LAMPIRAN

LAMPIRAN 1 - Lembar Persetujuan Etik untuk Hewan

KOMISI ETIK RISET
FAKULTAS KEDOKTERAN
UNIVERSITAS TRISAKTI
Jalan Kyai Tapa,Grogol, (Kampus B) Jakarta 11440
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PERSETUJUAN ETIK
Ethical Clearance
Nomor: 145/KER/FK/I/2019

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 INDUKSI HIPOKSIA KRONIK SISTEMIK TERHADAP KADAR MALONDIALDEHIDA (MDA) HATI DAN DARAH TIKUS *SPRAGUE DAWLEY* YANG DIBERI EKSTRAK DAUN RASBERI (*RUBUS IDAEUS L*)

Peneliti Utama : Ria Nata Sia

Lembaga/Tempat penelitian : FK Universitas Tarumanagara

Dinyatakan memenuhi persyaratan etik untuk dilaksanakan.

Jakarta, 17 Januari 2019

Ketua

KOMISI ETIK RISET FAKULTAS KEDOKTERAN UNIVERSITAS TRISAKTI

Prof.DR.dr.Adi Hidayat,MS

Sekretaris

dr.Alvina.SpPK

LAMPIRAN 2 - Identifikasi LIPI Tanaman

LEMBAGA ILMU PENGETAHUAN INDONESIA
(INDONESIAN INSTITUTE OF SCIENCES)
PUSAT PENELITIAN BIOLOGI
(RESEARCH CENTER FOR BIOLOGY)
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, 6 April 2018

Nomor : 865/IPH.1.01/If.07/IV/2018
Lampiran : -
Perihal : *Hasil identifikasi/determinasi Tumbuhan*

Kepada Yth.
Bpk./Ibu/Sdr(i). **Chindy Tjandra**
Mhs. Univ. Tarumanagara
Jl. Letjend S. Parman No.1
Jakarta - 11440

Dengan hormat,

Bersama ini kami sampaikan hasil identifikasi/determinasi tumbuhan yang Saudara kirimkan ke "Herbarium Bogoriense", Bidang Botani Pusat Penelitian Biologi-LIPI Bogor, adalah sebagai berikut :

No.	No. Kol.	Jenis	Suku
1	Strawberry	*Fragaria vesca* L.	Rosaceae
2	Raspberry	*Rubus idaeus* L.	Rosaceae
3	Blackberry	*Rubus* sp.	Rosaceae

Demikian, semoga berguna bagi Saudara.

Kepala Bidang Botani
Pusat Penelitian Biologi-LIPI,

Dr. Joeni Setijo Rahajoe
NIP. 196706241993032004

C:\Users\windows 7\Desktop\dokumen lia\Ident 2018\Cindy Tjandra.doc\Hamzah-I Putu Gede

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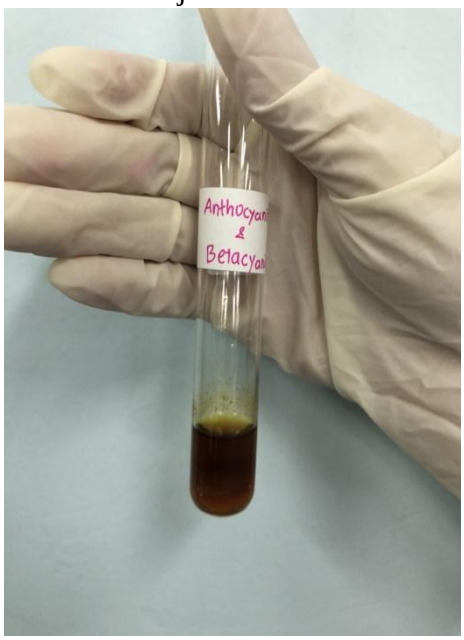
LAMPIRAN 3 - Tanaman Rasberi

Tumbuhan rasberi

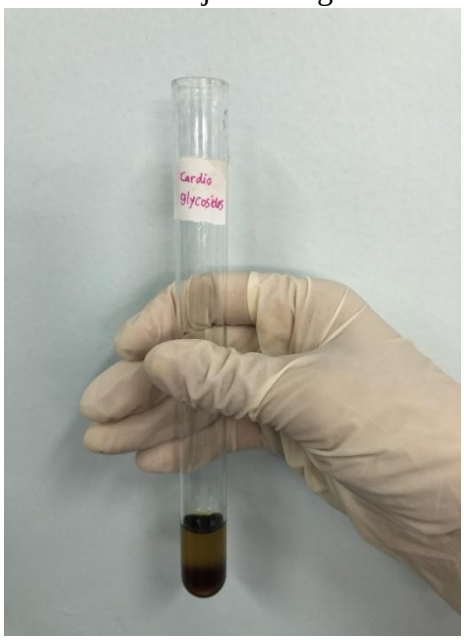
Bagian daun rasberi yang sudah dikeringkan

LAMPIRAN 4 - Hasil Uji In Vitro

Gambar 1. Uji Antosianin dan Betasianin

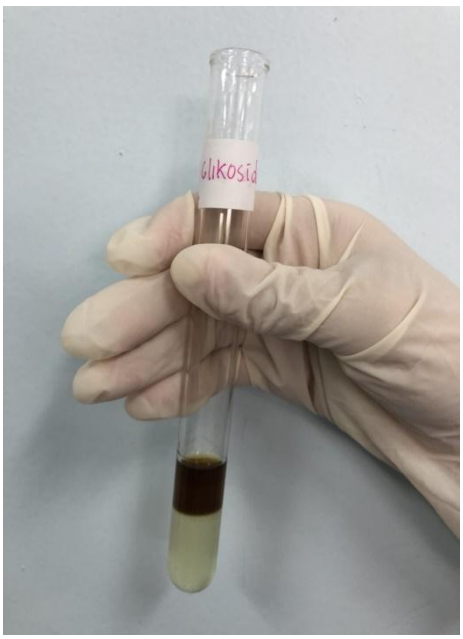


Gambar 2. Uji Kardioglikosida

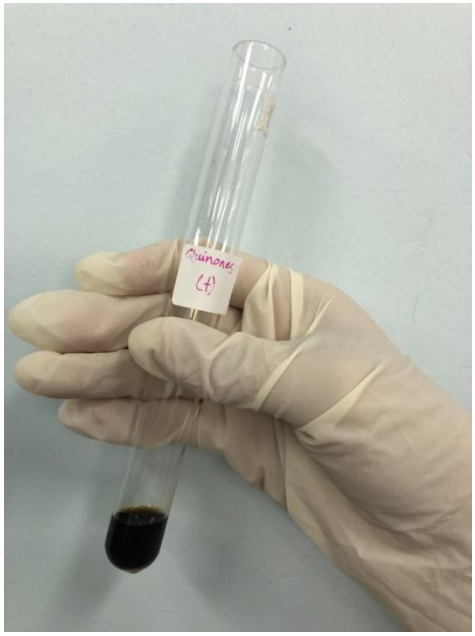


Gambar 3. Uji Koumarins

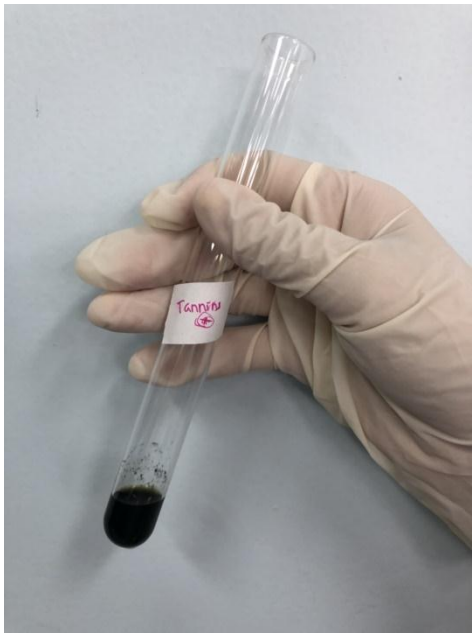
Gambar 4. Uji Glikosida



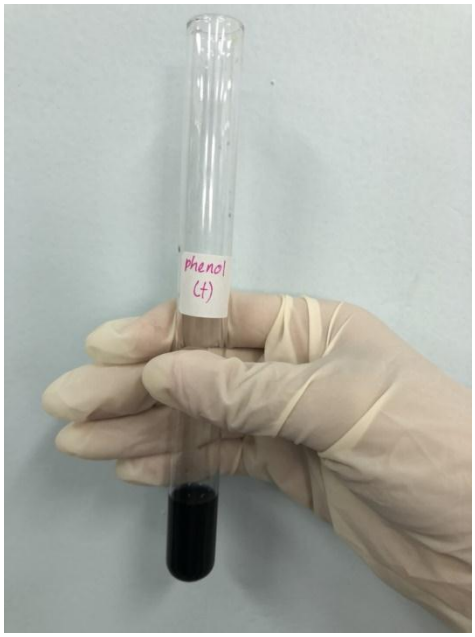
Gambar 5. Uji Kuinon



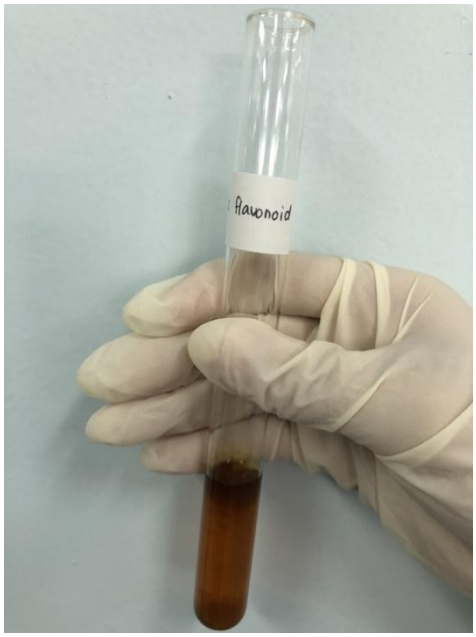
Gambar 6. Uji Tannin



Gambar 7. Uji Phenol

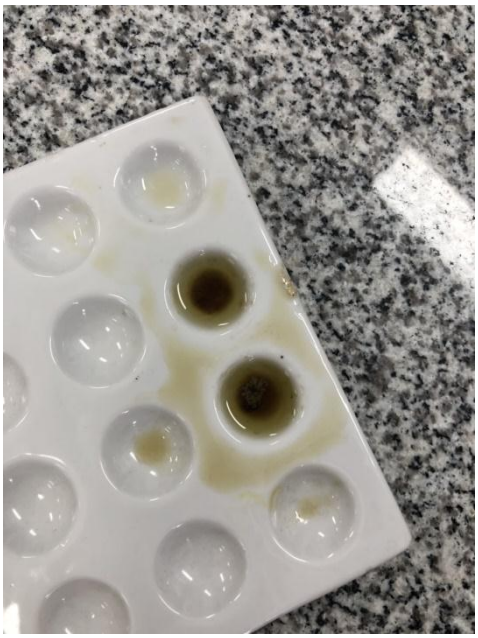


Gambar 8. Uji Flavonoid

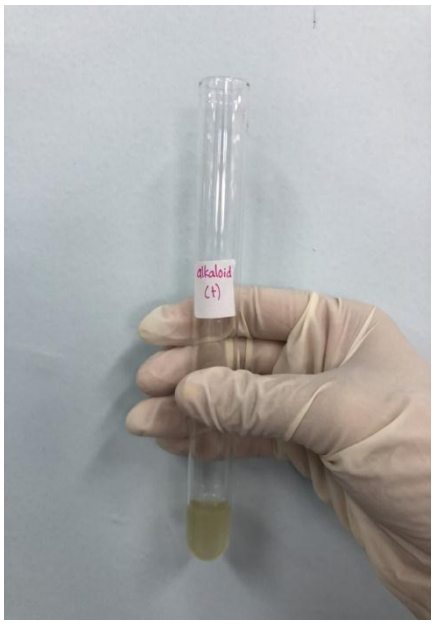


Gambar 9. Uji Steroid

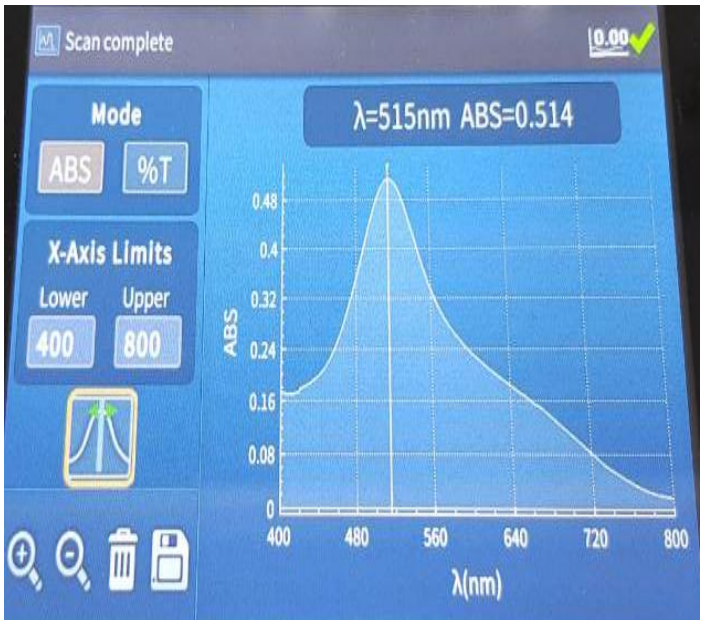
Gambar 10. Uji Terpenoid



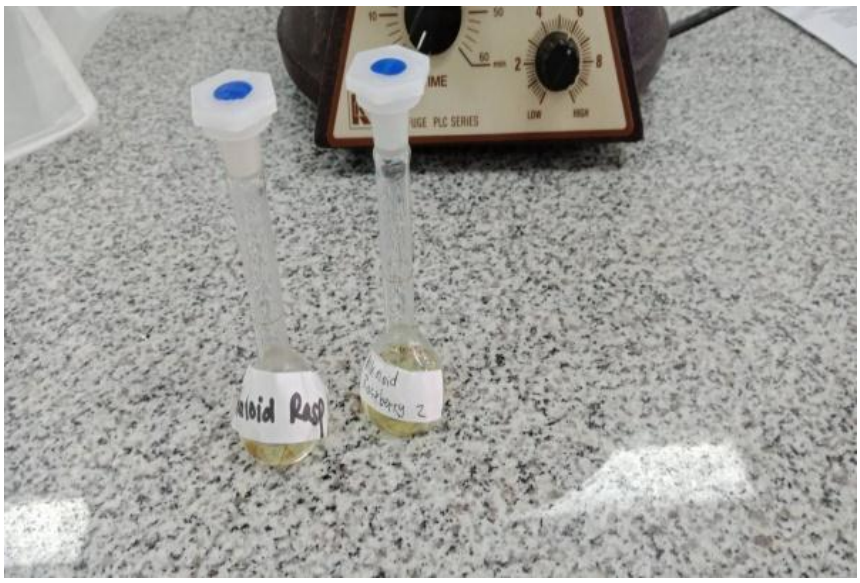
Gambar 11. Uji Alkaloid



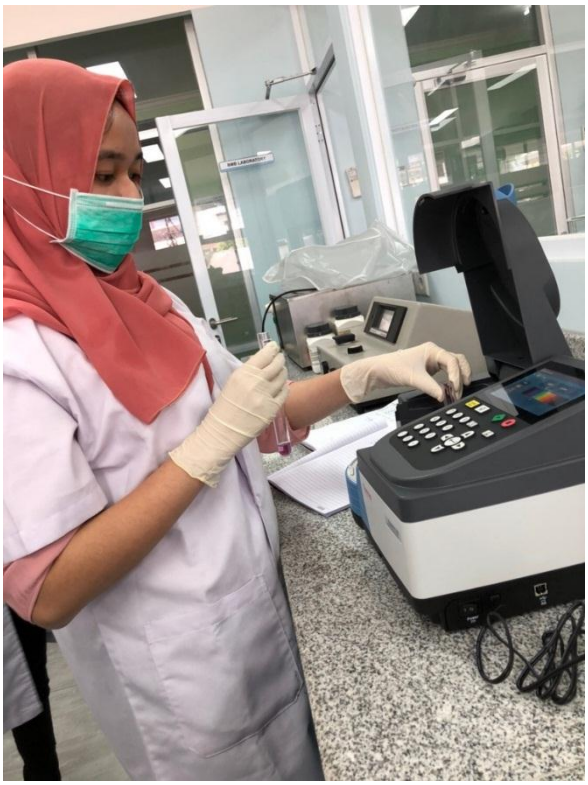
Gambar 12. Panjang Gelombang dan Absorbansi DPPH



Uji Kadar Alkaloid

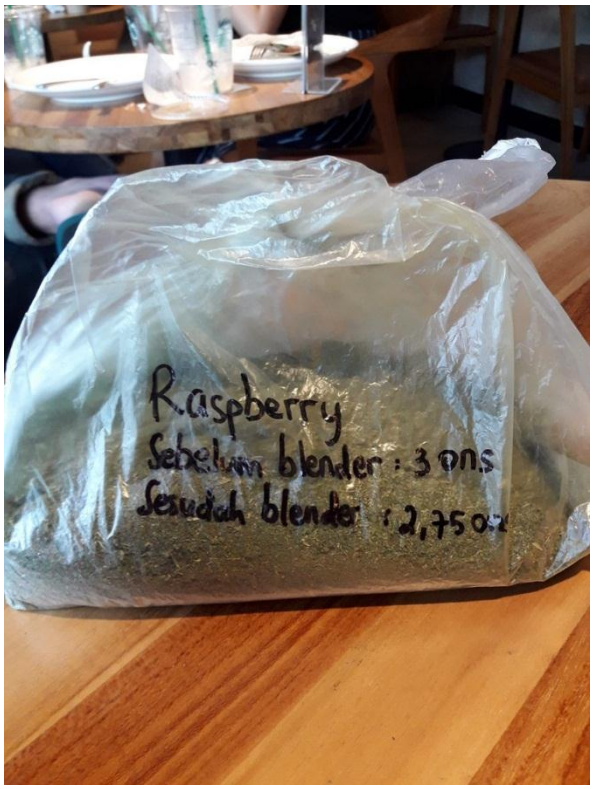


Uji DPPH

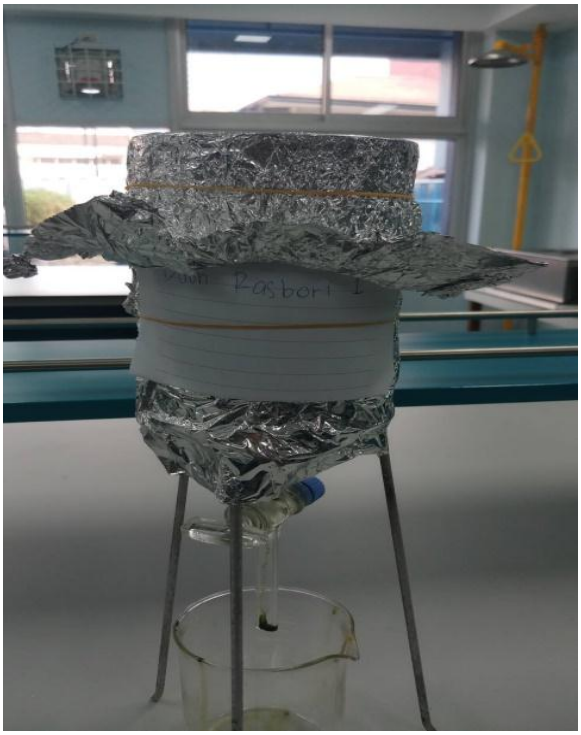


LAMPIRAN 5 - Pembuatan Ekstrak Daun Rasberi

Berat daun rasberi sebelum dan sesudah di blender



Pembuatan ekstrak daun rasberi dengan teknik maserasi



Penampungan ekstrak daun rasberi

Ekstrak daun rasberi dievaporasi dengan *rotary evaporator* untuk mendapatkan ekstrak yang kental

LAMPIRAN 6 - Proses Hipoksia dan Pembedahan Tikus Sprague-Dawley

Proses hipoksia tikus 1,7, dan 14 hari

Organ paru yang sudah diambil dan ditandai

LAMPIRAN 7 – Tabel Regresi Linear DPPH Larutan Vitamin C

Regresi Linear	Nilai
Best-fit values	
Slope	6,282
Y-intercept	19,89
X-intercept	-3,166
1/slope	0,1592
Std. Error	
Slope	0,1408
Y-intercept	0,9342
95% Confidence Intervals	
Slope	5,834 to 6,730
Y-intercept	16,92 to 22,86
X-intercept	-3,901 to -2,525
Goodness of Fit	
R square	0,9985
Sy.x	0,8907
Is slope significantly non-zero?	
F	1990
DFn, DFd	1, 3
P value	<0,0001
Deviation from zero?	Significant
Equation	Y = 6,282*X + 19,89
Data	
Number of X values	5
Maximum number of Y replicates	1
Total number of values	5
Number of missing values	0

LAMPIRAN 8 – Tabel Regresi Linear DPPH Ekstrak Daun Rasberi

Regresi Linear	Nilai
Best-fit values	
Slope	0,4447
Y-intercept	7,184
X-intercept	-16,16
1/slope	2,249
Std. Error	
Slope	0,03783
Y-intercept	2,173
95% Confidence Intervals	
Slope	0,3243 to 0,5650
Y-intercept	0,2672 to 14,10
X-intercept	-42,29 to -0,4862
Goodness of Fit	
R square	0,9787
Sy.x	2,393
Is slope significantly non-zero?	
F	138,1
DFn, DFd	1, 3
P value	0,0013
Deviation from zero?	Significant
Equation	Y = 0,4447*X + 7,184
Data	
Number of X values	5

Maximum number of Y replicates	1
Total number of values	5
Number of missing values	0

LAMPIRAN 9 – Tabel Regresi Linear Kadar Fenolik

Regresi Linear	Nilai
Best-fit values	
Slope	0,0007300
Y-intercept	0,1188
X-intercept	-162,7
1/slope	1370
Std. Error	
Slope	7,332e-005
Y-intercept	0,03810
95% Confidence Intervals	
Slope	0,0004967 to 0,0009633
Y-intercept	-0,002447 to 0,2400
X-intercept	-478,9 to 2,564
Goodness of Fit	
R square	0,9706
Sy.x	0,02319
Is slope significantly non-zero?	
F	99,13
DFn, DFd	1, 3
P value	0,0022
Deviation from zero?	Significant

Equation	Y = 0,0007300*X + 0,1188
Data	
Number of X values	5
Maximum number of Y replicates	1
Total number of values	5
Number of missing values	0

LAMPIRAN 10 – Hasil Uji Fenolik

Konsentrasi kadar fenolik dan Nilai Absorbansi Larutan Standar Tanin

Konsentrasi (μg/mL)	Rata-rata Absorbansi
300	0,289
400	0,453
500	0,539
600	0,674
700	0,716

LAMPIRAN 11 – Tabel Regresi Linear Uji Total Alkaloid Konten

Regresi Linear	Nilai
Best-fit values	
Slope	0,001715
Y-intercept	0,04810
X-intercept	-28,05
1/slope	583,1
Std. Error	
Slope	0,0002174
Y-intercept	0,01442
95% Confidence Intervals	
Slope	0,001023 to 0,002407
Y-intercept	0,002209 to 0,09399
X-intercept	-89,38 to -0,9434
Goodness of Fit	
R square	0,9540
Sy.x	0,01375
Is slope significantly non-zero?	
F	62,24
DFn, DFd	1, 3
P value	0,0042
Deviation from zero?	Significant
Equation	Y = 0,001715*X + 0,04810
Data	

Number of X values	5
Maximum number of Y replicates	1
Total number of values	5
Number of missing values	0

LAMPIRAN 12 – Hasil Uji Total Alkaloid Konten

Konsentrasi kadar Fenolik dan Nilai Absorbansi Larutan Standar *Berberine Chloride*

Konsentrasi (μg/mL)	Rata-rata Absorbansi
20	0,088
40	0,123
60	0,134
80	0,178
100	0,232

LAMPIRAN 13 – Tabel Regresi Linear Toksisitas BSLT

Regresi Linear	Nilai
Best-fit values	
Slope	0,09054
Y-intercept	13,91
X-intercept	-153,6
1/slope	11,05
Std. Error	
Slope	0,01660
Y-intercept	9,317
95% Confidence Intervals	
Slope	0,01911 to 0,1620
Y-intercept	-26,18 to 54,00
X-intercept	-2336 to 195,5
Goodness of Fit	
R square	0,9370
Sy.x	12,99
Is slope significantly non-zero?	
F	29,75
DFn, DFd	1, 2

P value	0,0320
Deviation from zero?	Significant
Equation	Y = 0,09054*X + 13,91
Data	
Number of X values	4
Maximum number of Y replicates	1
Total number of values	4
Number of missing values	0

LAMPIRAN 14 – Tabel Regresi Linear Standar MDA

Regresi Linear	Nilai
Slope	0.1191± 0.0001715
Y-intercept	0.005342±0.002021
X-intercept	-0.04487
1/slope	8.398
95% Confidence Intervals	
Slope	0,1143 to 0,1238
Y-intercept	-0.0002676 to 0.01095
X-intercept	-0.09469 to 0.002187
Goodness of Fit	
R square	0,9992
Sy.x	0.003554

Is slope significantly non-zero?	
F	4822
DFn, DFd	1, 4
P value	<0.0001
Deviation from zero?	Significant
Equation	Y = 0,1191*X + 0.005342
Data	
Number of X values	6
Maximum number of Y replicates	1
Total number of values	6
Number of missing values	0

LAMPIRAN 15 – Absorbansi Standar MDA

Kadar dan Absorbansi Standar MDA

	Kadar MDA (nmol/mL)	Absorbansi 1	Absorbansi 2	Rata-rata Absorbansi
S1	0,078	0,010	0,014	0,012
S2	0,156	0,020	0,021	0,021
S3	0,312	0,039	0,047	0,043
S4	0,625	0,084	0,086	0,085
S5	1,25	0,157	0,154	0,156
S6	2,5	0,303	0,299	0,301

S = Standar

LAMPIRAN 16 – Tabel Absorbansi dan Kadar MDA Darah Kontrol

	I	II	Rata-rata	Kadar MDA

Normoksia	0,089	0,085	0,087	0,686
	0,069	0,073	0,071	0,551
	0,068	0,070	0,069	0,534
	0,085	0,080	0,083	0,652
			0,0775	**0,606**
Hipoksia 1 Hari	0,106	0,104	0,105	0,837
	0,112	0,109	0,111	0,887
	0,107	0,105	0,106	0,845
	0,112	0,113	0,113	0,900
			0,10875	**0,868**
Hipoksia 7 Hari	0,135	0,139	0,137	1,105
	0,151	0,147	0,149	1,206
	0,129	0,134	0,132	1,063
	0,144	0,143	0,144	1,164
			0,141	**1,139**
Hipoksia 14 Hari	0,176	0,178	0,177	1,441
	0,192	0,193	0,193	1,576
	0,189	0,185	0,187	1,525
	0,181	0,177	0,179	1,458
			0,184	**1,500**

LAMPIRAN 17 – Tabel Absorbansi dan Kadar MDA Darah Uji

	I	II	Rata-rata	Kadar MDA
Normoksia	0,080	0,084	0,082	0,653
	0,067	0,072	0,069	0,534
	0,064	0,074	0,067	0,517
	0,080	0,082	0,081	0,635
			0,0747	**0,584**
Hipoksia 1 Hari	0,086	0,092	0,089	0,702
	0,085	0,087	0,086	0,677
	0,089	0,095	0,092	0,727
	0,081	0,085	0,083	0,652
			0,087	**0,689**
Hipoksia 7 Hari	0,103	0,101	0,102	0,811
	0,093	0,099	0,096	0,761
	0,101	0,096	0,098	0,778
	0,096	0,092	0,094	0,744
			0,097	**0,774**
Hipoksia 14 Hari	0,131	0,136	0,133	1,076
	0,141	0,146	0,143	1,154
	0,101	0,108	0,104	0,824
	0,117	0,121	0,119	0,954
			0,124	**1,002**

LAMPIRAN 18 – Tabel Absorbansi dan Kadar MDA Paru Uji

	I	II	Rata-rata	Kadar MDA

Normoksia	0,082	0,087	0,084	0,663
	0,086	0,089	0,087	0,682
	0,098	0,093	0,095	0,758
	0,101	0,097	0,099	0,779
			0,091	**0,584**
Hipoksia 1 Hari	0,143	0,149	0,146	1,181
	0,138	0,140	0,139	1,122
	0,135	0,139	0,137	1,105
	0,139	0,145	0,142	1,147
			0,141	**1,138**
Hipoksia 7 Hari	0,184	0,188	0,186	1,528
	0,163	0,165	0,164	1,332
	0,176	0,180	0,178	1,436
	0,169	0,173	0,171	1,397
			0,174	**1,423**
Hipoksia 14 Hari	0,207	0,211	0,209	1,708
	0,196	0,201	0,198	1,538
	0,195	0,189	0,192	1,457
	0,186	0,190	0,188	1,576
			0,196	**1,569**

LAMPIRAN 19 – Tabel Absorbansi dan Kadar MDA Paru Kontrol

	I	II	Rata-rata	Kadar MDA
Normoksia	0,174	0,180	0,177	1,441
	0,164	0,168	0,166	1,348
	0,136	0,139	0,137	1,105
	0,151	0,156	0,153	1,239
			0,158	**1,283**
Hipoksia 1 Hari	0,195	0,202	0,198	1,617
	0,252	0,267	0,255	2,096
	0,181	0,183	0,182	1,483
	0,182	0.191	0,187	1,525
			0,205	**1,680**
Hipoksia 7 Hari	0,214	0,219	0,216	1,768
	0,261	0,267	0,264	2,171
	0,202	0,207	0,204	1,667
	0,196	0,189	0,192	1,567
			0,219	**1,793**
Hipoksia 14 Hari	0,233	0,239	0,236	1,936
	0,284	0,290	0,287	2,364
	0,203	0,209	0,206	1,684
	0,204	0,212	0,208	1,701
			0,234	**1,921**

LAMPIRAN 20 – Perbandingan Kadar MDA Darah Kontrol Normoksia – 1 Hari

Table Analyzed	Darah Kontrol
Column B	1 hari
vs.	vs,
Column A	normoksia
Mann Whitney test	
P value	0,0286
Exact or approximate P value?	Exact
P value summary	*
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column A,B	10 , 26
Mann-Whitney U	0
Difference between medians	
Median of column A	0,6100, n=4
Median of column B	0,8700, n=4
Difference: Actual	0,2600
Difference: Hodges-Lehmann	0,2650

LAMPIRAN 21 – Perbandingan Kadar MDA Darah Kontrol Normoksia – 7 Hari

Table Analyzed	Darah Kontrol
Column C	7 hari
vs.	vs,
Column A	normoksia
Mann Whitney test	
P value	0,0286
Exact or approximate P value?	Exact
P value summary	*
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column A,C	10 , 26
Mann-Whitney U	0
Difference between medians	
Median of column A	0,6100, n=4
Median of column C	1,140, n=4
Difference: Actual	0,5300
Difference: Hodges-Lehmann	0,5250

LAMPIRAN 22 – Perbandingan Kadar MDA Darah Kontrol Normoksia – 14 Hari

Table Analyzed	Darah Kontrol
Column D	14 hari
vs.	vs,
Column A	normoksia
Mann Whitney test	
P value	0,0286
Exact or approximate P value?	Exact
P value summary	*
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column A,D	10 , 26
Mann-Whitney U	0
Difference between medians	
Median of column A	0,6100, n=4
Median of column D	1,495, n=4
Difference: Actual	0,8850
Difference: Hodges-Lehmann	0,8950

LAMPIRAN 23 – Perbandingan Kadar MDA Darah Uji Normoksia – 1 Hari

Table Analyzed	Darah Uji
Column B	1 hari
vs.	vs,
Column A	normoksia
Mann Whitney test	
P value	0,0286
Exact or approximate P value?	Exact
P value summary	*
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column A,B	10 , 26
Mann-Whitney U	0
Difference between medians	
Median of column A	0,5900, n=4
Median of column B	0,7850, n=4
Difference: Actual	0,1950
Difference: Hodges-Lehmann	0,2000

LAMPIRAN 24 – Perbandingan Kadar MDA Darah Uji Normoksia – 7 Hari

Table Analyzed	Darah Uji
Column C	7 hari
vs.	vs,
Column A	normoksia
Mann Whitney test	
P value	0,0286
Exact or approximate P value?	Exact
P value summary	*
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column A,C	10 , 26
Mann-Whitney U	0
Difference between medians	
Median of column A	0,5900, n=4
Median of column C	0,9300, n=4
Difference: Actual	0,3400
Difference: Hodges-Lehmann	0,3450

LAMPIRAN 25– Perbandingan Kadar MDA Darah Uji Normoksia – 14 Hari

Table Analyzed	Darah Uji
Column D	14 hari
vs.	vs,
Column A	normoksia
Mann Whitney test	
P value	0,0286
Exact or approximate P value?	Exact
P value summary	*
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column A,D	10 , 26
Mann-Whitney U	0
Difference between medians	
Median of column A	0,5900, n=4
Median of column D	1,020, n=4
Difference: Actual	0,4300
Difference: Hodges-Lehmann	0,4350

LAMPIRAN 26 – Perbandingan Kadar MDA Paru Kontrol Normoksia – 1 Hari

Table Analyzed	Paru Kontrol
Column B	1 hari
vs.	vs,
Column A	normoksia
Mann Whitney test	
P value	0,0286
Exact or approximate P value?	Exact
P value summary	*
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column A,B	10 , 26
Mann-Whitney U	0
Difference between medians	
Median of column A	1,295, n=4
Median of column B	1,570, n=4
Difference: Actual	0,2750
Difference: Hodges-Lehmann	0,3300

LAMPIRAN 27 – Perbandingan Kadar MDA Paru Kontrol Normoksia – 7 Hari

Table Analyzed	Paru Kontrol
Column C	7 hari
vs.	vs,
Column A	normoksia
Mann Whitney test	
P value	0,0286
Exact or approximate P value?	Exact
P value summary	*
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column A,C	10 , 26
Mann-Whitney U	0
Difference between medians	
Median of column A	1,295, n=4
Median of column C	1,720, n=4
Difference: Actual	0,4250

Difference: Hodges-Lehmann	0,4500

LAMPIRAN 28 – Perbandingan Kadar MDA Paru Kontrol Normoksia – 14 Hari

Table Analyzed	Paru Kontrol
Column D	14 hari
vs.	vs,
Column A	normoksia
Mann Whitney test	
P value	0,0286
Exact or approximate P value?	Exact
P value summary	*
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column A,D	10 , 26
Mann-Whitney U	0
Difference between medians	
Median of column A	1,295, n=4
Median of column D	1,825, n=4

Difference: Actual	0,5300
Difference: Hodges-Lehmann	0,5900

LAMPIRAN 29 – Perbandingan Kadar MDA Paru Uji Normoksia – 1 Hari

Table Analyzed	Paru Uji
Column B	1 hari
vs.	vs,
Column A	normoksia
Mann Whitney test	
P value	0,0286
Exact or approximate P value?	Exact
P value summary	*
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column A,C	10 , 26
Mann-Whitney U	0
Difference between medians	
Median of column A	0,7150, n=4

Median of column C	0,8950, n=4
Difference: Actual	0,1800
Difference: Hodges-Lehmann	0,1750

LAMPIRAN 30 – Perbandingan Kadar MDA Paru Uji Normoksia – 7 Hari

Table Analyzed	Paru Uji
Column C	7 hari
vs.	vs,
Column A	normoksia
Mann Whitney test	
P value	0,0286
Exact or approximate P value?	Exact
P value summary	*
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column A,C	10 , 26
Mann-Whitney U	0
Difference between medians	

Median of column A	0,7150, n=4
Median of column C	1,420, n=4
Difference: Actual	0,7050
Difference: Hodges-Lehmann	0,7050

LAMPIRAN 31 – Perbandingan Kadar MDA Paru Uji Normoksia – 14 Hari

Table Analyzed	Paru Uji
Column D	14 hari
vs.	vs,
Column A	normoksia
Mann Whitney test	
P value	0,0286
Exact or approximate P value?	Exact
P value summary	*
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column A,D	10 , 26
Mann-Whitney U	0

Difference between medians	
Median of column A	0,7150, n=4
Median of column D	1,595, n=4
Difference: Actual	0,8800
Difference: Hodges-Lehmann	0,8850

LAMPIRAN 32 – Perbandingan Kadar MDA Darah Uji dan Kontrol Normoksia

Table Analyzed	Darah Uji dan Kontrol
Column E	Normoksia cekok
vs.	vs,
Column A	Normoksia tidak cekok
Mann Whitney test	
P value	0,0286
Exact or approximate P value?	Exact
P value summary	*
Significantly different (P < 0.05)?	Yes

One- or two-tailed P value?	Two-tailed
Sum of ranks in column B,F	26 , 10
Mann-Whitney U	0
Difference between medians	
Median of column B	0,6100, n=4
Median of column F	0,4950, n=4
Difference: Actual	-0,1150
Difference: Hodges-Lehmann	-0,1100

LAMPIRAN 33 – Perbandingan Kadar MDA Darah Uji dan Kontrol Hipoksia 1 Hari

Table Analyzed	Darah Uji dan Kontrol
Column F	1 hari cekok
vs.	vs,
Column B	1 hari tidak cekok
Mann Whitney test	
P value	0,0286
Exact or approximate P value?	Exact
P value summary	*
Significantly different (P < 0.05)?	Yes

One- or two-tailed P value?	Two-tailed
Sum of ranks in column B,F	26 , 10
Mann-Whitney U	0
Difference between medians	
Median of column B	0,8700, n=4
Median of column F	0,6300, n=4
Difference: Actual	-0,2400
Difference: Hodges-Lehmann	-0,2400

LAMPIRAN 34 – Perbandingan Kadar MDA Darah Uji dan Kontrol Hipoksia 7 Hari

Table Analyzed	Darah Uji dan Kontrol
Column G	7 hari cekok
vs.	vs,
Column C	7 hari tidak cekok
Mann Whitney test	
P value	0,0286
Exact or approximate P value?	Exact

P value summary	*
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column C,G	26 , 10
Mann-Whitney U	0
Difference between medians	
Median of column C	1,140, n=4
Median of column G	0,7800, n=4
Difference: Actual	-0,3600
Difference: Hodges-Lehmann	-0,3600

LAMPIRAN 35 – Perbandingan Kadar MDA Darah Uji dan Kontrol Hipoksia 14 Hari

Table Analyzed	Darah Uji dan Kontrol
Column H	14 hari cekok
vs.	vs,
Column D	14 hari tidak cekok
Mann Whitney test	
P value	0,0286

Exact or approximate P value?	Exact
P value summary	*
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column D,H	26 , 10
Mann-Whitney U	0
Difference between medians	
Median of column D	1,495, n=4
Median of column H	1,020, n=4
Difference: Actual	-0,4750
Difference: Hodges-Lehmann	-0,4950

LAMPIRAN 36 – Perbandingan Kadar MDA Paru Uji dan Kontrol Normoksia

Table Analyzed	Paru Uji dan Kontrol
Column E	normoksia cekok
vs.	vs,
Column A	normoksia tidak cekok
Mann Whitney test	

P value	0,0286
Exact or approximate P value?	Exact
P value summary	*
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column A,E	26 , 10
Mann-Whitney U	0
Difference between medians	
Median of column A	1,295, n=4
Median of column E	0,7150, n=4
Difference: Actual	-0,5800
Difference: Hodges-Lehmann	-0,5750

LAMPIRAN 37 – Perbandingan Kadar MDA Paru Uji dan Kontrol 1 hari

Table Analyzed	Paru Uji dan Kontrol
Column F	1 hari cekok
vs.	vs,
Column B	1 hari tidak cekok

Mann Whitney test	
P value	0,0286
Exact or approximate P value?	Exact
P value summary	*
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column B,F	26 , 10
Mann-Whitney U	0
Difference between medians	
Median of column B	1,570, n=4
Median of column F	0,8950, n=4
Difference: Actual	-0,6750
Difference: Hodges-Lehmann	-0,7400

LAMPIRAN 38 – Perbandingan Kadar MDA Paru Uji dan Kontrol 7 hari

Table Analyzed	Paru Uji dan Kontrol

Column G	7 hari cekok
vs.	vs,
Column C	7 hari tidak cekok
Mann Whitney test	
P value	0,0286
Exact or approximate P value?	Exact
P value summary	*
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column C,G	26 , 10
Mann-Whitney U	0
Difference between medians	
Median of column C	1,720, n=4
Median of column G	1,420, n=4
Difference: Actual	-0,3000
Difference: Hodges-Lehmann	-0,3000

LAMPIRAN 39– Perbandingan Kadar MDA Paru Uji dan Kontrol 14 hari

Table Analyzed	Paru Uji dan Kontrol

Column H	14 hari cekok
vs.	vs,
Column D	14 hari tidak cekok
Mann Whitney test	
P value	0,0286
Exact or approximate P value?	Exact
P value summary	*
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column D,H	26 , 10
Mann-Whitney U	0
Difference between medians	
Median of column D	1,825, n=4
Median of column H	1,550, n=4
Difference: Actual	-0,2750
Difference: Hodges-Lehmann	-0,2900

LAMPIRAN 40 – Korelasi Kadar MDA Darah dan Paru Kontrol

Pearson r	
R	0,9345
95% confidence interval	-0,2612 to 0,9987
R squared	0,8732
P value	
P (two-tailed)	0,0655
P value summary	ns
Significant? (alpha = 0.05)	No
Number of XY Pairs	4

LAMPIRAN 41 – Korelasi Kadar MDA Darah dan Paru Uji

Pearson r	
R	0,9652
95% confidence interval	0,05652 to 0,9993
R squared	0,9316
P value	
P (two-tailed)	0,0348
P value summary	*
Significant? (alpha = 0.05)	Yes
Number of XY Pairs	4

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