks
neutrofil	Dosis 250	5	3.40	17.00
	Dosis 500	5	7.60	38.00
	Total	10		

Test Statistics^b

	neutrofil
Mann-Whitney U	2.000
Wilcoxon W	17.000
Z	-2.278
Asymp. Sig. (2-tailed)	.023
Exact Sig. [2*(1-tailed Sig.)]	.032 ^a

a. Not corrected for ties.

b. Grouping Variable: perlakuan

Lampiran 5. Lanjutan...

Ranks

perlakuan		N	Mean Rank	Sum of Ranks
neutrofil	Dosis 250	5	3.00	15.00
	Dosis 1000	5	8.00	40.00
	Total	10		

Test Statistics^b

	neutrofil
Mann-Whitney U	.000
Wilcoxon W	15.000
Z	-2.635
Asymp. Sig. (2-tailed)	.008
Exact Sig. [2*(1-tailed Sig.)]	.008 ^a

a. Not corrected for ties.

b. Grouping Variable: perlakuan

Ranks

perlakuan		N	Mean Rank	Sum of Ranks
neutrofil	Dosis 500	5	3.60	18.00
	Dosis 1000	5	7.40	37.00

Ranks

perlakuan		N	Mean Rank	Sum of Ranks
neutrofil	Dosis 250	5	3.00	15.00
	Dosis 1000	5	8.00	40.00
	Total	10		

Test Statistics^b

	neutrofil
Mann-Whitney U	3.000
Wilcoxon W	18.000
Z	-2.041
Asymp. Sig. (2-tailed)	.041
Exact Sig. [2*(1-tailed Sig.)]	.056 ^a

a. Not corrected for ties.

b. Grouping Variable: perlakuan

Lampiran 7. Dokumentasi Selama Penelitian.



Larutan Dokсорubisin



Larutan Ekstrak Etanol Herba Alfalfa



Pemberian Ekstrak Etanol Herba
Alfalfa Secara Peroral



Pemberian Dokсорubisin Secara
Intraperitoneal



Proses Pengambilan Darah
dari Sinus Orbitalis

