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LAMPIRAN

LAMPIRAN 1. ETHICAL CLEARANCE

	<p>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/Fax. 024-8318350</p>	
ETHICAL CLEARANCE No. 276/EC/FK-RSDK/2016		
<p>Komisi Etik Penelitian Kesehatan Fakultas Kedokteran Universitas Diponegoro-RSUP. Dr. Kariadi Semarang, setelah membaca dan menelaah Usulan Penelitian</p>		
Judul	: Pengaruh Melatonin terhadap jumlah Leukosit pada tikus wistar model sepsis	
Peneliti	: Rizqi Indah Riani	
Judul	: Pengaruh Melatonin terhadap kadar asam laktat pada tikus wistar model sepsis	
Peneliti	: Diana Kumalasari	
Pembimbing	: dr. Satrio Adhi Wicaksono, Sp.An	
Penelitian	: Dilaksanakan di Laboratorium Jurusan Biologi Universitas Negeri Semarang sebagai tempat pemeliharaan dan intervensi terhadap hewan coba, Laboratorium Patologi Klinik RSUP. Dr. Kariadi sebagai tempat pembuatan preparat darah tepi Untuk menghitung jumlah leukosit.	
<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 & dekapitasi hewan coba dan melaporkan ke KEPK bahwa penelitian sudah selesai dilampiri Abstrak Penelitian.</p>		
<p>Semarang, 17 MAR 2016</p> <p>Komisi Etik Penelitian Kesehatan Fakultas Kedokteran Undip-RS. Dr. Kariadi Ketua,  Prof. Dr. dr. Suprihati, M.Sc, Sp.THT-KL(K) NIP. 19500621 197703 2 001</p>		

LAMPIRAN 2. SURAT IJIN PENELITIAN



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. /UN. 37.1.4.5./PT/2016

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

Nama : Diana Kumalasari
Instansi : Fakultas Kedokteran UNDIP Semarang
NIM : 22010112140041
Judul : Pengaruh Melatonin terhadap Kadar Asam Laktat pada Tikus Wistar Model Sepsis

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

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

Semarang, 3 Mei 2016

Kepala Laboratorium

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

Mengetahui
Ketua Jurusan Biologi FMIPA UNNES

Dr. Endah Peniati, M.Si.
NIP. 196511161991032001

LAMPIRAN 3. HASIL PENELITIAN

Case Processing Summary

Peramberian Melatonin		Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
Kadar Asam Laktat	Kontrol	6	100.0%	0	.0%	6	100.0%
	Perlakuan	6	100.0%	0	.0%	6	100.0%

Descriptives

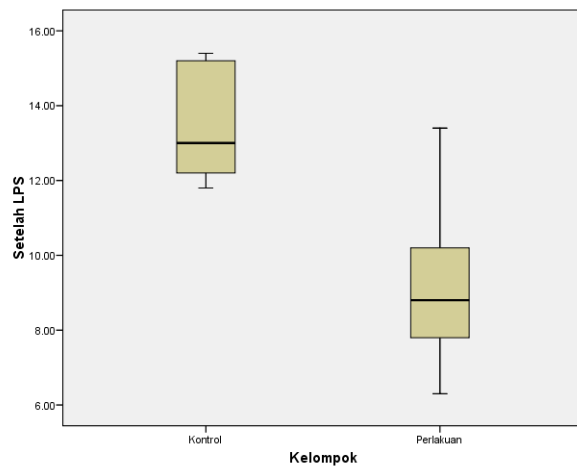
Kelompok		Setelah LPS	Melatonin 1	Melatonin 2
Kontrol	N	6	6	6
	Mean	13.4333	13.3667	16.6167
	Std. Deviation	1.53188	3.02567	1.53286
	Median	13.0000	13.9500	16.7500
	Minimum	11.80	9.60	14.60
	Maximum	15.40	16.40	18.30
Perlakuan	N	6	6	6
	Mean	9.2167	12.2000	11.8000
	Std. Deviation	2.46205	5.79310	6.95270
	Median	8.8000	10.6500	9.6500
	Minimum	6.30	6.60	5.20
	Maximum	13.40	22.10	23.60
Total	N	12	12	12
	Mean	11.3250	12.7833	14.2083
	Std. Deviation	2.94468	4.44825	5.41923
	Median	12.0000	12.6000	15.6500
	Minimum	6.30	6.60	5.20
	Maximum	15.40	22.10	23.60

Tests of Normality

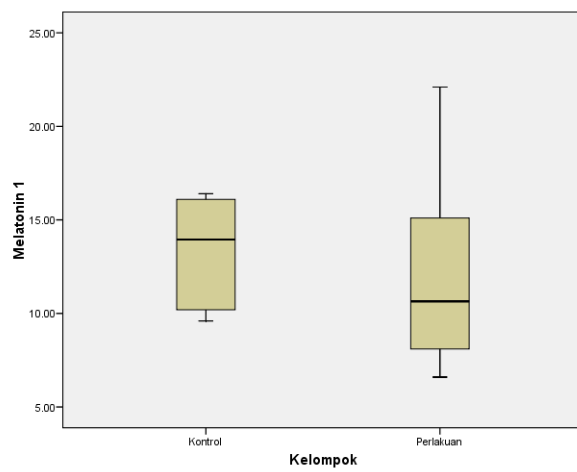
Kelompok		Shapiro-Wilk		
		Statistic	df	Sig.
Setelah LPS	Kontrol	.878	6	.260
	Perlakuan	.949	6	.730
Melatonin 1	Kontrol	.863	6	.199
	Perlakuan	.901	6	.377
Melatonin 2	Kontrol	.904	6	.395
	Perlakuan	.899	6	.367

a. Lilliefors Significance Correction

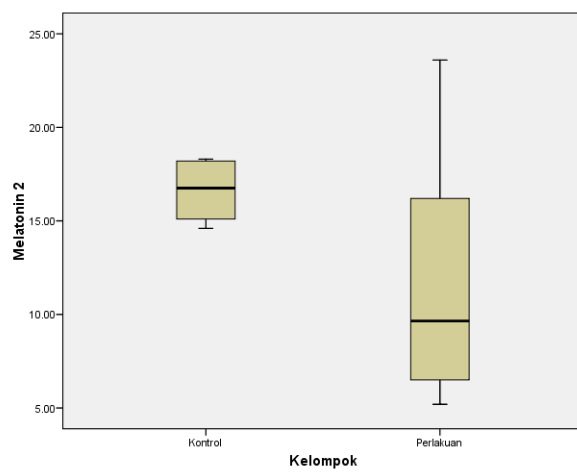
Setelah LPS



Melatonin 1



Melatonin 2



Kelompok Kontrol

T-Test

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Setelah LPS	13.4333	6	1.53188	.62539
	Melatonin 1	13.3667	6	3.02567	1.23522
Pair 2	Melatonin 1	13.3667	6	3.02567	1.23522
	Melatonin 2	16.6167	6	1.53286	.62579
Pair 3	Setelah LPS	13.4333	6	1.53188	.62539
	Melatonin 2	16.6167	6	1.53286	.62579

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Setelah LPS & Melatonin 1	6	.679	.138
Pair 2	Melatonin 1 & Melatonin 2	6	.954	.003
Pair 3	Setelah LPS & Melatonin 2	6	.725	.103

Paired Samples Test

		Pair 1	Pair 2	Pair 3
		Setelah LPS - Melatonin 1	Melatonin 1 - Melatonin 2	Setelah LPS - Melatonin 2
Paired Differences	Mean	.06667	-3.25000	-3.18333
	Std. Deviation	2.28269	1.62819	1.13739
	Std. Error Mean	.93190	.66471	.46434
	95% Confidence Interval of the Difference			
	Lower	-2.32887	-4.95868	-4.37696
	Upper	2.46220	-1.54132	-1.98971
t		.072	-4.889	-6.856
df		5	5	5
Sig. (2-tailed)		.946	.005	.001

Kelompok Perlakuan

T-Test

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Setelah LPS	9.2167	6	2.46205	1.00513
	Melatonin 1	12.2000	6	5.79310	2.36502
Pair 2	Melatonin 1	12.2000	6	5.79310	2.36502
	Melatonin 2	11.8000	6	6.95270	2.83843
Pair 3	Setelah LPS	9.2167	6	2.46205	1.00513
	Melatonin 2	11.8000	6	6.95270	2.83843

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Setelah LPS & Melatonin 1	6	.716	.110
Pair 2	Melatonin 1 & Melatonin 2	6	.586	.221
Pair 3	Setelah LPS & Melatonin 2	6	.667	.148

Paired Samples Test

		Pair 1	Pair 2	Pair 3
		Setelah LPS - Melatonin 1	Melatonin 1 - Melatonin 2	Setelah LPS - Melatonin 2
Paired Differences	Mean	-2.98333	.40000	-2.58333
	Std. Deviation	4.38197	5.88761	5.61833
	Std. Error Mean	1.78893	2.40361	2.29367
	95% Confidence Interval of the Difference			
	Lower	-7.58193	-5.77867	-8.47941
	Upper	1.61526	6.57867	3.31275
t		-1.668	.166	-1.126
df		5	5	5
Sig. (2-tailed)		.156	.874	.311

T-Test

Group Statistics

	Kelompok	N	Mean	Std. Deviation	Std. Error Mean
Setelah LPS	Kontrol	6	13.4333	1.53188	.62539
	Perlakuan	6	9.2167	2.46205	1.00513

Independent Samples Test

		Setelah LPS	
		Equal variances assumed	Equal variances not assumed
Levene's Test for Equality of Variances	F	.759	
	Sig.	.404	
t-test for Equality of Means	t	3.562	3.562
	df	10	8.367
	Sig. (2-tailed)	.005	.007
	Mean Difference	4.21667	4.21667
	Std. Error Difference	1.18380	1.18380
95% Confidence Interval of the Difference	Lower	1.57899	1.50750
	Upper	6.85434	6.92583

T-Test

Group Statistics

	Kelompok	N	Mean	Std. Deviation	Std. Error Mean
Melatonin 1	Kontrol	6	13.3667	3.02567	1.23522
	Perlakuan	6	12.2000	5.79310	2.36502

Independent Samples Test

		Melatonin 1	
		Equal variances assumed	Equal variances not assumed
Levene's Test for Equality of Variances	F	1.830	
	Sig.	.206	
t-test for Equality of Means	t	.437	.437
	df	10	7.539
	Sig. (2-tailed)	.671	.674
	Mean Difference	1.16667	1.16667
	Std. Error Difference	2.66817	2.66817
95% Confidence Interval of the Difference	Lower	-4.77838	-5.05226
	Upper	7.11171	7.38559

T-Test

Group Statistics

	Kelompok	N	Mean	Std. Deviation	Std. Error Mean
Melatonin 2	Kontrol	6	16.6167	1.53286	.62579
	Perlakuan	6	11.8000	6.95270	2.83843

Independent Samples Test

		Melatonin 2	
		Equal variances assumed	Equal variances not assumed
Levene's Test for Equality of Variances	F	7.622	
	Sig.	.020	
t-test for Equality of Means	t	1.657	1.657
	df	10	5.485
	Sig. (2-tailed)	.128	.153
	Mean Difference	4.81667	4.81667
	Std. Error Difference	2.90659	2.90659
95% Confidence Interval of the Difference	Lower	-1.65962	-2.46059
	Upper	11.29296	12.09392

Case Summaries

Kelompok		Selisih Setelah LPS - Melatonin 1	Selisih Setelah LPS - Melatonin 2
Kontrol	N	6	6
	Mean	-.0667	3.1833
	Std. Deviation	2.28269	1.13739
	Median	.7000	2.9500
	Minimum	-3.10	1.80
	Maximum	2.70	4.90
Perlakuan	N	6	6
	Mean	2.9833	2.5833
	Std. Deviation	4.38197	5.61833
	Median	2.7000	.8500
	Minimum	-2.90	-1.30
	Maximum	8.70	13.40
Total	N	12	12
	Mean	1.4583	2.8833
	Std. Deviation	3.69237	3.87740
	Median	.7000	2.7000
	Minimum	-3.10	-1.30
	Maximum	8.70	13.40

Explore

Kelompok

Case Summaries

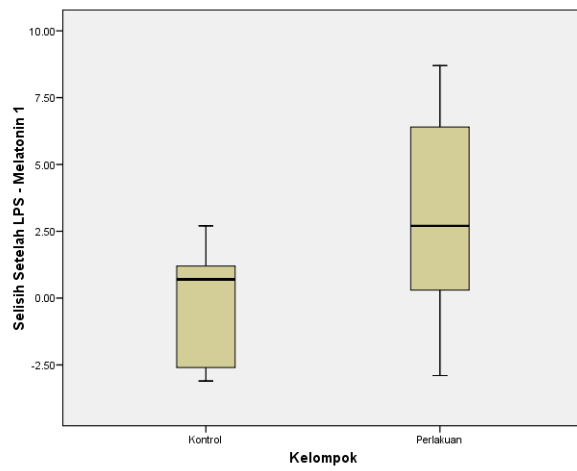
Kelompok		Selisih Setelah LPS - Melatonin 1	Selisih Setelah LPS - Melatonin 2
Kontrol	N	6	6
	Mean	-.0667	3.1833
	Std. Deviation	2.28269	1.13739
	Median	.7000	2.9500
	Minimum	-3.10	1.80
	Maximum	2.70	4.90
Perlakuan	N	6	6
	Mean	2.9833	2.5833
	Std. Deviation	4.38197	5.61833
	Median	2.7000	.8500
	Minimum	-2.90	-1.30
	Maximum	8.70	13.40
Total	N	12	12
	Mean	1.4583	2.8833
	Std. Deviation	3.69237	3.87740
	Median	.7000	2.7000
	Minimum	-3.10	-1.30
	Maximum	8.70	13.40

Tests of Normality

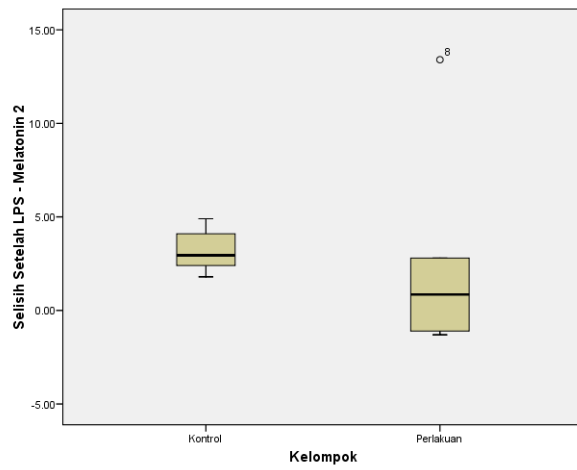
Kelompok		Shapiro-Wilk		
		Statistic	df	Sig.
Selisih Setelah LPS - Melatonin 1	Kontrol	.883	6	.282
	Perlakuan	.952	6	.755
Selisih Setelah LPS - Melatonin 2	Kontrol	.964	6	.849
	Perlakuan	.747	6	.018

a. Lilliefors Significance Correction

Selisih Setelah LPS - Melatonin 1



Selisih Setelah LPS - Melatonin 2



T-Test

Group Statistics

	Kelompok	N	Mean	Std. Deviation	Std. Error Mean
Selisih Setelah LPS - Melatonin 1	Kontrol	6	-.0667	2.28269	.93190
	Perlakuan	6	2.9833	4.38197	1.78893

Independent Samples Test

		Selisih Setelah LPS - Melatonin 1	
		Equal variances assumed	Equal variances not assumed
Levene's Test for Equality of Variances	F	5.011	
	Sig.	.049	
t-test for Equality of Means	t	-1.512	-1.512
	df	10	7.528
	Sig. (2-tailed)	.161	.171
	Mean Difference	-3.05000	-3.05000
	Std. Error Difference	2.01711	2.01711
	95% Confidence Interval of the Difference	Lower -7.54440	-7.75277
		Upper 1.44440	1.65277

NPar Tests

Mann-Whitney Test

Ranks

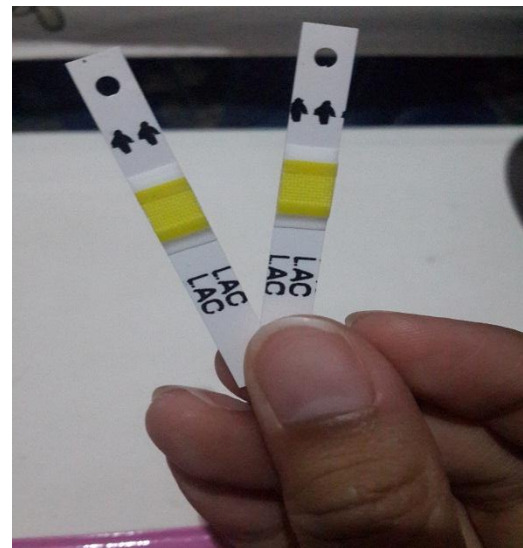
	Kelompok	N	Mean Rank	Sum of Ranks
Selisih Setelah LPS - Melatonin 2	Kontrol	6	7.75	46.50
	Perlakuan	6	5.25	31.50
	Total	12		

Test Statistics^b

	Selisih Setelah LPS - Melatonin 2
Mann-Whitney U	10.500
Wilcoxon W	31.500
Z	-1.203
Asymp. Sig. (2-tailed)	.229
Exact Sig. [2*(1-tailed Sig.)]	.240 ^a

a. Not corrected for ties.

b. Grouping Variable: Kelompok

LAMPIRAN 4. DOKUMENTASI PENELITIAN

LAMPIRAN 5. BIODATA MAHASISWA

Identitas

Nama : Diana Kumalasari
NIM : 22010112140041
Tempat/tanggal lahir : Ambon/20 Oktober 1993
Jenis Kelamin : Perempuan
Alamat : Jl. Meranti Raya No.313, Banyumanik, Semarang
Nomor Telepon : -
Nomor HP : 081226593317
e-mail : dianakumalasari@yahoo.com

Riwayat Pendidikan Formal

- | | | |
|-------------|-----------------------|--------------------|
| 1. SD | : SD N 09-10 Semarang | Lulus tahun : 2005 |
| 2. SMP | : SMP N 21 Semarang | Lulus tahun : 2008 |
| 3. SMA | : SMA N 4 Semarang | Lulus tahun : 2011 |
| 4. FK UNDIP | : Masuk tahun : 2012 | |

Keanggotaan Organisasi

- | | |
|--------------------------------------|---------------------|
| 1. Staf Bidang Kastrat HIMA KU Undip | Tahun 2012 s/d 2013 |
|--------------------------------------|---------------------|