

LAMPIRAN 1 : Uji Statistik Kadar GSH Darah dan Ginjal.

Kelompok Tikus A.

Tabel Format XY	Kadar GSH Darah X	Kadar GSH Ginjal Y
P1	0.485	0.631
P2	0.320	0.437
P3	0.214	0.322
P4	0.118	0.244

Kelompok Tikus B.

Tabel Format XY	Kadar GSH Darah X	Kadar GSH Ginjal Y
P1	0.349	0.553
P2	0.282	0.399
P3	0.137	0.283
P4	0.060	0.167

LAMPIRAN 2: Uji Regresi Linear antara Kadar GSH Darah dan Ginjal.

Kelompok Tikus A.

Linear Reg.	Kadar GSH Ginjal
Best-fit values	
Slope	1.067 ± 0.05577
Y-intercept when X=0.0	0.1052 ± 0.01758
X-intercept when Y=0.0	-0.09865
1/slope	0.9373
95% Confidence Intervals	
Slope	0.8269 to 1.307
Y-intercept when X=0.0	0.02961 to 0.1809
X-intercept when Y=0.0	-0.2151 to -0.02305
Goodness of Fit	
R square	0.9946
Sy.x	0.01519
Is slope significantly non-zero?	
F	365.9
DFn, DFd	1.000, 2.000
P value	0.0027
Deviation from zero?	Significant
Data	
Number of X values	4
Maximum number of Y replicates	1
Total number of values	4
Number of missing values	0
Equation	$Y = 1.067 * X + 0.1052$

Kelompok Tikus B.

Linear Reg.	Kadar GSH Ginjal
Best-fit values	
Slope	1.226 ± 0.1705
Y-intercept when X=0.0	0.09682 ± 0.04032
X-intercept when Y=0.0	-0.07900
1/slope	0.8160
95% Confidence Intervals	
Slope	0.4918 to 1.959
Y-intercept when X=0.0	-0.07670 to 0.2703
X-intercept when Y=0.0	-0.5191 to 0.04146
Goodness of Fit	
R square	0.9627
Sy.x	0.03900
Is slope significantly non-zero?	
F	51.65
DFn, DFd	1.000, 2.000
P value	0.0188
Deviation from zero?	Significant
Data	
Number of X values	4
Maximum number of Y replicates	1
Total number of values	4
Number of missing values	0
Equation	$Y = 1.226 * X + 0.09682$

LAMPIRAN 3: Uji Korelasi Pearson antara Kadar GSH Darah dan Ginjal.

Kelompok Tikus A.

	Kadar GSH Darah vs. Kadar GSH Ginjal
Pearson r	
R	0.9973
95% confidence interval	0.8714 to 0.9999
R square	0.9946
P value	
P (two-tailed)	0.0027
P value summary	**
Significant? (alpha = 0.05)	Yes
Number of XY Pairs	4

Kelompok Tikus B.

	Kadar GSH Darah vs. Kadar GSH Ginjal
Pearson r	
R	0.9812
95% confidence interval	0.3522 to 0.9996
R square	0.9627
P value	
P (two-tailed)	0.0188
P value summary	*
Significant? (alpha = 0.05)	Yes
Number of XY Pairs	4

LAMPIRAN 4: Korelasi antara Po₂ Arteri dan Kadar GSH Darah.

Kelompok Tikus A.

Tabel Format XY	pO ₂ (mmHg) X	Kadar GSH Darah Y
P1	94.7	0.47750
P2	67.9	0.32050
P3	53.9	0.21450
P4	33.2	0.11775

Kelompok Tikus B.

Tabel Format XY	pO ₂ (mmHg) X	Kadar GSH Darah Y
P1	95.8	0.34925
P2	68.6	0.28175
P3	54.3	0.13700
P4	34.2	0.06000

LAMPIRAN 5: Uji Regresi Linear antara Kadar PO₂ Arteri dan GSH Darah.

Kelompok Tikus A.

Linear Reg.	Kadar GSH Darah
Best-fit values	
Slope	0.005953 ± 0.0003242
Y-intercept when X=0.0	-0.08904 ± 0.02150
X-intercept when Y=0.0	14.96
1/slope	168.0
95% Confidence Intervals	
Slope	0.004558 to 0.007348
Y-intercept when X=0.0	-0.1815 to 0.003466
X-intercept when Y=0.0	-0.7473 to 25.14
Goodness of Fit	
R square	0.9941
Sy.x	0.01449
Is slope significantly non-zero?	
F	337.1
DFn, DFd	1.000, 2.000
P value	0.0030
Deviation from zero?	Significant
Data	
Number of X values	4
Maximum number of Y replicates	1
Total number of values	4
Number of missing values	0
Equation	$Y = 0.005953 * X - 0.08904$

Kelompok Tikus B.

Linear Reg.	Kadar GSH Darah
Best-fit values	
Slope	0.004934 ± 0.0009132
Y-intercept when X=0.0	-0.1049 ± 0.06126
X-intercept when Y=0.0	21.27
1/slope	202.7
95% Confidence Intervals	
Slope	0.001004 to 0.008863
Y-intercept when X=0.0	-0.3685 to 0.1587
X-intercept when Y=0.0	-147.6 to 44.53
Goodness of Fit	
R square	0.9359
Sy.x	0.04096
Is slope significantly non-zero?	
F	29.19
DFn, DFd	1.000, 2.000
P value	0.0326
Deviation from zero?	Significant
Data	
Number of X values	4
Maximum number of Y replicates	1
Total number of values	4
Number of missing values	0
Equation	$Y = 0.004934 * X - 0.1049$

LAMPIRAN 6: Uji Korelasi Pearson antara Kadar PO₂ Arteri dan Kadar GSH Darah.

Kelompok Tikus A.

	pO ₂ (mmHg) vs. Kadar GSH Darah
Pearson r	
R	0.9970
95% confidence interval	0.8612 to 0.9999
R square	0.9941
P value	
P (two-tailed)	0.0030
P value summary	**
Significant? (alpha = 0.05)	Yes
Number of XY Pairs	4

Kelompok Tikus B.

	pO ₂ (mmHg) vs. Kadar GSH Darah
Pearson r	
R	0.9674
95% confidence interval	0.08946 to 0.9993
R square	0.9359
P value	
P (two-tailed)	0.0326
P value summary	*
Significant? (alpha = 0.05)	Yes
Number of XY Pairs	4

LAMPIRAN 7: Uji Korelasi antara PO₂ Arteri dan Kadar GSH Ginjal.

Kelompok Tikus A.

Tabel Format XY	pO ₂ (mmHg) X	Kadar GSH Ginjal Y
P1	94.7	0.631
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P3	53.9	0.322
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Kelompok Tikus B.

Tabel Format XY	pO ₂ (mmHg) X	Kadar GSH Ginjal Y
P1	95.8	0.553
P2	68.6	0.399
P3	54.3	0.283
P4	34.2	0.167

LAMPIRAN 8 : Uji Regresi Linear antara Kadar PO₂ Arteri dan GSH Ginjal.

Kelompok Tikus A.

Linear Reg.	Kadar GSH Ginjal
Best-fit values	
Slope	0.006446 ± 0.0006750
Y-intercept when X=0.0	0.006099 ± 0.04475
X-intercept when Y=0.0	-0.9462
1/slope	155.1
95% Confidence Intervals	
Slope	0.003542 to 0.009350
Y-intercept when X=0.0	-0.1865 to 0.1987
X-intercept when Y=0.0	-54.65 to 20.47
Goodness of Fit	
R square	0.9785
Sy.x	0.03017
Is slope significantly non-zero?	
F	91.21
DFn, DFd	1.000, 2.000
P value	0.0108
Deviation from zero?	Significant
Data	
Number of X values	4
Maximum number of Y replicates	1
Total number of values	4
Number of missing values	0
Equation	$Y = 0.006446 * X + 0.006099$

Kelompok Tikus B.

Linear Reg.	Kadar GSH Ginjal
Best-fit values	
Slope	0.006354 ± 0.0002920
Y-intercept when X=0.0	-0.05125 ± 0.01959
X-intercept when Y=0.0	8.065
1/slope	157.4
95% Confidence Intervals	
Slope	0.005098 to 0.007611
Y-intercept when X=0.0	-0.1356 to 0.03305
X-intercept when Y=0.0	-6.401 to 18.04
Goodness of Fit	
R square	0.9958
Sy.x	0.01310
Is slope significantly non-zero?	
F	473.4
DFn, DFd	1.000, 2.000
P value	0.0021
Deviation from zero?	Significant
Data	
Number of X values	4
Maximum number of Y replicates	1
Total number of values	4
Number of missing values	0
Equation	$Y = 0.006354 * X - 0.05125$

LAMPIRAN 9 : Uji Korelasi Pearson antara PO₂ Arteri dan Kadar GSH Ginjal.

Kelompok Tikus A.

	pO ₂ (mmHg) vs. Kadar GSH Ginjal
Pearson r	
r	0.9892
95% confidence interval	0.5704 to 0.9998
R square	0.9785
P value	
P (two-tailed)	0.0108
P value summary	*
Significant? (alpha = 0.05)	Yes
Number of XY Pairs	4

Kelompok Tikus B.

	pO ₂ (mmHg) vs. Kadar GSH Ginjal
Pearson r	
r	0.9979
95% confidence interval	0.8990 to 1.000
R square	0.9958
P value	
P (two-tailed)	0.0021
P value summary	**
Significant? (alpha = 0.05)	Yes
Number of XY Pairs	4

LAMPIRAN 10: Dokumentasi Laboratorium.

Laboratorium Pusat Studi Biofarmaka.



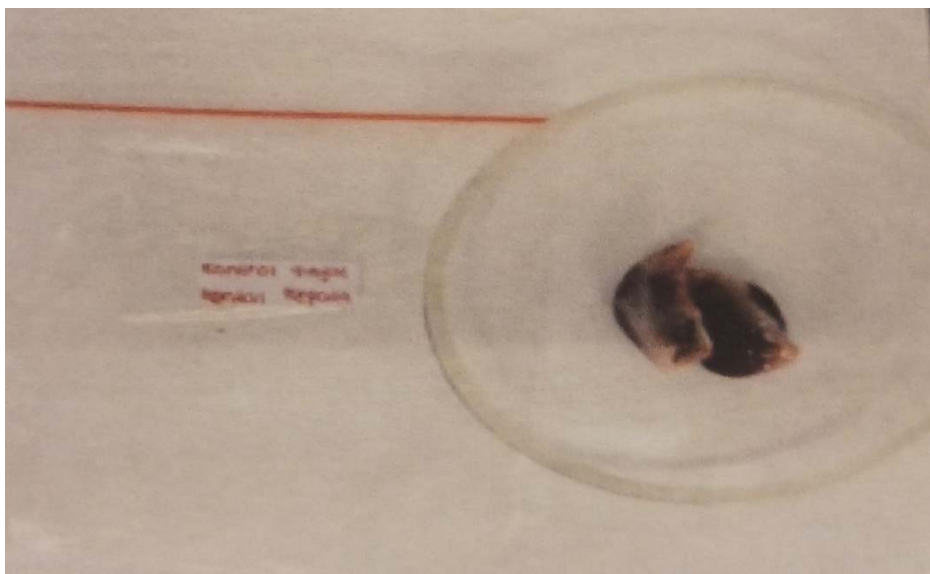
Proses Perlakuan Hipoksia Pada Tikus.



Proses Pembedahan pada Tikus.



Organ Ginjal hasil pembedahan Tikus.



LAMPIRAN 11 : Alat dan Bahan Laboratorium.

Spektrofotometer UV.



Alat Sentrifugasi seri PLC.



Micropipet.



Grinder (Homogenizer) Wheaton Science.



Hypoxic Chamber.




Ketamil dan Xyla.



LAMPIRAN 12 : Hasil indentifikasi/ Determinasi tumbuhan.

	LEMBAGA ILMU PENGETAHUAN INDONESIA <i>(INDONESIAN INSTITUTE OF SCIENCES)</i> PUSAT PENELITIAN BIOLOGI <i>(RESEARCH CENTER FOR BIOLOGY)</i> Cibinong Science Center, Jl. Raya Jakarta - Bogor KM. 46 Cibinong 16911 Telp. (+62 21) 87907636 - 87907604, Fax. 87907612 Website: www.biologi.lipi.go.id									
Cibinong, 16 Agustus 2016										
Nomor	: 1746/IPH.1.01/If.07/VIII/2016									
Lampiran	: -									
Perihal	: <u>Hasil indentifikasi/determinasi Tumbuhan</u>									
Kepada Yth. Bpk./Ibu/Sdr(i). Ferdian Mhs. Tarumanagara Jl. Letjend S. Parman No. 1 Jakarta - 11440										
Dengan hormat,										
Bersama ini kami sampaikan hasil indentifikasi/determinasi tumbuhan yang Saudara kirimkan ke "Herbarium Bogoriense", Bidang Botani Pusat Penelitian Biologi-LIPI Bogor, adalah sebagai berikut :										
<table border="1"><thead><tr><th>No.</th><th>No. Kol.</th><th>Jenis</th><th>Suku</th></tr></thead><tbody><tr><td>1</td><td>Ara</td><td><i>Ficus auriculata</i> Lour.</td><td>Moraceae</td></tr></tbody></table>	No.	No. Kol.	Jenis	Suku	1	Ara	<i>Ficus auriculata</i> Lour.	Moraceae		
No.	No. Kol.	Jenis	Suku							
1	Ara	<i>Ficus auriculata</i> Lour.	Moraceae							
Demikian, semoga berguna bagi Saudara.										
		Kepala Bidang Botani Pusat Penelitian Biologi-LIPI, <i>Dr. Djeni Setijo Rahajoe</i> NIP. 196706241993032004								
D:\Ident 2016\Ferdian.doc\Deni-Abr										
Page 1 of 1										

LAMPIRAN 13 : Lembar Persetujuan Etik.



KOMISI ETIK RISET
FAKULTAS KEDOKTERAN
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PERSETUJUAN ETIK
Ethical Clearance
Nomor: 111/KER/FK/I/2017


Komisi Etik Riset Fakultas Kedokteran Universitas Trisakti setelah mempelajari dengan seksama dan mendengarkan penjelasan dari peneliti utama tentang kemungkinan adanya dampak etis terhadap subyek riset, masyarakat dan lingkungan, menetapkan penelitian dengan judul:

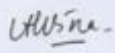
"PENGARUH DAUN ARA (*Ficus auriculata lour*) TERHADAP KADAR GLUTATION (GSH) PADA JANTUNG DAN DARAH TIKUS *Sprague dawley* YANG DIINDUKSI HIPOKSIA SISTEMIK KRONIK"

Peneliti Utama : Michael Chen
Lembaga/Tempat penelitian : FK Universitas Tarumanagara

Dinyatakan memenuhi persyaratan etik untuk dilaksanakan.

Jakarta, 30 Januari 2017


Prof. DR. dr. Adi Hidayat, MS

Sekretaris

dr. Alvina, SpPK

DAFTAR RIWAYAT HIDUP

A. Data Pribadi

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B. Latar Belakang Pendidikan

- 2002 – 2008 : SD Pius, Tegal
- 2008 – 2011 : SMP Pius, Tegal
- 2011 – 2014 : SMA ST. Angela, Bandung
- 2014 – Sekarang : Fakultas Kedokteran Universitas Tarumanagara