

LAMPIRAN 1- Lembar Persetujuan Etik

	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	 
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Cibinong, Agustus 2017

Nomor : 1986/IPH.1.01/If.07/VIII/2017
Lampiran : -
Perihal : Hasil identifikasi/ determinasi Tumbuhan

Kepada Yth.
Bpk./Ibu/Sdr(i). **Alfred H. Alphanto**
Univ. TARUMANAGARA
Jl. Letjen 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	Berenuk	<i>Crescentia cujete</i> L.	Bignoniaceae

Demikian, semoga berguna bagi Saudara.


Kepala Bidang Botani
Pusat Penelitian Biologi-LIPI,
Dr. Joeny Setiyo Rahajoe
NIP. 196706241993032004

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LAMPIRAN 2- Daun Berenuk



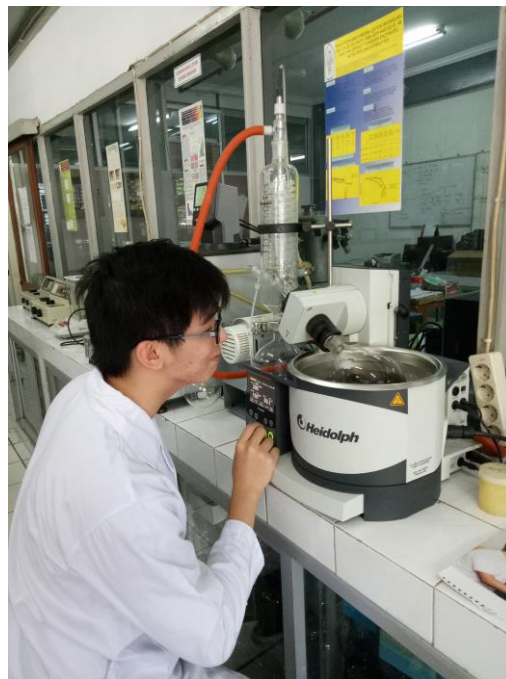
Daun *Crescentia cujete* yang telah dikeringkan



Proses penghalusan daun *Crescentia cujete* yang telah dikeringkan



Proses maserasi daun *Crescentia cujete*



Proses evaporasi

LAMPIRAN 3- Pencekokan Tikus



Tikus Sprague Dawley yang akan dicekok

LAMPIRAN 4- Proses Hipoksia



Chamber, Gas, Soda Lime



Tikus dalam *Hypoxic Chamber*

LAMPIRAN 5- Alat-alat yang Digunakan



Alat Sentrifugasi



Alat Vortex

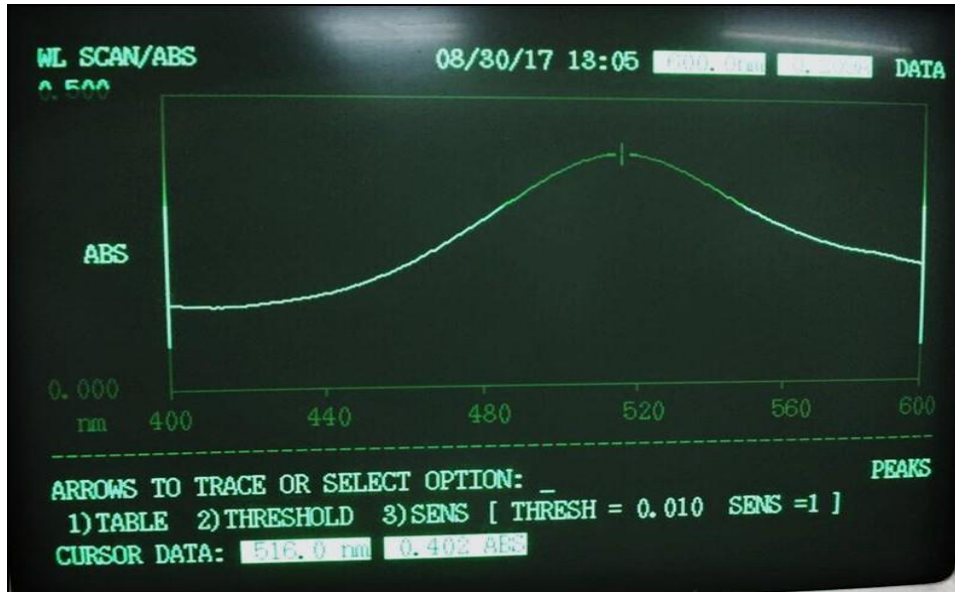


Spektrofotometer UV



Micropipet

LAMPIRAN 6- Panjang Gelombang Optimal DPPH



Panjang gelombang maksimal & absorbansi maksomial DPPH

LAMPIRAN 7 – Hasil Absorbansi GSH Darah

GSH Darah Kontrol

Normoksia	1	2	Rata"	Kadar GSH
Tikus 1	0,145	0,149	0.147	7.186441
Tikus 2	0,153	0,157	0.155	7.525424
Tikus 3	0,162	0,158	0.160	7.737288
Tikus 4	0,151	0,155	0.153	7.440678
Rata"			0.154	7.472458

Hipoksia 3	1	2	Rata"	Kadar GSH
Tikus 1	0,030	0,034	0.032	2.313559
Tikus 2	0,029	0,033	0.031	2.271186
Tikus 3	0,033	0,037	0.035	2.440678
Tikus 4	0,030	0,034	0.035	2.440678
Rata"			0.033	2.366525

Hipoksia 7	1	2	Rata"	Kadar GSH
Tikus 1	0,028	0,032	0.030	2.228814
Tikus 2	0,023	0,027	0.025	2.016949
Tikus 3	0,023	0,019	0.021	1.847458
Tikus 4	0,017	0,021	0.019	1.762712
Rata"			0.024	1.963983

Hipoksia 14	1	2	Rata"	Kadar GSH
Tikus 1	0,026	0,030	0.026	2.059322
Tikus 2	0,020	0,016	0.018	1.720339
Tikus 3	0,014	0,018	0.016	1.635593
Tikus 4	0,020	0,016	0.018	1.720339
Rata"			0.020	1.783898

GSH Darah Uji

Normoksia	1	2	Rata"	Kadar GSH
1	0.182	0.184	0.183	8.711864
2	0.165	0.169	0.167	8.033898
3	0.154	0.15	0.152	7.398305
4	0.172	0.17	0.171	8.20339
Rata"			0.168	8.086864

Hipoksia 3	1	2	Rata"	Kadar GSH
1	0.086	0.088	0.087	4.644068
2	0.062	0.058	0.060	3.5
3	0.053	0.055	0.054	3.245763
4	0.058	0.062	0.060	3.5
Rata"			0.065	3.722458

Hipoksia 7	1	2	Rata"	Kadar GSH
1	0.027	0.031	0.029	2.186441
2	0.04	0.042	0.041	2.694915
3	0.032	0.028	0.03	2.228814
4	0.051	0.055	0.053	3.20339
Rata"			0.038	2.57839

Hipoksia 14	1	2	Rata"	Kadar GSH
1	0.029	0.025	0.027	2.101695
2	0.028	0.03	0.029	2.186441
3	0.021	0.025	0.023	1.932203
4	0.02	0.016	0.018	1.720339
Rata"			0.024	1.985169

LAMPIRAN 8– Hasil Absorbansi GSH Ginjal

GSH Ginjal Kontrol

Normoksia	1	2	Rata"	Kadar GSH
Tikus 1	0.039	0.036	0.038	2.567797
Tikus 2	0.036	0.034	0.035	2.440678
Tikus 3	0.029	0.03	0.030	2.228814
Tikus 4	0.032	0.03	0.031	2.271186
Rata"			0.034	2.377119

Hipoksia 3	1	2	Rata"	Kadar GSH
Tikus 1	0.03	0.026	0.028	2.144068
Tikus 2	0.033	0.031	0.032	2.313559
Tikus 3	0.029	0.03	0.030	2.228814
Tikus 4	0.03	0.03	0.030	2.228814
Rata"			0.030	2.228814

Hipoksia 7	1	2	Rata"	Kadar GSH
Tikus 1	0.025	0.023	0.024	1.974576
Tikus 2	0.024	0.026	0.025	2.016949
Tikus 3	0.026	0.03	0.028	2.144068
Tikus 4	0.021	0.025	0.023	1.932203
Rata"			0.025	2.016949

Hipoksia 14	1	2	Rata"	Kadar GSH
Tikus 1	0.016	0.021	0.019	1.762712
Tikus 2	0.025	0.023	0.024	1.974576
Tikus 3	0.021	0.022	0.022	1.889831
Tikus 4	0.017	0.019	0.018	1.720339
Rata"			0.021	1.836864

GSH Ginjal Uji

Normoksia	1	2	Rata"	Kadar GSH
Tikus 1	0.039	0.041	0.040	2.652542
Tikus 2	0.034	0.031	0.033	2.355932
Tikus 3	0.036	0.032	0.034	2.398305
Tikus 4	0.035	0.36	0.036	2.483051
Rata"			0.036	2.472458

Hipoksia 3	1	2	Rata"	Kadar GSH
Tikus 1	0.035	0.031	0.033	2.355932
Tikus 2	0.035	0.033	0.034	2.398305
Tikus 3	0.028	0.03	0.029	2.186441
Tikus 4	0.029	0.031	0.030	2.228814
Rata"			0.032	2.292373

Hipoksia 7	1	2	Rata"	Kadar GSH
Tikus 1	0.024	0.025	0.025	2.016949
Tikus 2	0.029	0.029	0.029	2.186441
Tikus 3	0.03	0.025	0.028	2.144068
Tikus 4	0.028	0.027	0.028	2.144068
Rata"			0.028	2.122881

Hipoksia 14	1	2	Rata"	Kadar GSH
Tikus 1	0.023	0.017	0.020	1.805085
Tikus 2	0.024	0.022	0.023	1.932203
Tikus 3	0.021	0.025	0.023	1.932203
Tikus 4	0.021	0.021	0.021	1.847458
Rata"			0.022	1.879237

LAMPIRAN 10- Statistik Uji Kuantitatif

1. Statistik Uji Kapasitas Antioksidan Total (Vitamin C)

Best-fit values \pm SE	
Slope	15.07 \pm 0.5829
Y-intercept	-6.266 \pm 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	$Y = 15.07 * X - 6.266$
Data	
Number of X values	5
Maximum number of Y replicates	1
Total number of values	5
Number of missing values	0

2. Statistik Uji Kapasitas Antioksidan Total (Ekstrak Daun Berenuk)

Best-fit values ± SE	
Slope	0.349 ± 0.03886
Y-intercept	-5.302 ± 4.762
X-intercept	15.19
1/slope	2.865
95% Confidence Intervals	
Slope	0.2254 to 0.4727
Y-intercept	-20.46 to 9.854
X-intercept	-40.86 to 46.32
Goodness of Fit	
R square	0.9641
Sy.x	5.904
Is slope significantly non-zero?	
F	80.67
DFn, DFd	1, 3
P value	0.0029
Deviation from zero?	Significant
Equation	$Y = 0.349 * X - 5.302$
Data	
Number of X values	5
Maximum number of Y replicates	1
Total number of values	5
Number of missing values	0

3. Statistik Uji Fenolik Kuantitatif

Best-fit values ± SE	
Slope	0.01192 ± 0.0002117
Y-intercept	0.014 ± 0.002898
X-intercept	-1.174
1/slope	83.89
95% Confidence Intervals	
Slope	0.01101 to 0.01283
Y-intercept	0.00153 to 0.02647
X-intercept	-2.39 to -0.12
Goodness of Fit	
R square	0.9994
Sy.x	0.002366
Is slope significantly non-zero?	
F	3172
DFn, DFd	1, 2
P value	0.0003
Deviation from zero?	Significant
Equation	$Y = 0.01192 \cdot X + 0.014$
Data	
Number of X values	4
Maximum number of Y replicates	1
Total number of values	4
Number of missing values	0

4. Statistik Uji Flavonoid Kuantitatif

Best-fit values ± SE	
Slope	0.000728 ± 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

5. Statistik Uji Toksisitas

Slope	0.03666 ± 0.01074
Y-intercept	41.07 ± 6.025
X-intercept	-1120
1/slope	27.28
95% Confidence Intervals	
Slope	-0.009528 to 0.08285
Y-intercept	15.15 to 67
X-intercept	-infinity to -207.4
Goodness of Fit	
R square	0.8536
Sy.x	8.399
Is slope significantly non-zero?	
F	11.66
DFn, DFd	1, 2
P value	0.0761
Deviation from zero?	Not Significant
Equation	$Y = 0.03666 * X + 41.07$
Data	
Number of X values	4
Maximum number of Y replicates	1
Total number of values	4
Number of missing values	0

LAMPIRAN 11- Statistik Standar GSH

Best-fit values ± SE	
Slope	0.02364 ± 0.0005366
Y-intercept	-0.02263 ± 0.0029
X-intercept	0.957
1/slope	42.3
95% Confidence Intervals	
Slope	0.02193 to 0.02535
Y-intercept	-0.03185 to -0.0134
X-intercept	0.6011 to 1.277
Goodness of Fit	
R square	0.9985
Sy.x	0.003764
Is slope significantly non-zero?	
F	1941
DFn, DFd	1, 3
P value	<0.0001
Deviation from zero?	Significant
Equation	$Y = 0.02364 * X - 0.02263$
Data	
Number of X values	5
Maximum number of Y replicates	1
Total number of values	5
Number of missing values	0

LAMPIRAN 12- Uji Statistik GSH Darah

1. Uji Mann-Whitney GSH Darah Kontrol Normoksia dengan Kontrol Hipoksia 3 hari

Table Analyzed	Darah Kontrol
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	26 , 10
Mann-Whitney U	0
Difference between medians	
Median of column A	7.483, n=4
Median of column B	2.377, n=4
Difference: Actual	-5.106
Difference: Hodges-Lehmann	-5.106

2. Uji Mann-Whitney GSH Darah Kontrol Normoksia dengan Kontrol Hipoksia 7 hari

Table Analyzed	Darah Kontrol
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	26 , 10
Mann-Whitney U	0
Difference between medians	
Median of column A	7.483, n=4
Median of column C	1.932, n=4
Difference: Actual	-5.551
Difference: Hodges-Lehmann	-5.508

3. Uji Mann-Whitney GSH Darah Kontrol Normoksia dengan Kontrol Hipoksia 14 hari

Table Analyzed	Darah Kontrol
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	26 , 10
Mann-Whitney U	0
Difference between medians	
Median of column A	7.483, n=4
Median of column D	1.72, n=4
Difference: Actual	-5.763
Difference: Hodges-Lehmann	-5.72

4. Uji Mann-Whitney GSH Darah Uji Normoksia dengan Uji Hipoksia 3 hari

Table Analyzed	Darah Cekok
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	26 , 10
Mann-Whitney U	0
Difference between medians	
Median of column A	8.119, n=4
Median of column B	3.5, n=4
Difference: Actual	-4.619
Difference: Hodges-Lehmann	-4.534

5. Uji Mann-Whitney GSH Darah Uji Normoksia dengan Uji Hipoksia 7 hari

Table Analyzed	Darah Cekok
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	26 , 10
Mann-Whitney U	0
Difference between medians	
Median of column A	8.119, n=4
Median of column C	2.462, n=4
Difference: Actual	-5.657
Difference: Hodges-Lehmann	-5.508

6. Uji Mann-Whitney GSH Darah Uji Normoksia dengan Uji Hipoksia 14 hari

Table Analyzed	Darah Cekok
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	26 , 10
Mann-Whitney U	0
Difference between medians	
Median of column A	8.119, n=4
Median of column D	2.017, n=4
Difference: Actual	-6.102
Difference: Hodges-Lehmann	-6.102

7. Perbandingan Kadar GSH Darah Kelompok Normoksia Kontrol dan Uji

Table Analyzed	Perbandingan Darah Cekok & Kontrol
Column E	Normoksia Uji
vs.	vs.
Column A	Normoksia Kontrol
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 A,E	13 , 23
Mann-Whitney U	3
Difference between medians	
Median of column A	7.483, n=4
Median of column E	8.119, n=4
Difference: Actual	0.6356
Difference: Hodges-Lehmann	0.6356

8. Perbandingan Kadar GSH Darah Kelompok Hipoksia 3 Hari Kontrol dan Uji

Table Analyzed	Perbandingan Darah Cekok & Kontrol
Column F	3 Hari Uji
vs.	vs.
Column B	3 Hari Kontrol
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	10 , 26
Mann-Whitney U	0
Difference between medians	
Median of column B	2.377, n=4
Median of column F	3.5, n=4
Difference: Actual	1.123
Difference: Hodges-Lehmann	1.123

9. Perbandingan Kadar GSH Darah Kelompok Hipoksia 7 Hari Kontrol dan Uji

Table Analyzed	Perbandingan Darah Cekok & Kontrol
Column G	7 Hari Uji
vs.	vs.
Column C	7 Hari Kontrol
Mann Whitney test	
P value	0.0857
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 C,G	11.5 , 24.5
Mann-Whitney U	1.5
Difference between medians	
Median of column C	1.932, n=4
Median of column G	2.462, n=4
Difference: Actual	0.5297
Difference: Hodges-Lehmann	0.4661

10. Perbandingan Kadar GSH Darah Kelompok Hipoksia 14 Hari Kontrol dan Uji

Table Analyzed	Perbandingan Darah Cekok & Kontrol
Column H	14 Hari Uji
vs.	vs.
Column D	14 Hari Kontrol
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 D,H	13 , 23
Mann-Whitney U	3
Difference between medians	
Median of column D	1.72, n=4
Median of column H	2.017, n=4
Difference: Actual	0.2966
Difference: Hodges-Lehmann	0.2119

LAMPIRAN 12- Uji Statistik GSH Ginjal

1. Uji Mann-Whitney GSH Ginjal Kontrol Normoksia dengan Kontrol Hipoksia 3 hari

Table Analyzed	Organ Kontrol
Column B	Hipoksia 3 Hari
vs.	vs.
Column A	Normoksia
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 A,B	23 , 13
Mann-Whitney U	3
Difference between medians	
Median of column A	2.356, n=4
Median of column B	2.229, n=4
Difference: Actual	-0.1271
Difference: Hodges-Lehmann	-0.1271

2. Uji Mann-Whitney GSH Ginjal Kontrol Normoksia dengan Kontrol Hipoksia 7 hari

Table Analyzed	Organ Kontrol
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	26 , 10
Mann-Whitney U	0
Difference between medians	
Median of column A	2.356, n=4
Median of column C	1.996, n=4
Difference: Actual	-0.3602
Difference: Hodges-Lehmann	-0.3178

3. Uji Mann-Whitney GSH Ginjal Kontrol Normoksia dengan Kontrol Hipoksia 14 hari

Table Analyzed	Organ Kontrol
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	26 , 10
Mann-Whitney U	0
Difference between medians	
Median of column A	2.356, n=4
Median of column D	1.826, n=4
Difference: Actual	-0.5297
Difference: Hodges-Lehmann	-0.5297

4. Uji Mann-Whitney GSH Ginjal Uji Normoksia dengan Uji Hipoksia 3 hari

Table Analyzed	Organ Cekok
Column B	Hipoksia 3 Hari
vs.	vs.
Column A	Normoksia
Mann Whitney test	
P value	0.1429
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,B	24 , 12
Mann-Whitney U	2
Difference between medians	
Median of column A	2.441, n=4
Median of column B	2.292, n=4
Difference: Actual	-0.1483
Difference: Hodges-Lehmann	-0.1695

5. Uji Mann-Whitney GSH Ginjal Uji Normoksia dengan Uji Hipoksia 7 hari

Table Analyzed	Organ Cekok
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	26 , 10
Mann-Whitney U	0
Difference between medians	
Median of column A	2.441, n=4
Median of column C	2.144, n=4
Difference: Actual	-0.2966
Difference: Hodges-Lehmann	-0.339

6. Uji Mann-Whitney GSH Ginjal Uji Normoksia dengan Uji Hipoksia 14 hari

Table Analyzed	Organ Cekok
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	26 , 10
Mann-Whitney U	0
Difference between medians	
Median of column A	2.441, n=4
Median of column D	1.89, n=4
Difference: Actual	-0.5508
Difference: Hodges-Lehmann	-0.5508

7. Perbandingan Kadar GSH Ginjal Kelompok Normoksia Kontrol dan Uji

Table Analyzed	Perbandingan Organ Cekok & Kontrol
Column E	Normoksia Uji
vs.	vs.
Column A	Normoksia Kontrol
Mann Whitney test	
P value	0.4857
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	15 , 21
Mann-Whitney U	5
Difference between medians	
Median of column A	2.356, n=4
Median of column E	2.441, n=4
Difference: Actual	0.08475
Difference: Hodges-Lehmann	0.1059

8. Perbandingan Kadar GSH Ginjal Kelompok Hipoksia 3 Hari Kontrol dan Uji

Table Analyzed	Perbandingan Organ Cekok & Kontrol
Column F	3 Hari Uji
vs.	vs.
Column B	3 Hari Kontrol
Mann Whitney test	
P value	0.4857
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	15 , 21
Mann-Whitney U	5
Difference between medians	
Median of column B	2.229, n=4
Median of column F	2.292, n=4
Difference: Actual	0.06356
Difference: Hodges-Lehmann	0.06356

9. Perbandingan Kadar GSH Ginjal Kelompok Hipoksia 7 Hari Kontrol dan Uji

Table Analyzed	Perbandingan Organ Cekok & Kontrol
Column G	7 Hari Uji
vs.	vs.
Column C	7 Hari Kontrol
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 C,G	12.5 , 23.5
Mann-Whitney U	2.5
Difference between medians	
Median of column C	1.996, n=4
Median of column G	2.144, n=4
Difference: Actual	0.1483
Difference: Hodges-Lehmann	0.1271

10. Perbandingan Kadar GSH Ginjal Kelompok Hipoksia 14 Hari Kontrol dan Uji

Table Analyzed	Perbandingan Organ Cekok & Kontrol
Column H	14 Hari Uji
vs.	vs.
Column D	14 Hari Kontrol
Mann Whitney test	
P value	0.6286
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 D,H	16 , 20
Mann-Whitney U	6
Difference between medians	
Median of column D	1.826, n=4
Median of column H	1.89, n=4
Difference: Actual	0.06356
Difference: Hodges-Lehmann	0.04237

LAMPIRAN 12- Uji Statistik Kadar GSH Darah dan Ginjal

1. Uji Regresi Linier Antara Kadar GSH Darah dan Kadar GSH Ginjal Tikus Kontrol

Best-fit values \pm SE	
Slope	9.133 \pm 4.949
Y-intercept	-15.92 \pm 10.52
X-intercept	1.743
1/slope	0.1095
95% Confidence Intervals	
Slope	-12.16 to 30.43
Y-intercept	-61.17 to 29.33
X-intercept	-infinity to +infinity
Goodness of Fit	
R square	0.63
Sy.x	2.032
Is slope significantly non-zero?	
F	3.406
DFn, DFd	1, 2
P value	0.2063
Deviation from zero?	Not Significant
Equation	$Y = 9.133 \cdot X - 15.92$
Data	
Number of X values	4
Maximum number of Y replicates	1
Total number of values	4
Number of missing values	0

2. Uji Regresi Linier Antara Kadar GSH Darah dan Kadar GSH Ginjal Tikus Uji

Best-fit values \pm SE	
Slope	9.653 \pm 3.614
Y-intercept	-17.06 \pm 7.96
X-intercept	1.768
1/slope	0.1036
95% Confidence Intervals	
Slope	-5.897 to 25.2
Y-intercept	-51.31 to 17.19
X-intercept	-infinity to 2.133
Goodness of Fit	
R square	0.781
Sy.x	1.581
Is slope significantly non-zero?	
F	7.134
DFn, DFd	1, 2
P value	0.1162
Deviation from zero?	Not Significant
Equation	$Y = 9.653 * X - 17.06$
Data	
Number of X values	4
Maximum number of Y replicates	1
Total number of values	4
Number of missing values	0

3. Uji Korelasi Pearson Antara Kadar GSH Darah dan Ginjal Tikus Kontrol

Pearson r	
r	0.7937
95% confidence interval	-0.7057 to 0.9954
R squared	0.63
P value	
P (two-tailed)	0.2063
P value summary	ns
Significant? (alpha = 0.05)	No
Number of XY Pairs	4

4. Uji Korelasi Pearson Antara Kadar GSH Darah dan Ginjal Tikus Uji

Pearson r	
r	0.8838
95% confidence interval	-0.5134 to 0.9976
R squared	0.781
P value	
P (two-tailed)	0.1162
P value summary	ns
Significant? (alpha = 0.05)	No
Number of XY Pairs	4

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