

LAMPIRAN

Lampiran 1: Persetujuan Kaji Etik



KOMISI ETIK RISET
FAKULTAS KEDOKTERAN
UNIVERSITAS TRISAKTI
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PERSETUJUAN ETIK
Ethical Clearance
Nomor: 125/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 DAUN *CRESCENTIA CUJETE* TERHADAP STRES OKSIDATIF PADA JANTUNG DAN OTAK TIKUS *SPRAGUE DAWLEY* YANG DIINDUKSI HIPOKSIA"

Peneliti Utama : Alfred H Alphanto

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: Hasil Identifikasi / Determinasi Tumbuhan



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

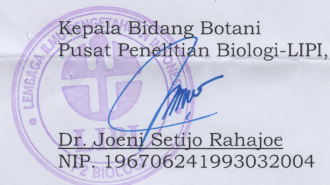
Kepada Yth.
Bpk./Ibu/Sdr(i). **Alfred H. Alphanto**
Univ. TARUMANAGARA
Jl. Letjen S. Parman No. 1
Jakarta 11440

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 :

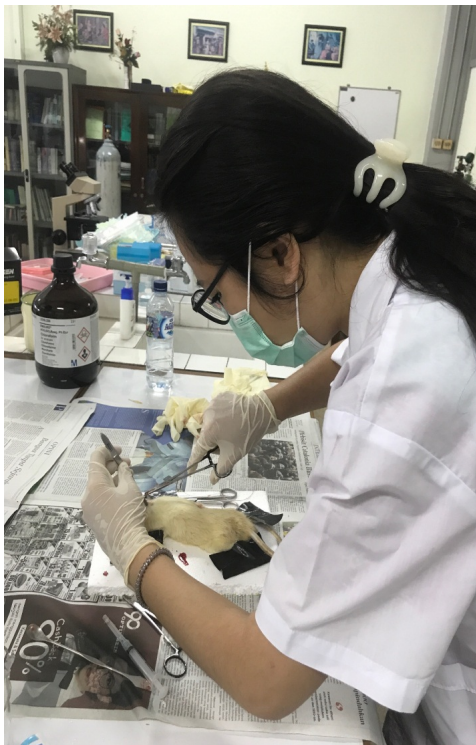
No.	No. Kol.	Jenis	Suku
1	Berenuk	<i>Crescentia cujete</i> L.	Bignoniaceae

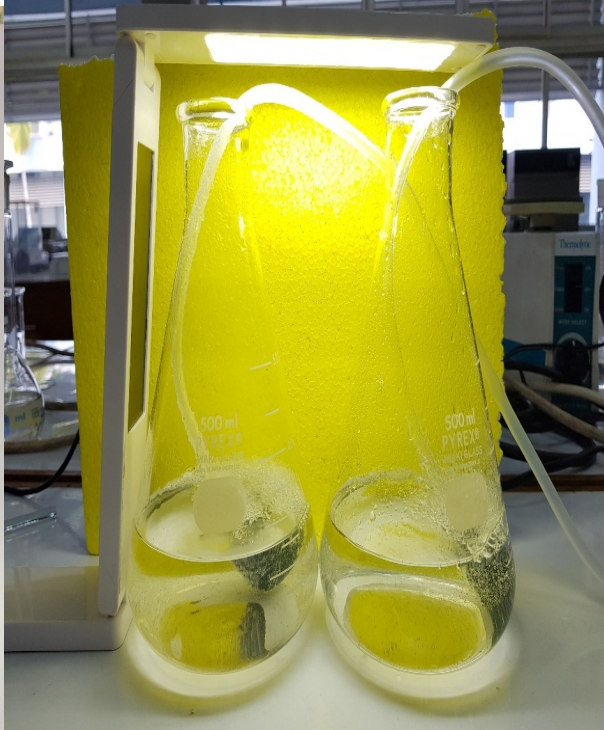
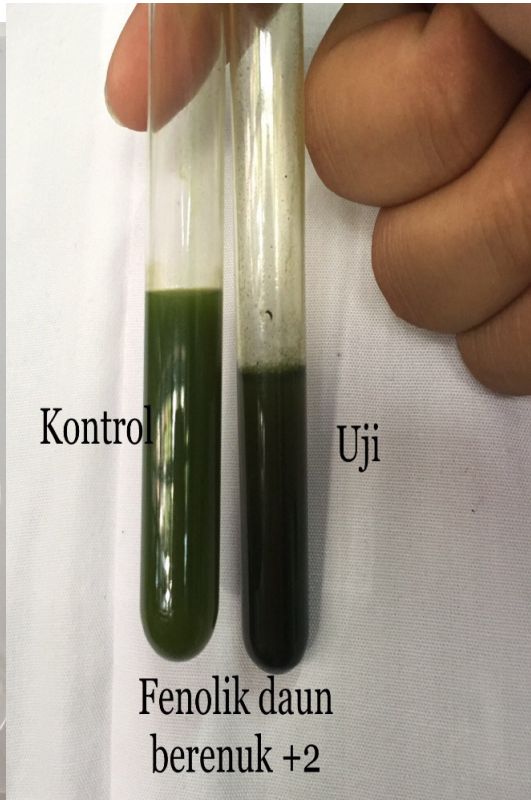
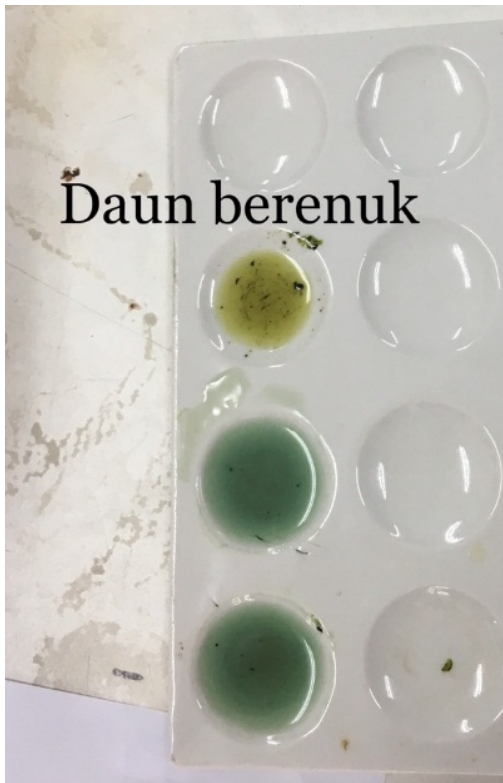
Demikian, semoga berguna bagi Saudara.

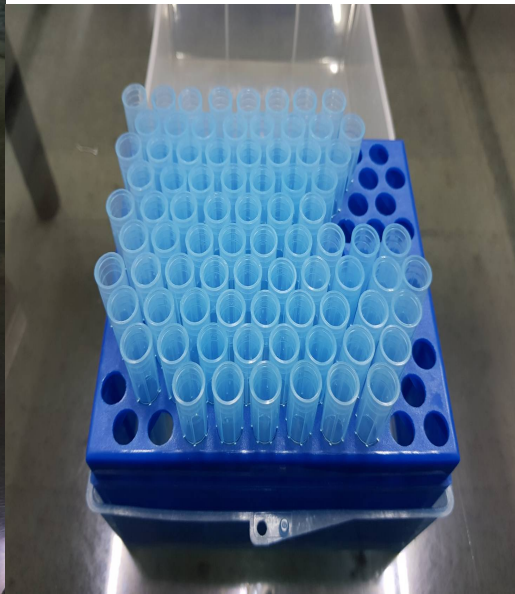
Kepala Bidang Botani
Pusat Penelitian Biologi-LIPI,

Dr. Joeny Setiyo Rahajoe
NIP. 196706241993032004

Lampiran 3: Dokumentasi di Laboratorium

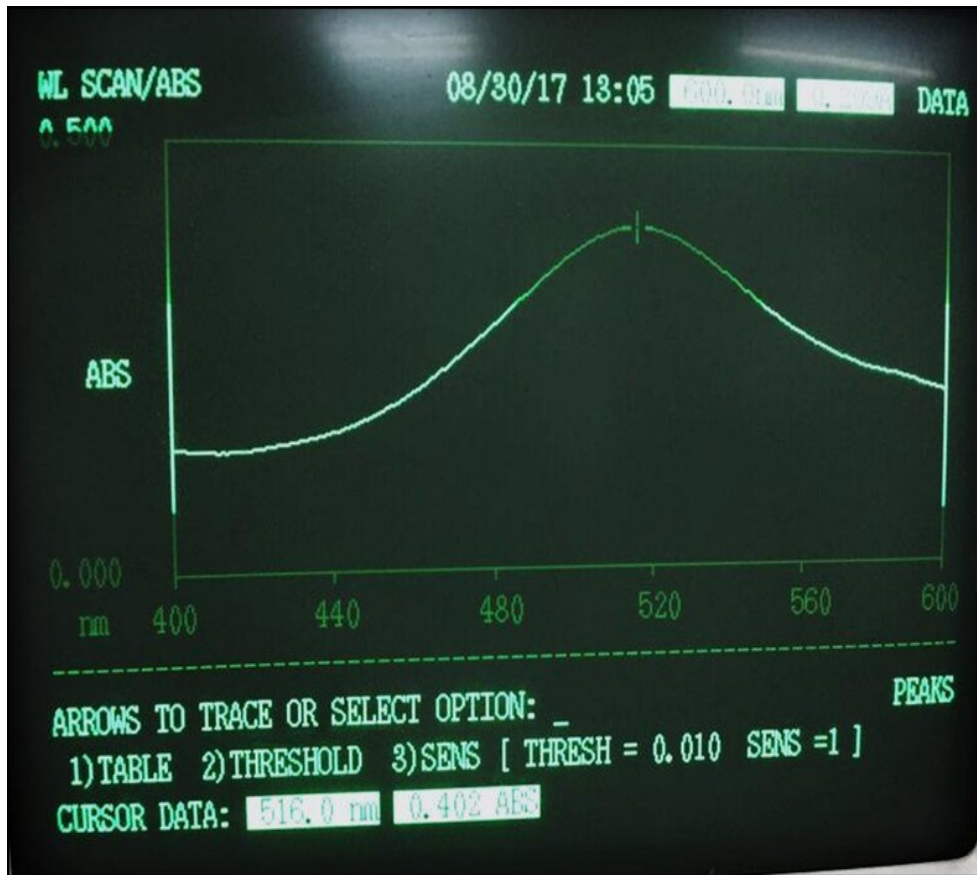








Lampiran 4: Panjang Gelombang DPPH



Lampiran 5: Nilai Konsentrasi, Absorbansi, dan % Inhibisi Vitamin C

Konsentrasi ($\mu\text{g/mL}$)	Absorbansi	% Inhibisi	IC_{50} ($\mu\text{g/mL}$)
2	0.312	22.39	
3	0.235	41.54	
4	0.189	52.99	3.73
5	0.123	69.40	
6	0.065	83.83	

Lampiran 6: Nilai konsentrasi, absorbansi, dan % inhibisi Ekstrak Etanol Daun

Berenuk (*Crescentia cujete*)

Konsentrasi ($\mu\text{g/mL}$)	Absorbansi	% Inhibisi	IC₅₀ ($\mu\text{g/mL}$)
10	0.392	2.49	
50	0.356	11.44	
100	0.301	25.12	158.46
150	0.234	41.79	
200	0.118	70.65	

Lampiran 7: Nilai konsentrasi, absorbansi 1, absorbansi 2 dan absorbansi rata rata kadar fenolik larutan standar tanin

Konsentrasi	Absorbansi 1	Absorbansi 2	Absorbansi rerata
300	0.329	0.359	0.344
400	0.423	0.427	0.425
500	0.468	0.470	0.469
600	0.584	0.570	0.577
700	0.645	0.619	0.632

Lampiran 8: Nilai konsentrasi, absorbansi larutan standar Kuersetin

Konsentrasi	Absorbansi
0	0
5	0.072
10	0.136
15	0.192
20	0.252

Lampiran 9: Hasil absorbansi terhadap konsentrasi BSA

Konsentrasi (mg/mL)	Rata-rata Absorbansi
0.025	0.076
0.050	0.099
0.100	0.146
0.200	0.233
0.400	0.404
0.500	0.486
0.600	0.522
0.800	0.742

Lampiran 10: Regresi Linear Uji DPPH Vitamin C

Linear Regression	
Best-fit values	
Slope	15.07 ± 0.5829
Y-Intercept when $X = 0.0$	-6.266 ± 2.473
X-Intercept when $Y = 0.0$	0.4157
1/slope	0.06634
95% Confidence Intervals	
Slope	13.22 to 16.93
Y-Intercept when $X = 0.0$	-14.14 to 1.603
X-Intercept when $Y = 0.0$	-0.1203 to 0.8415
Goodness of Fit	
R square	0.9955
Sy.x	1.843
Is slope significantly non-zero?	
F	668.7
DFn, DFd	1.000, 3.000
P value	0.0001
Deviation from zero?	Significant
Data	
Number of X values	5
Maximum number of Y replicates	1
Total number of values	5
Number of missing values	10
Equation	$Y = 15.07 * X - 6.266$

Lampiran 11: Regresi Linear Uji DPPH EkstrakDaun Berenuk
(Crescentia cujete)

Linear Regression	
Best-fit values	
Slope	0.3490 ± 0.02380
Y-Intercept when X = 0.0	-5.302 ± 2.916
X-Intercept when Y = 0.0	15.19
1/slope	2.865
95% Confidence Intervals	
Slope	0.2941 to 0.4039
Y-Intercept when X = 0.0	-12.03 to 1.423
X-Intercept when Y = 0.0	-4.696 to 30.68
Goodness of Fit	
R square	0.9641
Sy.x	5.113
Is slope significantly non-zero?	
F	215.1
DFn, DFd	1.000, 8.000
P value	< 0.0001
Deviation from zero?	Significant
Data	
Number of X values	5
Maximum number of Y replicates	2
Total number of values	10
Number of missing values	5
Equation	$Y = 0.3490 * X - 5.302$

Lampiran 12: Regresi Linear Uji Fenolik Tanin

Linear Regression	
Best-fit values	
Slope	$0.0007280 \pm 4.881e-005$
Y-Intercept when X = 0.0	0.1254 ± 0.02536
X-Intercept when Y = 0.0	-172.3
1/slope	1374
95% Confidence Intervals	
Slope	0.0005727 to 0.0008833
Y-Intercept when X = 0.0	0.04469 to 0.2061
X-Intercept when Y = 0.0	-357.7 to -50.90
Goodness of Fit	
R square	0.9867
Sy.x	0.01544
Is slope significantly non-zero?	
F	222.4
DFn, DFd	1.000, 3.000
P value	0.0007
Deviation from zero?	Significant
Data	
Number of X values	5
Maximum number of Y replicates	1
Total number of values	5
Number of missing values	10
Equation	$Y = 0.0007280 * X + 0.1254$

Lampiran 13: Regresi Linear Uji Flavonoid Kuersetin

Linear Regression	
Best-fit values	
Slope	0.01248 ± 0.0003456
Y-Intercept when X = 0.0	0.005600 ± 0.004233
X-Intercept when Y = 0.0	-0.4487
1/slope	80.13
95% Confidence Intervals	
Slope	0.01138 to 0.01358
Y-Intercept when X = 0.0	-0.007870 to 0.01907
X-Intercept when Y = 0.0	-1.650 to 0.5887
Goodness of Fit	
R square	0.9977
Sy.x	0.005465
Is slope significantly non-zero?	
F	1304
DFn, DFd	1.000, 3.000
P value	< 0.0001
Deviation from zero?	Significant
Data	
Number of X values	5
Maximum number of Y replicates	1
Total number of values	5
Number of missing values	10
Equation	$Y = 0.01248 * X + 0.005600$

Lampiran 14: Regresi Linear Uji Toksisitas BSLT

Linear Regression	
Best-fit values	
Slope	0.007855 ± 0.0006715
Y-Intercept when X = 0.0	2.038 ± 0.3769
X-Intercept when Y = 0.0	-259.5
1/slope	127.3
95% Confidence Intervals	
Slope	0.004966 to 0.01074
Y-Intercept when X = 0.0	0.4165 to 3.660
X-Intercept when Y = 0.0	-684.4 to -41.75
Goodness of Fit	
R square	0.9856
Sy.x	0.5253
Is slope significantly non-zero?	
F	136.8
DFn, DFd	1.000, 2.000
P value	0.0072
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	8
Equation	$Y = 0.007855 * X + 2.038$

Lampiran 15: Regresi Linear Uji Standar Protein BSA

Linear Regression	
Best-fit values	
Slope	0.8335 ± 0.02395
Y-Intercept when X = 0.0	0.05981 ± 0.01024
X-Intercept when Y = 0.0	-0.07177
1/slope	1.200
95% Confidence Intervals	
Slope	0.7748 to 0.8921
Y-Intercept when X = 0.0	0.03475 to 0.08488
X-Intercept when Y = 0.0	-0.1081 to -0.03947
Goodness of Fit	
R square	0.9951
Sy.x	0.01806
Is slope significantly non-zero?	
F	1211
DFn, DFd	1.000, 6.000
P value	< 0.0001
Deviation from zero?	Significant
Data	
Number of X values	8
Maximum number of Y replicates	1
Total number of values	8
Number of missing values	16
Equation	$Y = 0.8335 * X + 0.05981$

**Lampiran 16: Uji Statistik Mann Whitney Aktivitas Spesifik Katalase Darah
Tikus Kelompok Cekok**

COL. Stats	NOC	H3C	H7C	H14C
Mean	0.1275	0.06952	0.04392	0.02394
Std. Deviation	0.01571	0.005886	0.005221	0.002249
Std. Error	0.007853	0.002943	0.002611	0.001125
Mann-Whitney test		H3C	H7C	H14C
		Vs	Vs	vs
		NOC	NOC	NOC
P value		0.0286	0.0286	0.0286
Significantly different (p<0.05)?		Yes	Yes	Yes
One- or two- tailed P value		Two-tailed	Two-tailed	Two-tailed

**Lampiran 17: Uji Statistik Mann Whitney Aktivitas Spesifik Katalase Darah
Tikus Kelompok Kontrol**

COL. Stats	NOK	H3K	H7K	H14K
Mean	0.1142	0.06517	0.03600	0.01375
Std. Deviation	0.01611	0.02296	0.009779	0.004984
Std. Error	0.008053	0.01148	0.004890	0.002492
Mann-Whitney test		H3K	H7K	H14K
		vs	vs	vs
		NOK	NOK	NOK
P value		0.0286	0.0286	0.0286
Significantly different (p<0.05)?		Yes	Yes	Yes
One- or two- tailed P value		Two-tailed	Two-tailed	Two-tailed

**Lampiran 18: Uji Statistik Mann Whitney Aktivitas Spesifik Katalase Hati
Tikus Kelompok Cekok**

COL. Stats	NOC	H3C	H7C	H14C
Mean	0.3848	0.1783	0.1091	0.06810
Std. Deviation	0.1570	0.0449	0.04120	0.01836
Std. Error	0.07850	0.02245	0.02060	0.009182
Mann-Whitney test		H3C	H7C	H14C
		vs	vs	vs
		NOC	NOC	NOC
P value		0.0571	0.0286	0.0286
Significantly different (p<0.05)?		No	Yes	Yes
One- or two- tailed P value		Two-tailed	Two-tailed	Two-tailed

**Lampiran 19: Uji Statistik Mann Whitney Aktivitas Spesifik Katalase Hati
Tikus Kelompok Kontrol**

COL. Stats	NOK	H3K	H7K	H14K
Mean	0.1450	0.08373	0.06114	0.04335
Std. Deviation	0.04000	0.04688	0.005672	0.009256
Std. Error	0.02000	0.02344	0.002836	0.004628
Mann-Whitney test		H3K	H7K	H14K
		vs	vs	vs
		NOK	NOK	NOK
P value		0.1143	0.0286	0.0286
Significantly different (p<0.05)?		No	Yes	Yes
One- or two- tailed P value		Two-tailed	Two-tailed	Two-tailed

Lampiran 20: Kadar Protein Darah Tikus Cekok

Perlakuan	Tikus	Absorbansi	Kadar Protein	Rerata Kadar Protein
Normoksia	T1	0.162	1.23	1.166046791
	T2	0.168	1.30	
	T3	0.146	1.03	
	T4	0.152	1.11	
Hipoksia 3 Hari	T1	0.167	1.29	1.220035993
	T2	0.152	1.11	
	T3	0.159	1.19	
	T4	0.168	1.30	
Hipoksia 7 Hari	T1	0.178	1.42	1.450989802
	T2	0.186	1.51	
	T3	0.189	1.55	
	T4	0.170	1.32	
Hipoksia 14 Hari	T1	0.186	1.51	1.561967606
	T2	0.192	1.59	
	T3	0.199	1.67	
	T4	0.183	1.48	

Lampiran 21: Kadar Protein Darah Tikus Kontrol

Perlakuan	Tikus	Absorbansi	Kadar Protein	Rerata Kadar Protein
Normoksia	T1	0.166	1.27	1.055068986
	T2	0.132	0.87	
	T3	0.142	0.99	
	T4	0.151	1.09	
Hipoksia 3 Hari	T1	0.165	1.26	1.208038392
	T2	0.152	1.11	
	T3	0.157	1.17	
	T4	0.168	1.30	
Hipoksia 7 Hari	T1	0.162	1.23	1.444991002
	T2	0.178	1.42	
	T3	0.189	1.55	
	T4	0.192	1.59	
Hipoksia 14 Hari	T1	0.221	1.93	1.975884823
	T2	0.232	2.07	
	T3	0.219	1.91	
	T4	0.226	1.99	

Lampiran 22: Kadar Protein Hati Tikus Cekok

Perlakuan	Tikus	Absorbansi	Kadar Protein	Rerata Kadar Protein
Normoksia	T1	0.143	4.99040192	5.725254949
	T2	0.18	7.209958008	
	T3	0.144	5.050389922	
	T4	0.154	5.650269946	
Hipoksia 3 Hari	T1	0.231	10.26934613	10.68926215
	T2	0.239	10.74925015	
	T3	0.25	11.40911818	
	T4	0.232	10.32933413	
Hipoksia 7 Hari	T1	0.311	15.06838632	15.60827834
	T2	0.329	16.14817037	
	T3	0.313	15.18836233	
	T4	0.327	16.02819436	
Hipoksia 14 Hari	T1	0.375	18.90761848	22.44691062
	T2	0.452	23.52669466	
	T3	0.488	25.68626275	
	T4	0.421	21.66706659	

Lampiran 23: Kadar Protein Hati Tikus kontrol

Perlakuan	Tikus	Absorbansi	Kadar Protein	Rerata Kadar Protein
Normoksia	T1	0.232	10.32933413	13.71865627
	T2	0.326	15.96820636	
	T3	0.305	14.70845831	
	T4	0.291	13.86862627	
Hipoksia 3 Hari	T1	0.361	18.06778644	20.10737852
	T2	0.43	22.20695861	
	T3	0.375	18.90761848	
	T4	0.414	21.24715057	
Hipoksia 7 Hari	T1	0.461	24.06658668	25.05638872
	T2	0.47	24.6064787	
	T3	0.482	25.32633473	
	T4	0.497	26.22615477	
Hipoksia 14 Hari	T1	0.509	26.9460108	30.35032993
	T2	0.556	29.76544691	
	T3	0.622	33.72465507	
	T4	0.576	30.96520696	

Lampiran 24: Hasil Uji Aktivitas Katalase Darah Tikus Cekok

Normoksia Cekok

Pengenceran	5	Molaritas	27.2	Volume	0.05
Waktu	T1NC	T2NC	T3NC	T4NC	BLANKO
1	0.761	0.821	0.752	0.720	0.41
4	0.634	0.705	0.627	0.603	0.409
Δ absorbansi	0.127	0.116	0.125	0.117	0.001
Aktivitas Katalase	0.126	0.115	0.124	0.116	
Rata-rata	0.120				

Hipoksia 3 Hari Cekok

Pengenceran	5	Molaritas	27.2	Volume	0.05
Waktu	T1H3C	T2H3C	T3H3C	T4H3C	BLANKO
1	0.994	0.890	0.876	0.920	0.41
4	0.924	0.825	0.800	0.851	0.409
Δ absorbansi	0.070	0.065	0.076	0.069	0.001
Aktivitas Katalase	0.069	0.064	0.075	0.068	
Rata-rata	0.069				

Hipoksia 7 Hari Cekok

Pengenceran	5	Molaritas	27.2	Volume	0.05
Waktu	T1H7C	T2H7C	T3H7C	T4H7C	BLANKO
1	1.004	0.995	0.89	0.97	0.41
4	0.945	0.945	0.839	0.919	0.409
Δ absorbansi	0.059	0.050	0.051	0.051	0.001
Aktivitas Katalase	0.058	0.049	0.050	0.050	
Rata-rata	0.052				

Hipoksia 14 Hari Cekok

Pengenceran	5	Molaritas	27.2	Volume	0.05
Waktu	T1H14C	T2H14C	T3H14C	T4H14C	BLANKO
1	0.98	0.962	0.896	0.923	0.41
4	0.953	0.93	0.862	0.89	0.409
Δ absorbansi	0.027	0.032	0.034	0.033	0.001
Aktivitas Katalase	0.026	0.031	0.033	0.032	
Rata-rata	0.030				

Lampiran 25: Hasil Uji Aktivitas Katalase Darah Tikus Kontrol

Normoksia Kontrol

Pengenceran	5	Molaritas	27.2	Volume	0.05
Waktu	T1NK	T2NK	T3NK	T4NK	BLANKO
1	0.738	0.558	0.897	0.785	0.41
4	0.621	0.462	0.803	0.699	0.409
Δ absorbansi	0.117	0.096	0.094	0.086	0.001
Aktivitas Katalase	0.116	0.095	0.093	0.085	
Rata-rata	0.097				

Hipoksia 3 Hari Kontrol

Pengenceran	5	Molaritas	27.2	Volume	0.05
Waktu	T1H3K	T2H3K	T3H3K	T4H3K	BLANKO
1	0.616	0.55	0.785	0.695	0.41
4	0.566	0.51	0.705	0.602	0.409
Δ absorbansi	0.050	0.040	0.080	0.093	0.001
Aktivitas Katalase	0.049	0.039	0.079	0.092	
Rata-rata	0.065				

Hipoksia 7 Hari Kontrol

Pengenceran	5	Molaritas	27.2	Volume	0.05
Waktu	T1H7K	T2H7K	T3H7K	T4H7K	BLANKO
1	0.773	0.891	0.952	0.843	0.41
4	0.722	0.849	0.915	0.803	0.409
Δ absorbansi	0.051	0.042	0.037	0.040	0.001
Aktivitas Katalase	0.050	0.041	0.036	0.039	
Rata-rata	0.041				

Hipoksia 14 Hari Kontrol

Pengenceran	5	Molaritas	27.2	Volume	0.05
Waktu	T1H14K	T2H14K	T3H14K	T4H14K	BLANKO
1	0.968	0.829	1.05	0.943	0.41
4	0.935	0.814	1.027	0.922	0.409
Δ absorbansi	0.033	0.015	0.023	0.021	0.001
Aktivitas Katalase	0.032	0.014	0.022	0.020	
Rata-rata	0.022				

Lampiran 26: Hasil Uji Aktivitas Katalase Hati Tikus Cekok

Normoksia Cekok

Pengenceran	50	Molaritas	27.2	Volume	0.05
					BLA
Waktu	T1NC	T2NC	T3NC	T4NC	NKO
1	0.42	0.344	0.225	0.195	0.41
2	0.339	0.301	0.173	0.142	0.41
Δ absorbansi	0.081	0.043	0.052	0.053	0
Aktivitas Katalase	2.9779412	1.5808824	1.9117647	1.9485294	
Rata-rata	2.104779412				

Hipoksia 3 Hari Cekok

Pengenceran	50	Molaritas	27.2	Volume	0.05
					BLANK
Waktu	T1H3C	T2H3C	T3H3C	T3H3C	O
1	0.499	0.33	0.417	0.396	0.41
2	0.453	0.259	0.374	0.349	0.41
Δ absorbansi	0.046	0.071	0.043	0.047	0
Aktivitas Katalase	1.6911764	2.6102941	1.5808823	1.7279411	
	71	18	53	76	
Rata-rata	1.902573529				

Hipoksia 7 Hari Cekok

Pengenceran	50	Molaritas	27.2	Volume	0.05
					BLANK
Waktu	T1H7C	T2H7C	T3H7C	T4H7C	O
1	0.387	0.407	0.468	0.447	0.41
2	0.351	0.372	0.427	0.373	0.41
Δ absorbansi	0.036	0.035	0.041	0.074	0
Aktivitas	1.3235294	1.2867647	1.5073529	2.7205882	
Katalase	12	06	41	35	
Rata-rata	1.709558824				

Hipoksia 14 Hari Cekok

Pengenceran	50	Molaritas	27.2	Volume	0.05
					BLANK
Waktu	T1H14C	T2H14C	T3H14C	T4H14C	O
1	0.378	0.414	0.44	0.453	0.41
2	0.343	0.375	0.405	0.398	0.41
Δ absorbansi	0.035	0.039	0.035	0.055	0
Aktivitas	1.2867647	1.4338235	1.2867647	2.0220588	
Katalase	06	29	06	24	
Rata-rata	1.507352941				

Lampiran 27: Hasil Uji Aktivitas Katalase Hati Tikus Kontrol

Normoksia Kontrol

Pengenceran	50	Molaritas	27.2	Volume	0.05
					BLANK
Waktu	T1NK	T1NK	T3NK	T4NK	O
1	0.667	0.594	0.631	0.601	0.41
2	0.613	0.553	0.573	0.545	0.41
Δ absorbansi	0.054	0.041	0.058	0.056	0
Aktivitas	1.9852941	1.5073529	2.1323529	2.0588235	
Katalase	18	41	41	29	
Rata-rata	1.920955882				

Hipoksia 3 Hari Kontrol

Pengenceran	50	Molaritas	27.2	Volume	0.05
					BLANK
Waktu	T1H3K	T2H3K	T3H3K	T4H3K	O
1	0.486	0.54	0.533	0.511	0.41
2	0.464	0.465	0.469	0.487	0.41
Δ absorbansi	0.022	0.075	0.064	0.024	0
Aktivitas	0.8088235	2.7573529	2.3529411	0.8823529	
Katalase	29	41	76	41	
Rata-rata	1.700367647				

Hipoksia 7 Hari Kontrol

Pengenceran	50	Molaritas	27.2	Volume	0.05
					BLANK
Waktu	T1H7K	T2H7K	T3H7K	T4H7K	O
1	0.391	0.515	0.42	0.424	0.41
2	0.352	0.479	0.375	0.377	0.41
Δ absorbansi	0.039	0.036	0.045	0.047	0
Aktivitas	1.4338235	1.3235294	1.6544117	1.7279411	
Katalase	29	12	65	76	
Rata-rata	1.534926471				

Hipoksia 14 Hari Kontrol

Pengenceran	50	Molaritas	27.2	Volume	0.05
					BLANK
Waktu	T1H14K	T2H14K	T3H14K	T3H14K	O
1	0.419	0.371	0.456	0.409	0.41
2	0.388	0.346	0.412	0.365	0.41
Δ absorbansi	0.031	0.025	0.044	0.044	0
Aktivitas	1.1397058	0.9191176	1.6176470	1.6176470	
Katalase	82	47	59	59	
Rata-rata	1.323529412				

Lampiran 28: Hasil Uji Aktivitas Spesifik Katalase Darah Tikus Cekok

Darah Cekok

Kelompok Perlakuan	Aktivitas Katalase	Kadar Protein	Aktivitas Spesifik Katalase	Rara-rata Aktivitas Spesifik Katalase
NOC 1	0.154411765	1.23	0.125944032	0.11419761
NOC 2	0.140931373	1.30	0.108574082	
NOC 3	0.151960784	1.03	0.146953607	
NOC 4	0.142156863	1.11	0.128525594	
H3C 1	0.084558824	1.29	0.065752196	0.065169787
H3C 2	0.078431373	1.11	0.070910673	
H3C 3	0.091911765	1.19	0.077234052	
H3C 4	0.083333333	1.30	0.064200327	
H7C 1	0.071078431	1.42	0.05012596	0.03600273
H7C 2	0.06004902	1.51	0.039663094	
H7C 3	0.06127451	1.55	0.039532707	
H7C 4	0.06127451	1.32	0.046349309	
H14C 1	0.031862745	1.51	0.021045723	0.013747971
H14C 2	0.037990196	1.59	0.023954027	
H14C 3	0.040441176	1.67	0.024217056	
H14C 4	0.039215686	1.48	0.026533221	

Lampiran 29: Hasil Uji Aktivitas Spesifik Katalase Darah Tikus Kontrol

Darah Kontrol

Kelompok Perlakuan	Aktivitas Katalase	Kadar Protein	Aktivitas Spesifik Katalase	Rara-rata Aktivitas Spesifik Katalase
NOK 1	0.142156863	1.27	0.111580888	0.11419761
NOK 2	0.116421569	0.87	0.134419417	
NOK 3	0.113970588	0.99	0.115579128	
NOK 4	0.104166667	1.09	0.095211006	
H3K 1	0.06004902	1.26	0.047581384	0.065169787
H3K 2	0.047794118	1.11	0.043211191	
H3K 3	0.096813725	1.17	0.083027308	
H3K 4	0.112745098	1.30	0.086859265	
H7K 1	0.06127451	1.23	0.04997779	0.03600273
H7K 2	0.050245098	1.42	0.035433869	
H7K 3	0.044117647	1.55	0.028463549	
H7K 4	0.047794118	1.59	0.030135712	
H14K 1	0.039215686	1.93	0.020278103	0.013747971
H14K 2	0.017156863	2.07	0.008304922	
H14K 3	0.026960784	1.91	0.014116348	
H14K 4	0.024509804	1.99	0.01229251	

Lampiran 30: Hasil Uji Aktivitas Spesifik Katalase Hati Tikus Cekok

Hati Cekok

Kelompok Perlakuan	Aktivitas Katalase	Kadar Protein	Aktivitas Spesifik Katalase	Rara-rata Aktivitas Spesifik Katalase
NOC 1	2.977941176	4.99040192	0.596733735	
NOC 2	1.580882353	7.209958008	0.219263739	0.384847875
NOC 3	1.911764706	5.050389922	0.378538041	
NOC 4	1.948529412	5.650269946	0.344855986	
H3C 1	1.691176471	10.26934613	0.164682001	
H3C 2	2.610294118	10.74925015	0.242834996	0.178341229
H3C 3	1.580882353	11.40911818	0.138563062	
H3C 4	1.727941176	10.32933413	0.167284856	
H7C 1	1.323529412	15.06838632	0.087834847	
H7C 2	1.286764706	16.14817037	0.079684861	0.109125328
H7C 3	1.507352941	15.18836233	0.099243941	
H7C 4	2.720588235	16.02819436	0.169737662	
H14C 1	1.286764706	18.90761848	0.068055356	
H14C 2	1.433823529	23.52669466	0.060944538	0.068104851
H14C 3	1.286764706	25.68626275	0.050095443	
H14C 4	2.022058824	21.66706659	0.093324069	

Lampiran 31: Hasil Uji Aktivitas Spesifik Katalase Hati Tikus Kontrol

Hati Kontrol				
Kelompok Perlakuan	Aktivitas Katalase	Kadar Protein	Aktivitas Spesifik Katalase	Rara-rata Aktivitas Spesifik Katalase
NOK 1	1.985294118	10.32933413	0.192199622	
NOK 2	1.507352941	15.96820636	0.094397136	0.145005809
NOK 3	2.132352941	14.70845831	0.144974606	
NOK 4	2.058823529	13.86862627	0.148451872	
H3K 1	0.808823529	18.06778644	0.044766055	
H3K 2	2.757352941	22.20695861	0.124166167	0.083726091
H3K 3	2.352941176	18.90761848	0.124444079	
H3K 4	0.882352941	21.24715057	0.04152806	
H7K 1	1.433823529	24.06658668	0.059577353	
H7K 2	1.323529412	24.6064787	0.053787843	0.061143788
H7K 3	1.654411765	25.32633473	0.065323774	
H7K 4	1.727941176	26.22615477	0.065886181	
H14K 1	1.139705882	26.9460108	0.042295904	
H14K 2	0.919117647	29.76544691	0.030878678	0.04334542
H14K 3	1.617647059	33.72465507	0.047966304	
H14K 4	1.617647059	30.96520696	0.052240796	

Lampiran 32: Hasil Uji Korelasi Pearson Aktivitas Spesifik Katalase Hati dan Darah Tikus Cekok

Nilai rata-rata aktivitas spesifik katalase hati dan darah tikus yang dicekok ekstrak daun berenuk (*Crescentia cujete*)

XY	Aktivitas Spesifik Katalase Hati (X)	Aktivitas Spesifik Darah (Y)
NOC	0.385	0.127
H3C	0.178	0.070
H7C	0.109	0.044
H14C	0.068	0.024

Uji korelasi pearson aktivitas spesifik katalase hati dan darah tikus yang dicekok

Correlation	Aktivitas Spesifik Katalase Hati dan Darah Tikus yang dicekok ekstrak daun berenuk (<i>Crescentia cujete</i>)
Pearson r	
r	0.9939
95% confidence interval	0.7338 to 0.9999
R squared	0.9879
P value	
P (two-tailed)	0.0061
P value summary	**
Significant? (alpha = 0.05)	Yes
Number of XY Pairs	4

Lampiran 33: Hasil Uji Korelasi Pearson Aktivitas Spesifik Katalase Hati dan Darah Tikus Kontrol

Nilai rata-rata aktivitas spesifik katalase hati dan darah tikus yang dicekok ekstrak daun berenuk (*Crescentia cujete*)

XY	Aktivitas Spesifik Katalase Hati (X)	Aktivitas Spesifik Darah (Y)
NOC	0.145	0.114
H3C	0.083	0.065
H7C	0.061	0.036
H14C	0.043	0.014

Uji korelasi pearson aktivitas spesifik katalase hati dan darah tikus kontrol

Correlation	Aktivitas Spesifik Katalase Hati dan Darah Tikus yang dicekok ekstrak daun berenuk (<i>Crescentia cujete</i>)
Pearson r	
r	0.9918
95% confidence interval	0.6574 to 0.9998
R squared	0.9837
P value	
P (two-tailed)	0.0082
P value summary	**
Significant? (alpha = 0.05)	Yes
Number of XY Pairs	4

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