

LAMPIRAN 1 : Kaji Etik



KOMISI ETIK RISET
FAKULTAS KEDOKTERAN
UNIVERSITAS TRISAKTI
Jalan Kyai Tapa, Grogol, (Kampus B) Jakarta 11440
Telp: (021) 5672731, 5655786
Fax : (021) 5660706

PERSETUJUAN ETIK *Ethical Clearance* Nomor: 124/KER/FK/XII/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 PEMBERIAN EKSTRAK BUAH *AEGLE MARMELLOS* TERHADAP STRES OKSIDATIF PADA PARU TIKUS *SPRAGUE DAWLEY* YANG DIINDUKSI HIPOKSIA"

Peneliti Utama : Natasha Olivia Christian

Lembaga/Tempat penelitian : FK Universitas Tarumanagara

Dinyatakan memenuhi persyaratan etik untuk dilaksanakan.

Jakarta, 18 Desember 2017

Ketua

Prof. DR. dr. Adi Hidayat, MS

Sekretaris

dr. Alvina SpPK

LAMPIRAN 2: Identifikasi Buah Maja



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, Agustus 2017

Nomor : ~~2007~~/IPH.1.01/II.07/VIII/2017
Lampiran : -
Perihal : Hasil identifikasi/determinasi Tumbuhan

Kepada Yth.
Bpk./Ibu/Sdr(i), **Erica Eksany**
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	Buah maja	<i>Aegle marmelos</i> (L.) Correa	Rutaceae

Demikian, semoga berguna bagi Saudara.

Kepala Bidang Botani
Pusat Penelitian Biologi-LIPI,


Dr. Joeni Setjo Rahajoe
NIP. 196706241993032004

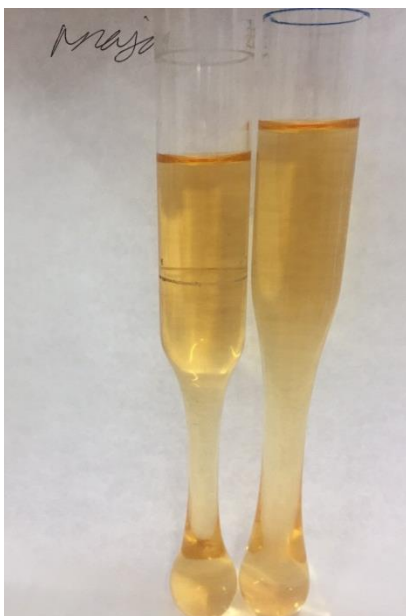
LAMPIRAN 3 : Pengukuran Pada Sampel



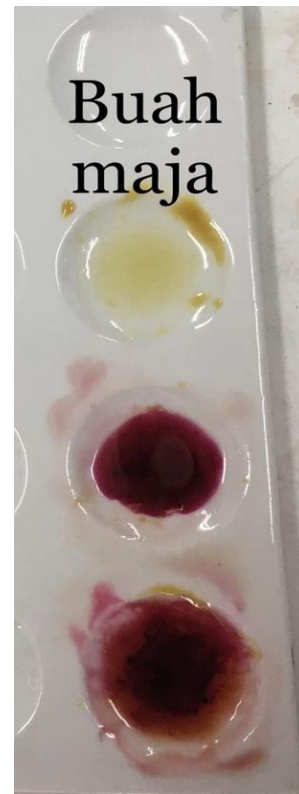
Hasil Uji Alkaloid Kualitatif



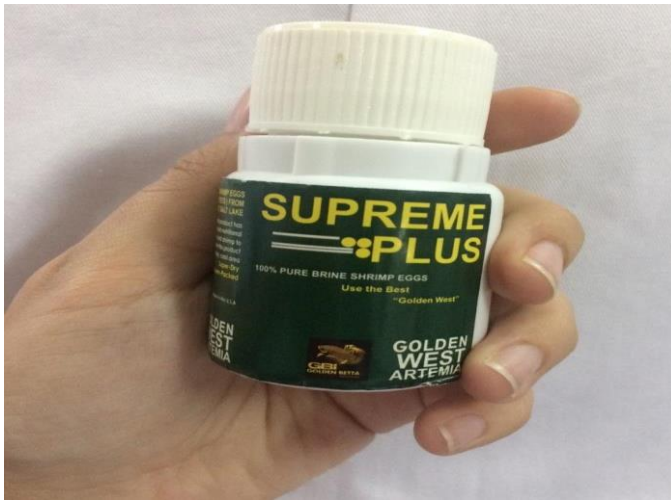
Hasil Uji Fenolik Kualitatif



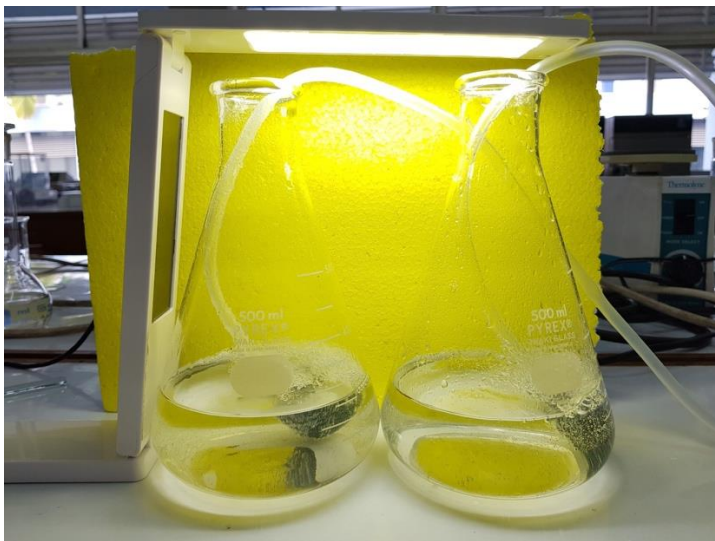
Hasil Uji Flavonoid Kualitatif



LAMPIRAN 4: Uji Toksisitas Ekstrak Buah Maja



Telur udang *Artemia salina*

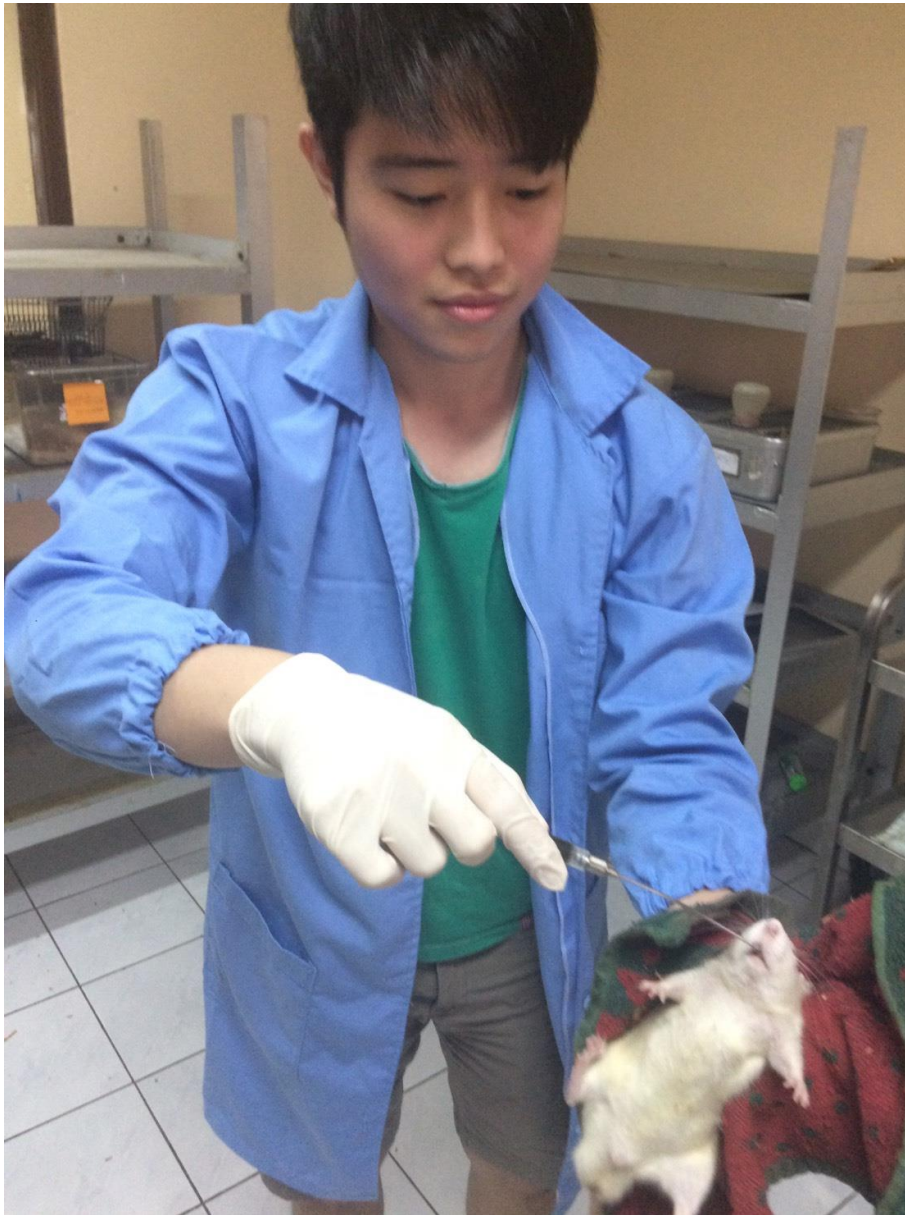


Penetasan telur menjadi larva *Artemia salina* dibawah lampu



Pengambilan larva udang *Artemia salina* hidup untuk uji toksisitas

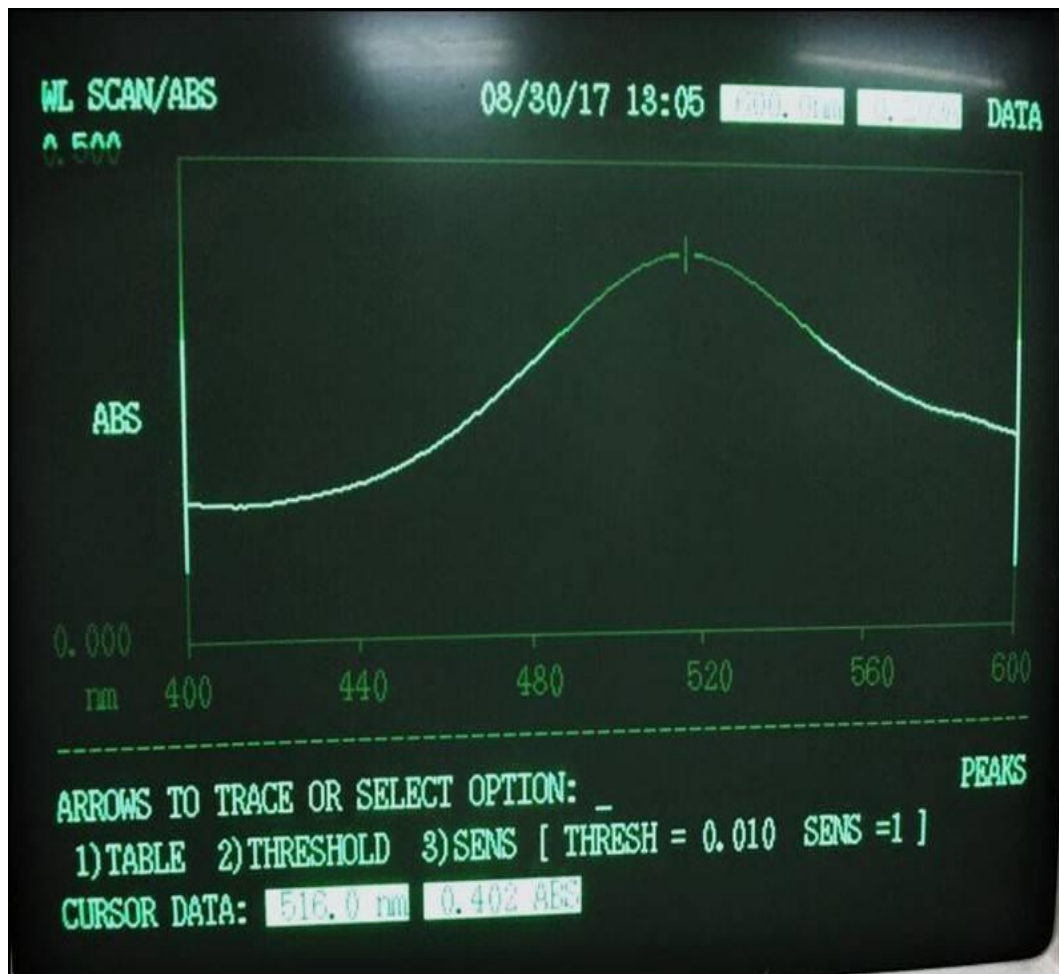
LAMPIRAN 5: Proses Pemberian Ekstrak Buah Maja pada Tikus



LAMPIRAN 6: Dokumentasi Proses Pembedahan Tikus



**LAMPIRAN 7 : Panjang Gelombang dan Absorbansi Optimum
DPPH**



LAMPIRAN 8 : Tabel Regresi Linear DPPH Buah Maja

Tabel Regresi Linear DPPH Buah Maja

Best-fit values \pm SE	
Slope	15.07 ± 0.5829
Y-intercept	-6.266 ± 2.473
X-intercept	0.4157
1/slope	0.06634
95% Confidence Intervals	
Slope	13.22 to 16.93
Y-intercept	-14.14 to 1.604
X-intercept	-0.1204 to 0.8416
Goodness of Fit	
R square	0.9955
Sy.x	1.843
Is slope significantly non-zero?	
F	668.7
DFn, DFd	1, 3
P value	0.0001
Deviation from zero?	Significant
Equation	$Y = 15.075 * X - 6.268$
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 DPPH Vitamin C

Tabel Regresi Linear DPPH Vitamin C

Best-fit values \pm SE	
Slope	0.09932 ± 0.01145
Y-intercept	23.35 ± 1.403
X-intercept	-235.1
1/slope	10.07
95% Confidence Intervals	
Slope	0.0629 to 0.1357
Y-intercept	18.89 to 27.82
X-intercept	-432.8 to -142.2
Goodness of Fit	
R square	0.9617
Sy.x	1.739
Is slope significantly non-zero?	
F	75.3
DFn, DFd	1, 3
P value	0.0032
Deviation from zero?	Significant
Equation	$Y = 0.09932 * X + 23.35$
Data	
Number of X values	5
Maximum number of Y replicates	1
Total number of values	5
Number of missing values	0

LAMPIRAN 10 : Tabel Regresi Linear Larutan Standar Tannin

Tabel Regresi Linear Larutan Standar Tannin

Best-fit values \pm SE	
Slope	$0.000728 \pm 4.881e-005$
Y-intercept	0.1254 ± 0.02536
X-intercept	-172.3
1/slope	1374
95% Confidence Intervals	
Slope	0.0005727 to 0.0008833
Y-intercept	0.04468 to 0.2061
X-intercept	-357.8 to -50.89
Goodness of Fit	
R square	0.9867
Sy.x	0.01544
Is slope significantly non-zero?	
F	222.4
DFn, DFd	1, 3
P value	0.0007
Deviation from zero?	Significant
Equation	$Y = 0.000728 * X + 0.1254$
Data	
Number of X values	5
Maximum number of Y replicates	1
Total number of values	5
Number of missing values	0

LAMPIRAN 11 : Tabel Regresi Linear Larutan Standar

Kuersetin

Table 4 Regresi Linear Larutan Standar Kuersetin

Best-fit values \pm SE	
Slope	0.01248 ± 0.0003456
Y-intercept	0.0056 ± 0.004233
X-intercept	-0.4487
1/slope	80.13
95% Confidence Intervals	
Slope	0.01138 to 0.01358
Y-intercept	-0.007872 to 0.01907
X-intercept	-1.65 to 0.5888
Goodness of Fit	
R square	0.9977
Sy.x	0.005465
Is slope significantly non-zero?	
F	1304
DFn, DFd	1, 3
P value	<0.0001
Deviation from zero?	Significant
Equation	$Y = 0.01248 * X + 0.0056$
Data	
Number of X values	5
Maximum number of Y replicates	1
Total number of values	5
Number of missing values	0

LAMPIRAN 12 : Tabel Regresi Linear Uji Toksisitas Buah Maja

Tabel Regresi Linear Uji Toksisitas Buah Maja

Linear Regression	Nilai
Best-fit values \pm SE	
Slope	0.0003664 \pm 0.0001074
Y-intercept	0.4105 \pm 0.06028
X-intercept	-1121
1/slope	2729
95% Confidence Intervals	
Slope	-9.569e-005 to 0.0008284
Y-intercept	0.1512 to 0.6699
X-intercept	-infinity to -207.1
Goodness of Fit	
R square	0.8534
Sy.x	0.08402
Is slope significantly non-zero?	
F	11.64
DFn, DFd	1, 2
P value	0.0762
Deviation from zero?	Not Significant
Equation	$Y = 0.0003664 * X + 0.4105$
Data	
Number of X values	4
Maximum number of Y replicates	1
Total number of values	4
Number of missing values	0

LAMPIRAN 13 : Tabel Regresi Linear Standar MDA

Tabel 5 Regresi Linear Standar MDA

Best-fit values \pm SE	
Slope	0.1191 ± 0.001715
Y-intercept	0.0053 ± 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	$Y = 0.1191 * X + 0.0053$
Data	
Number of X values	6
Maximum number of Y replicates	1
Total number of values	6
Number of missing values	0

LAMPIRAN 14 : Tabel Hasil Absorbansi dan Kadar MDA Darah

Tabel Darah Normoksia

	Absorbansi (Duplo)		Rata-Rata	Kadar MDA
	I	II	Absorbansi	(nmol/mL)
Tikus 1	0.046	0.042	0.044	0.325
Tikus 2	0.037	0.033	0.035	0.249
Tikus 3	0.039	0.045	0.042	0.308
Tikus 4	0.033	0.036	0.0347	0.246
	Rata-Rata		0.0389	0.282

Tabel Darah Hipoksia 3 Hari

	Absorbansi (Duplo)		Rata-Rata	Kadar MDA
	I	II	Absorbansi	(nmol/mL)
Tikus 1	0.064	0.070	0.067	0.518
Tikus 2	0.060	0.068	0.064	0.493
Tikus 3	0.075	0.067	0.071	0.551
Tikus 4	0.065	0.062	0.0635	0.488
	Rata-Rata		0.066	0.512

Tabel Darah Hipoksia 7 Hari

	Absorbansi (Duplo)		Rata-Rata	Kadar MDA
	I	II	Absorbansi	(nmol/mL)
Tikus 1	0.076	0.078	0.077	0.602
Tikus 2	0.083	0.087	0.085	0.669
Tikus 3	0.085	0.081	0.083	0.652
Tikus 4	0.081	0.075	0.078	0.610
	Rata-Rata		0.0808	0.633

Tabel Darah Hipoksia 14 Hari

	Absorbansi (Duplo)		Rata-Rata	Kadar MDA
	I	II	Absorbansi	(nmol/mL)
Tikus 1	0.110	0.108	0.109	0.870
Tikus 2	0.108	0.114	0.111	0.887
Tikus 3	0.125	0.117	0.121	0.971
Tikus 4	0.107	0.103	0.105	0.837
	Rata-Rata		0.111	0.891

Tabel Darah Uji Normoksia

	Absorbansi (Duplo)		Rata-Rata	Kadar MDA
	I	II	Absorbansi	(nmol/mL)
Tikus 1	0.029	0.021	0.025	0.165
Tikus 2	0.036	0.034	0.035	0.249
Tikus 3	0.04	0.036	0.038	0.274
Tikus 4	0.031	0.021	0.026	0.173
	Rata-Rata		0.031	0.215

Tabel Darah Uji Hipoksia 3 Hari

	Absorbansi (Duplo)		Rata-Rata	Kadar MDA
	I	II	Absorbansi	(nmol/mL)
Tikus 1	0.06	0.048	0.054	0.409
Tikus 2	0.056	0.048	0.052	0.392
Tikus 3	0.062	0.044	0.053	0.4
Tikus 4	0.063	0.049	0.056	0.425
	Rata-Rata		0.053	0.406

Tabel Darah Uji Hipoksia 7 Hari

	Absorbansi (Duplo)		Rata-Rata	Kadar MDA
	I	II	Absorbansi	(nmol/mL)
Tikus 1	0.061	0.071	0.066	0.509
Tikus 2	0.07	0.06	0.065	0.501
Tikus 3	0.065	0.059	0.062	0.476
Tikus 4	0.072	0.064	0.068	0.526
	Rata-Rata		0.065	0.503

Tabel Darah Uji Hipoksia 14 Hari

	Absorbansi (Duplo)		Rata-Rata	Kadar MDA
	I	II	Absorbansi	(nmol/mL)
Tikus 1	0.11	0.07	0.09	0.711
Tikus 2	0.089	0.083	0.086	0.677
Tikus 3	0.092	0.084	0.088	0.694
Tikus 4	0.095	0.087	0.091	0.719
	Rata-Rata		0.088	0.700

LAMPIRAN 15 : Tabel Hasil Absorbansi dan Kadar MDA Jantung

Tabel Jantung Normoksia

	Absorbansi (Duplo)		Rata-Rata	Kadar MDA
	I	II	Absorbansi	(nmol/mL)
Tikus 1	0.229	0.227	0.228	1,87
Tikus 2	0.127	0.129	0.128	1,03
Tikus 3	0.095	0.093	0.094	0,744
Tikus 4	0.149	0.151	0.150	1,215
	Rata-Rata		0.15	1,21475

Tabel Jantung Hipoksia 3 Hari

	Absorbansi (Duplo)		Rata-Rata	Kadar MDA
	I	II	Absorbansi	(nmol/mL)
Tikus 1	0.449	0.447	0.448	3,717
Tikus 2	0.397	0.399	0.398	3,297
Tikus 3	0.306	0.302	0,304	2,508
Tikus 4	0.382	0.383	0.381	3,154
	Rata-Rata		0.383	3,169

Tabel Jantung Hipoksia 7 Hari

	Absorbansi (Duplo)		Rata-Rata	Kadar MDA
	I	II	Absorbansi	(nmol/mL)
Tikus 1	0.468	0.466	0.467	3,876
Tikus 2	0.424	0.426	0.425	3,524
Tikus 3	0.469	0.467	0,468	3,885
Tikus 4	0.441	0.443	0.442	3,666
	Rata-Rata		0.4505	3,74

Tabel Jantung Hipoksia 14 Hari

	Absorbansi (Duplo)		Rata-Rata	Kadar MDA
	I	II	Absorbansi	(nmol/mL)
Tikus 1	0,472	0.470	0.471	3,91
Tikus 2	0.431	0.433	0.432	3,58
Tikus 3	0.471	0.469	0.47	3,90
Tikus 4	0.437	0.439	0.438	3,63
	Rata-Rata		0.453	3,76

Tabel Jantung Uji Normoksia

	Absorbansi (Duplo)		Rata-Rata	Kadar MDA
	I	II	Absorbansi	(nmol/mL)
Tikus 1	0.072	0.07	0.071	0.552
Tikus 2	0.067	0.065	0.066	0.51
Tikus 3	0.062	0.060	0.061	0.468
Tikus 4	0.066	0.064	0.065	0.501
	Rata-Rata		0.066	0.508

Tabel Jantung Uji Hipoksia 3 Hari

	Absorbansi (Duplo)		Rata-Rata	Kadar MDA
	I	II	Absorbansi	(nmol/mL)
Tikus 1	0.316	0.318	0.317	2,617
Tikus 2	0.389	0.387	0.388	3,213
Tikus 3	0.300	0.302	0.301	2,483
Tikus 4	0.278	0.276	0.277	2,281
	Rata-Rata		0.32	2,649

Tabel Jantung Uji Hipoksia 7 Hari

	Absorbansi (Duplo)		Rata-Rata	Kadar MDA
	I	II	Absorbansi	(nmol/mL)
Tikus 1	0.402	0.404	0.403	3,339
Tikus 2	0.379	0.377	0.378	3,129
Tikus 3	0.412	0.410	0.411	3,406
Tikus 4	0.376	0.378	0.377	3,121
	Rata-Rata		0.392	3,249

Tabel Jantung Uji Hipoksia 14 Hari

	Absorbansi (Duplo)		Rata-Rata	Kadar MDA
	I	II	Absorbansi	(nmol/mL)
Tikus 1	0.406	0.408	0.407	3,373
Tikus 2	0.432	0.430	0.431	3,574
Tikus 3	0.417	0.419	0.418	3,465
Tikus 4	0.41	0,43	0.42	3,482
	Rata-Rata		0.419	3,473

LAMPIRAN 16 : Uji Statistik Kadar MDA Darah

Tabel Perbandingan Kadar MDA pada Darah Perlakuan Normoksia dengan Hipoksia 3 Hari Pada Tikus

Table Analyzed	Darah
Column B	Hipoksia 3 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	0.2785, n=4
Median of column B	0.5055, n=4
Difference: Actual	0.227
Difference: Hodges-Lehmann	0.241

Tabel Perbandingan Kadar MDA pada Darah Perlakuan Normoksia dengan Hipoksia 7 Hari pada Tikus

Table Analyzed	Darah
Column C	Hipoksia 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	0.2785, n=4
Median of column C	0.631, n=4
Difference: Actual	0.3525
Difference: Hodges-Lehmann	0.354

Tabel Perbandingan Kadar MDA pada Darah Perlakuan Normoksia dengan Hipoksia 14 Hari pada Tikus

Table Analyzed	Darah
Column D	Hipoksia 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	0.2785, n=4
Median of column D	0.879, n=4
Difference: Actual	0.6005
Difference: Hodges-Lehmann	0.606

Tabel Perbandingan Kadar MDA pada Darah Perlakuan Normoksia dengan Hipoksia 3 Hari pada Tikus Diberi Ekstrak Buah Maja

	Cekok	Maja
Table Analyzed	Darah	
Column B	Hipoksia 3 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	0.2115, n=4	
Median of column B	0.4045, n=4	
Difference: Actual	0.193	
Difference: Hodges-Lehmann	0.197	

Tabel Perbandingan Kadar MDA pada Darah Perlakuan Normoksia dengan Hipoksia 7 Hari pada Tikus Diberi Ekstrak Buah Maja

	Cekok	Maja
Table Analyzed	Darah	
Column C	Hipoksia 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	0.2115, n=4
Median of column C	0.505, n=4
Difference: Actual	0.2935
Difference: Hodges-Lehmann	0.2895

Tabel Perbandingan Kadar MDA pada Darah Perlakuan Normoksia dengan Hipoksia 14 Hari pada Tikus Diberi Ekstrak Buah Maja

	Cekok	Maja
Table Analyzed	Darah	
Column D	Hipoksia 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	0.2115, n=4	
Median of column D	0.7025, n=4	
Difference: Actual	0.491	
Difference: Hodges-Lehmann	0.4865	

LAMPIRAN 17 : Uji Statistik Kadar MDA Jantung

Tabel Perbandingan Kadar MDA pada Jantung Perlakuan Normoksia dengan Hipoksia 3 Hari pada Tikus

Table Analyzed	jantung
Column B	hipoksia 3 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	1,123, n=4
Median of column B	3,226, n=4
Difference: Actual	2,103
Difference: Hodges-Lehmann	2,011

Tabel Perbandingan Kadar MDA pada Jantung Perlakuan Normoksia dengan Hipoksia 7 Hari pada Tikus

Table Analyzed	jantung
Column C	hipoksia 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	1,123, n=4
Median of column C	3,701, n=4
Difference: Actual	2,578
Difference: Hodges-Lehmann	2,578

Tabel Perbandingan Kadar MDA pada Jantung Perlakuan Normoksia dengan Hipoksia 14 Hari pada Tikus

Table Analyzed	jantung
Column D	hipoksia 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	1,123, n=4
Median of column D	3,768, n=4
Difference: Actual	2,645
Difference: Hodges-Lehmann	2,645

Tabel Perbandingan Kadar MDA pada Jantung Perlakuan Normoksia dengan Hipoksia 3 Hari pada Tikus Yang Diberi Ekstrak Buah Maja

Table Analyzed	jantung maja
Column B	hipoksia 3 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	0,5055, n=4
Median of column B	2,55, n=4
Difference: Actual	2,045
Difference: Hodges-Lehmann	2,04

Tabel Perbandingan Kadar MDA pada Jantung Perlakuan Normoksia dengan Hipoksia 7 Hari pada Tikus Yang Diberi Ekstrak Buah Maja

Table Analyzed	jantung maja
Column C	hipoksia 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	0,5055, n=4
Median of column C	3,234, n=4
Difference: Actual	2,729
Difference: Hodges-Lehmann	2,724

Tabel Perbandingan Kadar MDA pada Jantung Perlakuan Normoksia dengan Hipoksia 14 Hari pada Tikus Yang Diberi Ekstrak Buah Maja

Table Analyzed	jantung maja
Column D	hipoksia 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	0,5055, n=4
Median of column D	3,474, n=4
Difference: Actual	2,968
Difference: Hodges-Lehmann	2,968

LAMPIRAN 18: Uji Statistik Perbandingan Kadar MDA Darah Kelompok dan Uji

Tabel Perbandingan Kadar MDA Darah Normoksia pada Tikus yang Diberi Ekstrak Buah Maja dengan Tikus

Table Analyzed	perbandingan darah dan buah maja
Column E	normoksia maja
vs.	vs,
Column A	Normoksia
Mann Whitney test	
P value	0,2286
Exact or approximate P value?	Exact
P value summary	ns
Significantly different (P < 0.05)?	No
One- or two-tailed P value?	Two-tailed
Sum of ranks in column A,E	22,5 , 13,5
Mann-Whitney U	3,5
Difference between medians	
Median of column A	0,2785, n=4
Median of column E	0,2115, n=4
Difference: Actual	-0,067
Difference: Hodges-Lehmann	-0,074

Tabel Perbandingan Kadar MDA Darah Hipoksia 3 Hari pada Tikus yang Diberi Ekstrak Buah Maja dengan Tikus

Table Analyzed	perbandingan darah dan buah maja
Column F	hipoksia 3 hari maja
vs.	vs,
Column B	hipoksia 3 hari
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	0,5055, n=4
Median of column F	0,4045, n=4
Difference: Actual	-0,101
Difference: Hodges-Lehmann	-0,099

Tabel Perbandingan Kadar MDA Darah Hipoksia 7 Hari pada Tikus yang Diberi Ekstrak Buah Maja dengan Tikus

Table Analyzed	perbandingan darah dan buah maja
Column G	hipoksia 7 hari maja
vs.	vs,
Column C	hipoksia 7 hari
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	0,631, n=4
Median of column G	0,505, n=4
Difference: Actual	-0,126
Difference: Hodges-Lehmann	-0,13

Tabel Perbandingan Kadar MDA Darah Hipoksia 14 hari pada Tikus yang Diberi Ekstrak Buah Maja dengan Tikus

Table Analyzed	perbandingan darah dan buah maja
Column H	hipoksia 14 hari maja
vs.	vs,
Column D	hipoksia 14 hari
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	0,879, n=4
Median of column H	0,7025, n=4
Difference: Actual	-0,1765
Difference: Hodges-Lehmann	-0,1765

LAMPIRAN 19: Uji Statistik Perbandingan Kadar MDA Jantung Kelompok dan Uji

Tabel Perbandingan Kadar MDA Jantung Normoksia pada Tikus yang Diberi Ekstrak Buah Maja dengan Tikus

Table Analyzed	perbandingan jantung dan buah maja
Column E	normoksia maja
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,E	26 , 10
Mann-Whitney U	0
Difference between medians	
Median of column A	1,123, n=4
Median of column E	0,5055, n=4
Difference: Actual	-0,617
Difference: Hodges-Lehmann	-0,6125

Tabel Perbandingan Kadar MDA Jantung Hipoksia 3 Hari pada Tikus yang Diberi Ekstrak Buah Maja dengan Tikus

Table Analyzed	perbandingan jantung dan buah maja
Column F	hipoksia 3 hari maja
vs.	vs,
Column B	hipoksia 3 hari
Mann Whitney test	
P value	0,2000
Exact or approximate P value?	Exact
P value summary	ns
Significantly different ($P < 0.05$)?	No
One- or two-tailed P value?	Two-tailed
Sum of ranks in column B,F	23 , 13
Mann-Whitney U	3
Difference between medians	
Median of column B	3,226, n=4
Median of column F	2,55, n=4
Difference: Actual	-0,6755
Difference: Hodges-Lehmann	-0,604

Tabel Perbandingan Kadar MDA Jantung Hipoksia 7 Hari pada Tikus yang Diberi Ekstrak Buah Maja dengan Tikus

Table Analyzed	perbandingan jantung dan buah maja
Column G	hipoksia 7 hari maja
vs.	vs,
Column C	hipoksia 7 hari
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	3,701, n=4
Median of column G	3,234, n=4
Difference: Actual	-0,4665
Difference: Hodges-Lehmann	-0,437

Tabel Perbandingan Kadar MDA Jantung Hipoksia 14 Hari pada Tikus yang Diberi Ekstrak Buah Maja dengan Tikus

Table Analyzed	perbandingan jantung dan buah maja
Column H	hipoksia 14 hari maja
vs.	vs,
Column D	hipoksia 14 hari
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	3,768, n=4
Median of column H	3,474, n=4
Difference: Actual	-0,294
Difference: Hodges-Lehmann	-0,294

LAMPIRAN 20: Uji Korelasi *Pearson* Darah dan Organ Jantung

Tabel Uji Korelasi *Pearson* Kadar MDA Jantung dan Darah

	Darah
	vs.
	Jantung
Pearson r	
r	0,8759
95% confidence interval	-0,5386 to 0,9974
R squared	0,7672
P value	
P (two-tailed)	0,1241
P value summary	ns
Significant? (alpha = 0.05)	No
Number of XY Pairs	4

Tabel Uji Korelasi *Pearson* Kadar MDA Jantung Maja dan Darah Maja

	Darah Maja
	vs.
	Jantung Maja
Pearson r	
r	0,9088
95% confidence interval	-0,4129 to 0,9981
R squared	0,826
P value	
P (two-tailed)	0,0912
P value summary	ns
Significant? (alpha = 0.05)	No
Number of XY Pairs	4

CURICULUM VITAE

Nama Lengkap : Louis Regan
NIM : 405150077
Tempat dan Tanggal Lahir : Palembang, 6 Mei 1997
Agama : Katolik
Status : Belum Menikah
Alamat : Jln. Srijaya Negara no. 1766, Palembang
Kewarganegaraan : WNI
Pekerjaan : Mahasiswa
Email : reganlouis6@gmail.com
No. Telp : 085817385191

Riwayat Pendidikan

- 2003-2009 : SD Kristen IPEKA Palembang
- 2009-2012 : SMP Xaverius 1 Palembang
- 2012-2015 : SMA Xaverius 1 Palembang
- 2015-Sekarang : Fakultas Kedokteran Universitas Tarumanagara Jakarta