

LAMPIRAN

LAMPIRAN 1 Kaji Etik dan Verifikasi Buah



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: 144/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 PEMBERIAN EKSTRAK DAUN BLACKBERRY
(*Rubus Sp*) TERHADAP KADAR SUPEROXIDE DISMUTASE
(SOD) PADA JANTUNG DAN DARAH TIKUS *SPRAGUE
DAWLEY* YANG DIINDUKSI HIPOKSIA**

Peneliti Utama : Steffanny Regina Maria Andini

Lembaga/Tempat penelitian : FK Universitas Tarumanagara

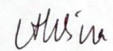
Dinyatakan memenuhi persyaratan etik untuk dilaksanakan.

Jakarta, 17 Januari 2019

Ketua


Prof. DR. dr. Adi Hidayat, MS

Sekretaris


dr. Alvina SpPK



**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	<i>Fragaria vesca</i> L.	Rosaceae
2	Raspberry	<i>Rubus idaeus</i> L.	Rosaceae
3	Blackberry	<i>Rubus</i> sp.	Rosaceae

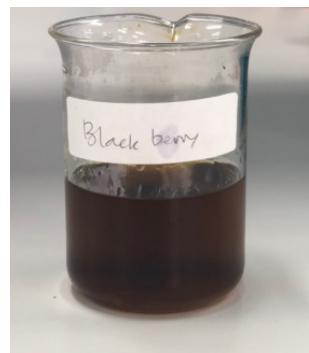
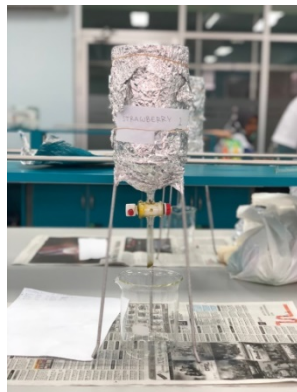
Demikian, semoga berguna bagi Saudara.


Kepala Bidang Botani
Pusat Penelitian Biologi-LIPI,
Dr. Joeni Setijo Rahajoe
NIP. 196706241993032004

LAMPIRAN 2 Dokumentasi dan Alat Penelitian



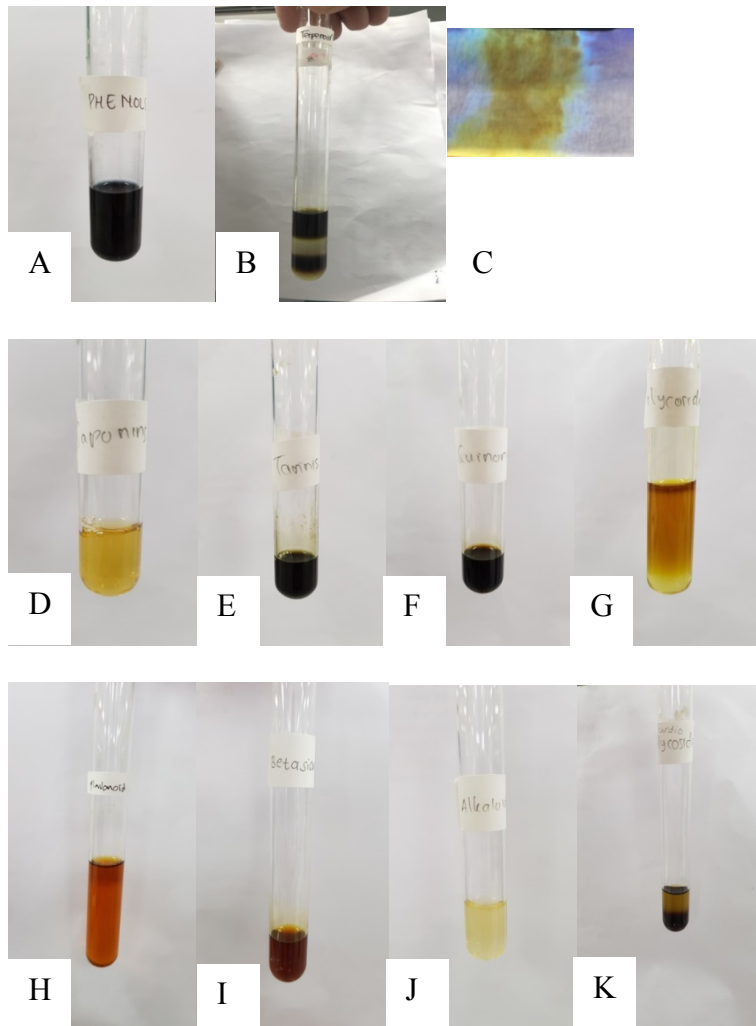
Proses pengeringan dan penghalusan daun *blackberry* hingga terbentuk simplisia



Proses dan hasil maserasi



Proses Evaporasi



Keterangan:

A= Uji Fenolik

B= Uji Steroid

C= Uji *Coumarin*

D= Uji Saponin

E= Uji Tanin

F= Uji Kuinon

G= Uji Glikosida

H= Uji Flavonoid

I= Uji Betasianin

J= Uji Alkaloid

K= Uji Kardia Glikosida

LAMPIRAN 3 Hasil Uji In Vitro dan In Vivo

Tabel 1: *Linear Reg of Fenolik Content*

	ABSORBANSI
Best-fit values	
Slope	0.0007120
Y-intercept	0.1340
X-intercept	-188.2
1/slope	1404
Std. Error	
Slope	7.042e-005
Y-intercept	0.03659
95% Confidence Intervals	
Slope	0.0004879 to 0.0009361
Y-intercept	0.01755 to 0.2504
X-intercept	-508.8 to -18.92
Goodness of Fit	
R square	0.9715
Sy.x	0.02227
Is slope significantly non-zero?	
F	102.2
DFn, DFd	1, 3
P value	0.0021
Deviation from zero?	Significant
Equation	$Y = 0.0007120 * X + 0.1340$
Data	
Number of X values	15
Maximum number of Y replicates	1
Total number of values	5
Number of missing values	10

Tabel 2: *Linear Reg of DPPH*

	% Inhibisi
Best-fit values	
Slope	0.3842
Y-intercept	-0.7879
X-intercept	2.051
1/slope	2.603
Std. Error	
Slope	0.01362
Y-intercept	0.7823
95% Confidence Intervals	
Slope	0.3409 to 0.4276
Y-intercept	-3.278 to 1.702
X-intercept	-4.917 to 7.783
Goodness of Fit	
R square	0.9962
Sy.x	0.8613
Is slope significantly non-zero?	
F	796.0
DFn, DFd	1, 3
P value	<0.0001
Deviation from zero?	Significant
Equation	$Y = 0.3842 * X - 0.7879$
Data	
Number of X values	15
Maximum number of Y replicates	1
Total number of values	5
Number of missing values	10

Tabel 3: *Linear Reg of Vitamin C*

	% INHIBISI
Best-fit values	
Slope	6.381
Y-intercept	19.49
X-intercept	-3.055
1/slope	0.1567
Std. Error	
Slope	0.1261
Y-intercept	0.8363

95% Confidence Intervals	
Slope	5.980 to 6.783
Y-intercept	16.83 to 22.16
X-intercept	-3.690 to -2.492
Goodness of Fit	
R square	0.9988
Sy.x	0.7974
Is slope significantly non-zero?	
F	2562
DFn, DFd	1, 3
P value	<0.0001
Deviation from zero?	Significant
Equation	$Y = 6.381 * X + 19.49$
Data	
Number of X values	15
Maximum number of Y replicates	1
Total number of values	5
Number of missing values	10

Tabel 4: *Linear Reg of BSLT*

	PERSENTASE KEMATIAN LARVA UDANG (%)
Best-fit values	
Slope	41.67
Y-intercept	-27.99
X-intercept	0.6717
1/slope	0.02400
Std. Error	
Slope	1.147
Y-intercept	2.645
95% Confidence Intervals	
Slope	36.74 to 46.60
Y-intercept	-39.37 to -16.61
X-intercept	0.4478 to 0.8528
Goodness of Fit	
R square	0.9985
Sy.x	1.764
Is slope significantly non-zero?	

F	1321
DFn, DFd	1, 2
P value	0.0008
Deviation from zero?	Significant
Equation	$Y = 41.67 * X - 27.99$
Data	
Number of X values	12
Maximum number of Y replicates	1
Total number of values	4
Number of missing values	8

Table 5: *Descriptive statistics of organ kontrol*

	Normoksia	1 Hari	7 Hari	14 Hari
Number of values	4	4	4	4
Minimum	0.04000	0.07200	0.09200	0.1240
25% Percentile	0.04775	0.07475	0.09525	0.1305
Median	0.08050	0.08950	0.1115	0.1605
75% Percentile	0.09075	0.1103	0.1285	0.1725
Maximum	0.09100	0.1150	0.1320	0.1730
Range	0.05100	0.04300	0.04000	0.04900
Mean	0.07300	0.09150	0.1118	0.1545
Std. Deviation	0.02385	0.01848	0.01717	0.02284
Std. Error of Mean	0.01192	0.009242	0.008587	0.01142
Lower 95% CI of mean	0.03505	0.06209	0.08442	0.1182
Upper 95% CI of mean	0.1109	0.1209	0.1391	0.1908
Coefficient of variation	32.67%	20.20%	15.37%	14.78%
Sum	0.2920	0.3660	0.4470	0.6180

Table 6: *Normality and Lognormality Tests of organ kontrol*

	Normoksia	1 Hari	7 Hari	14 Hari
Test for normal distribution				
D'Agostino & Pearson test				
K2	N too	N too	N too	N too
P value	small	small	small	small
Passed normality test (alpha=0.05)?				
P value summary				

Shapiro-Wilk test				
W	0.8558	0.9813	0.9938	0.8828
P value	0.2457	0.9096	0.9762	0.3506
Passed normality test (alpha=0.05)?	Yes	Yes	Yes	Yes
P value summary	ns	ns	ns	ns
Number of values	4	4	4	4

Tabel 7: *Unpaired t test of organ kontrol 1 Hari VS Normoksia*

	Data Set-A
Table Analyzed	organ kontrol
Column B	1 Hari
vs.	vs.
Column A	Normoksia
Unpaired t test	
P value	0.2660
P value summary	ns
Significantly different (P < 0.05)?	No
One- or two-tailed P value?	Two-tailed
t, df	t=1.226, df=6
How big is the difference?	
Mean of column A	0.07300
Mean of column B	0.09150
Difference between means (B - A) ± SEM	0.01850 ± 0.01509
95% confidence interval	-0.01841 to 0.05541
R squared (eta squared)	0.2004
F test to compare variances	
F, DFn, Dfd	1.664, 3, 3
P value	0.6858
P value summary	ns
Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column A	4
Sample size, column B	4

Tabel 8: *Unpaired t test of organ kontrol 7 hari VS Normoksia*

Data Set-A	
Table Analyzed	organ kontrol
Column C	7 Hari
vs.	vs.
Column A	Normoksia
Unpaired t test	
P value	0.0387
P value summary	*
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=2.637, df=6
How big is the difference?	
Mean of column A	0.07300
Mean of column C	0.1118
Difference between means (C - A) ± SEM	0.03875 ± 0.01469
95% confidence interval	0.002797 to 0.07470
R squared (eta squared)	0.5369
F test to compare variances	
F, DFn, Dfd	1.928, 3, 3
P value	0.6033
P value summary	ns
Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column A	4
Sample size, column C	4

Tabel 9: *Unpaired t test of organ kontrol 14 hari VS Normoksia*

Data Set-A	
Table Analyzed	organ kontrol
Column D	14 Hari
vs.	vs.
Column A	Normoksia
Unpaired t test	
P value	0.0026
P value summary	**
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=4.936, df=6

How big is the difference?	
Mean of column A	0.07300
Mean of column D	0.1545
Difference between means (D - A) \pm SEM	0.08150 \pm 0.01651
95% confidence interval	0.04110 to 0.1219
R squared (eta squared)	0.8024
F test to compare variances	
F, DFn, Dfd	1.090, 3, 3
P value	0.9451
P value summary	ns
Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column A	4
Sample size, column D	4

Tabel 10: *Normality and Lognormality Tests of organ negatif*

	Normoksi a	1 Hari	7 Hari	14 Hari
Test for normal distribution				
D'Agostino & Pearson test				
K2	N too small	N too small	N too small	N too small
P value				
Passed normality test (alpha=0.05)?				
P value summary				
Shapiro-Wilk test				
W	0.9616	0.7853	0.9780	0.9815
P value	0.7891	0.0783	0.8903	0.9109
Passed normality test (alpha=0.05)?				
P value summary	ns	ns	ns	ns
Number of values	4	4	4	4

Tabel 11: *Unpaired t test of organ negatif 1 hari VS Normoksia*

	Data Set-A
Table Analyzed	organ negatif
Column B	1 Hari
vs.	vs.
Column A	Normoksia

Unpaired t test	
P value	0.0037
P value summary	**
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=4.605, df=6
How big is the difference?	
Mean of column A	0.09025
Mean of column B	0.1453
Difference between means (B - A) ± SEM	0.05500 ± 0.01194
95% confidence interval	0.02578 to 0.08422
R squared (eta squared)	0.7795
F test to compare variances	
F, DFn, Dfd	2.364, 3, 3
P value	0.4982
P value summary	ns
Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column A	4
Sample size, column B	4

Tabel 12: *Unpaired t test of organ negatif 7 hari VS Normoksia*

	Data Set-A
Table Analyzed	organ negatif
Column C	7 Hari
vs.	vs.
Column A	Normoksia
Unpaired t test	
P value	0.0003
P value summary	***
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=7.593, df=6
How big is the difference?	
Mean of column A	0.09025
Mean of column C	0.1747
Difference between means (C - A) ± SEM	0.08448 ± 0.01113
95% confidence interval	0.05725 to 0.1117
R squared (eta squared)	0.9057

F test to compare variances	
F, DFn, Dfd	4.257, 3, 3
P value	0.2650
P value summary	ns
Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column A	4
Sample size, column C	4

Tabel 13: *Unpaired t test of organ negatif 14 hari VS Normoksia*

	Data Set-A
Table Analyzed	organ negatif
Column D	14 Hari
vs.	vs.
Column A	Normoksia
Unpaired t test	
P value	<0.0001
P value summary	****
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=9.651, df=6
How big is the difference?	
Mean of column A	0.09025
Mean of column D	0.2063
Difference between means (D - A) ± SEM	0.1160 ± 0.01202
95% confidence interval	0.08659 to 0.1454
R squared (eta squared)	0.9395
F test to compare variances	
F, DFn, Dfd	2.266, 3, 3
P value	0.5191
P value summary	ns
Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column A	4
Sample size, column D	4

Tabel 14: *Normality and Lognormality Tests of darah kontrol*

	Normoksi a	1 Hari	7 Hari	14 Hari
Test for normal distribution				
D'Agostino & Pearson test				
K2	N too	N too	N too	N too
P value	small	small	small	small
Passed normality test (alpha=0.05)?				
P value summary				
Shapiro-Wilk test				
W	0.8912	0.9268	0.9834	0.9400
P value	0.3888	0.5756	0.9217	0.6541
Passed normality test (alpha=0.05)?	Yes	Yes	Yes	Yes
P value summary	ns	ns	ns	ns
Number of values	4	4	4	4

Tabel 15: *Descriptive statistics of darah kontrol*

	Normoksia	1 Hari	7 Hari	14 Hari
Number of values	4	4	4	4
Minimum	0.01700	0.05300	0.08000	0.1220
25% Percentile	0.01750	0.05475	0.08250	0.1243
Median	0.02550	0.06400	0.09650	0.1310
75% Percentile	0.03650	0.06950	0.1113	0.1393
Maximum	0.03800	0.07000	0.1140	0.1420
Range	0.02100	0.01700	0.03400	0.02000
Mean	0.02650	0.06275	0.09675	0.1315
Std. Deviation	0.01015	0.007805	0.01486	0.008185
Std. Error of Mean	0.005074	0.003902	0.007432	0.004093
Lower 95% CI of mean	0.01035	0.05033	0.07310	0.1185
Upper 95% CI of mean	0.04265	0.07517	0.1204	0.1445
Coefficient of variation	38.30%	12.44%	15.36%	6.225%
Sum	0.1060	0.2510	0.3870	0.5260

Tabel 16: *Unpaired t test* of darah kontrol 1 Hari VS Normoksia

	Data Set-A
Table Analyzed	darah kontrol
Column B	1 Hari
vs.	vs.
Column A	Normoksia
Unpaired t test	
P value	0.0013
P value summary	**
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=5.663, df=6
How big is the difference?	
Mean of column A	0.02650
Mean of column B	0.06275
Difference between means (B - A) ± SEM	0.03625 ± 0.006401
95% confidence interval	0.02059 to 0.05191
R squared (eta squared)	0.8424
F test to compare variances	
F, DFn, Dfd	1.691, 3, 3
P value	0.6767
P value summary	ns
Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column A	4
Sample size, column B	4

Tabel 17: *Unpaired t test* of darah kontrol 7 Hari VS Normoksia

	Data Set-A
Table Analyzed	darah kontrol
Column C	7 Hari
vs.	vs.
Column A	Normoksia
Unpaired t test	
P value	0.0002
P value summary	***
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed

t, df	t=7.807, df=6
How big is the difference?	
Mean of column A	0.02650
Mean of column C	0.09675
Difference between means (C - A) \pm SEM	0.07025 \pm 0.008999
95% confidence interval	0.04823 to 0.09227
R squared (eta squared)	0.9104
F test to compare variances	
F, DFn, Dfd	2.145, 3, 3
P value	0.5469
P value summary	ns
Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column A	4
Sample size, column C	4

Tabel 18: *Unpaired t test of darah kontrol 14 Hari VS Normoksia*

	Data Set-A
Table Analyzed	darah kontrol
Column D	14 Hari
vs.	vs.
Column A	Normoksia
Unpaired t test	
P value	<0.0001
P value summary	****
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=16.11, df=6
How big is the difference?	
Mean of column A	0.02650
Mean of column D	0.1315
Difference between means (D - A) \pm SEM	0.1050 \pm 0.006519
95% confidence interval	0.08905 to 0.1210
R squared (eta squared)	0.9774
F test to compare variances	
F, DFn, Dfd	1.537, 3, 3
P value	0.7324
P value summary	ns
Significantly different (P < 0.05)?	No

Data analyzed	
Sample size, column A	4
Sample size, column D	4

Tabel 19: *Normality and Lognormality Tests of darah tidak cekok*

	Normoksi a	1 Hari	7 Hari	14 Hari
Test for normal distribution				
D'Agostino & Pearson test				
K2	N too	N too	N too	N too
P value	small	small	small	small
Passed normality test (alpha=0.05)?				
P value summary				
Shapiro-Wilk test				
W	0.8783	0.9118	0.8621	0.9265
P value	0.3315	0.4920	0.2677	0.5742
Passed normality test (alpha=0.05)?	Yes	Yes	Yes	Yes
P value summary	ns	ns	ns	ns
Number of values	4	4	4	4

Tabel 20: *Descriptive statistics of darah tidak cekok*

	Normoksia	1 Hari	7 Hari	14 Hari
Number of values	4	4	4	4
Minimum	0.06900	0.09400	0.1320	0.1770
25% Percentile	0.06950	0.09675	0.1333	0.1775
Median	0.07700	0.1055	0.1405	0.1830
75% Percentile	0.08600	0.1098	0.1440	0.1915
Maximum	0.08700	0.1110	0.1440	0.1930
Range	0.01800	0.01700	0.01200	0.01600
Mean	0.07750	0.1040	0.1393	0.1840
Std. Deviation	0.008851	0.007165	0.005852	0.007394
Std. Error of Mean	0.004425	0.003582	0.002926	0.003697
Lower 95% CI of mean	0.06342	0.09260	0.1299	0.1722
Upper 95% CI of mean	0.09158	0.1154	0.1486	0.1958
Coefficient of variation	11.42%	6.889%	4.203%	4.018%
Sum	0.3100	0.4160	0.5570	0.7360

Tabel 21: *Unpaired t test of darah negatif 1 Hari VS Normoksia*

	Data Set-A
Table Analyzed	darah negatif
Column B	1 Hari
vs.	vs.
Column A	Normoksia
Unpaired t test	
P value	0.0035
P value summary	**
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=4.654, df=6
How big is the difference?	
Mean of column A	0.07750
Mean of column B	0.1040
Difference between means (B - A) ± SEM	0.02650 ± 0.005694
95% confidence interval	0.01257 to 0.04043
R squared (eta squared)	0.7831
F test to compare variances	
F, DFn, Dfd	1.526, 3, 3
P value	0.7368
P value summary	ns
Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column A	4
Sample size, column B	4

Tabel 22: *Unpaired t test of darah tidak cekok 7 Hari VS Normoksia*

	Data Set-A
Table Analyzed	darah negatif
Column C	7 Hari
vs.	vs.
Column A	Normoksia
Unpaired t test	
P value	<0.0001
P value summary	****
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed

t, df	t=11.64, df=6
How big is the difference?	
Mean of column A	0.07750
Mean of column C	0.1393
Difference between means (C - A) \pm SEM	0.06175 \pm 0.005305
95% confidence interval	0.04877 to 0.07473
R squared (eta squared)	0.9576
F test to compare variances	
F, DFn, Dfd	2.287, 3, 3
P value	0.5145
P value summary	ns
Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column A	4
Sample size, column C	4

Tabel 23: *Unpaired t test of darah 14 Hari VS Normoksia*

	Data Set-A
Table Analyzed	darah negatif
Column D	14 Hari
vs.	vs.
Column A	Normoksia
Unpaired t test	
P value	<0.0001
P value summary	****
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=18.47, df=6
How big is the difference?	
Mean of column A	0.07750
Mean of column D	0.1840
Difference between means (D - A) \pm SEM	0.1065 \pm 0.005766
95% confidence interval	0.09239 to 0.1206
R squared (eta squared)	0.9827
F test to compare variances	
F, DFn, Dfd	1.433, 3, 3
P value	0.7746
P value summary	ns
Significantly different (P < 0.05)?	No

Data analyzed	
Sample size, column A	4
Sample size, column D	4

Tabel 24: *Descriptive statistics* of analisis banding organ

	Norm oksia Tidak Cekok	1 Hari Tida k Ceko k	7 Hari Tida k Ceko k	14 Hari Tida k Ceko k	Norm oksia Cekok	1 Hari Ceko k	7 Hari Ceko k	14 Hari Ceko k
Number of values	4	4	4	4	4	4	4	4
Minimum	0.0660	0.133	0.162	0.189	0.0400	0.072	0.092	0.12
25% Percentile	0	0	0	0	0	00	00	40
5	0.0717	0.133	0.164	0.193	0.0477	0.074	0.095	0.13
Median	5	5	9	0	5	75	25	05
75% Percentile	0.0900	0.145	0.176	0.207	0.0805	0.089	0.111	0.16
Maximum	0	5	0	5	0	50	5	05
Range	0.1090	0.156	0.183	0.218	0.0907	0.110	0.128	0.17
Mean	0.1150	8	4	3	5	3	5	25
Std. Deviation	0.0490	0.157	0.185	0.221	0.0910	0.115	0.132	0.17
Std. Error of Mean	0	0	0	0	0	0	0	30
Lower 95% CI of mean	0.024	0.024	0.023	0.032	0.0510	0.043	0.040	0.04
Upper 95% CI of mean	0.0902	00	00	00	0	00	00	900
Coefficient of variation	5	0.145	0.174	0.206	0.0730	0.091	0.111	0.15
Sum	0.0200	2	3	7	3	0	50	8
	0.0100	3	7	0	0	50	8	45
	0.0100	0.013	0.009	0.013	0.0238	0.018	0.017	0.02
	1	02	704	30	5	48	17	284
		0.006	0.004	0.006	0.0119	0.009	0.008	0.01
	0.0583	511	852	651	2	242	587	142
	9							
	0.1221	0.124	0.159	0.185	0.0350	0.062	0.084	0.11
		5	3	1	5	09	42	82
	22.19	0.166	0.190	0.227	0.1109	0.120	0.139	0.19
	%	0	2	4		9	1	08
					32.67			
	0.3610	8.966	5.554	6.449	%	20.20	15.37	14.7
		%	%	%		%	%	8%
					0.2920			
		0.581	0.698	0.825		0.366	0.447	0.61
		0	9	0		0	0	80

Tabel 25: *Normality and Lognormality Tests of analisis banding organ*

	Nor moks ia Tidak Ceko k	1 Hari Tida k Ceko k	7 Hari Tida k Ceko k	14 Hari Tida k Ceko k	Nor moks ia Ceko k	1 Hari Ceko k	7 Hari Ceko k	14 Hari Ceko k
Test for normal distribution								
D'Agostino & Pearson test	N too small	N too small	N too small	N too small	N too small	N too small	N too small	N too small
K2								
P value								
Passed normality test (alpha=0.05)?								
P value summary	0.961				0.855			
	6	0.78	0.97	0.98	8	0.98	0.99	0.88
	0.789	53	80	15	0.245	13	38	28
Shapiro-Wilk test	1	0.07	0.89	0.91	7	0.90	0.97	0.35
W	Yes	83	03	09	Yes	96	62	06
P value	ns	Yes	Yes	Yes	ns	Yes	Yes	Yes
Passed normality test (alpha=0.05)?		ns	ns	ns		ns	ns	ns
P value summary	4				4			
		4	4	4		4	4	4
Number of values								

Tabel 26: *Unpaired t test of analisis banding organ normoksia cekok VS normoksia tidak cekok*

	Data Set-A
Table Analyzed	analisis banding organ
Column E vs. Column A	Normoksia Cekok vs. Normoksia Tidak Cekok
Unpaired t test	
P value	0.3103
P value summary	ns
Significantly different (P < 0.05)?	No
One- or two-tailed P value?	Two-tailed

t, df	t=1.108, df=6
How big is the difference?	
Mean of column A	0.09025
Mean of column E	0.07300
Difference between means (E - A) \pm SEM	-0.01725 \pm 0.01557
95% confidence interval	-0.05535 to 0.02085
R squared (eta squared)	0.1698
F test to compare variances	
F, DFn, Dfd	1.418, 3, 3
P value	0.7808
P value summary	ns
Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column A	4
Sample size, column E	4

Tabel 27: *Unpaired t test of analisis banding organ 1 hari cekok VS 1 hari tidak cekok*

	Data Set-A
Table Analyzed	analisis banding organ
Column F	1 Hari Cekok
vs.	vs.
Column B	1 Hari Tidak Cekok
Unpaired t test	
P value	0.0031
P value summary	**
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=4.754, df=6
How big is the difference?	
Mean of column B	0.1453
Mean of column F	0.09150
Difference between means (F - B) \pm SEM	-0.05375 \pm 0.01131
95% confidence interval	-0.08141 to -0.02609
R squared (eta squared)	0.7902
F test to compare variances	
F, DFn, Dfd	2.015, 3, 3
P value	0.5797
P value summary	ns
Significantly different (P < 0.05)?	No

Data analyzed	
Sample size, column B	4
Sample size, column F	4

Tabel 28: *Unpaired t test of* analisis banding organ 7 hari cekok VS 7 hari tidak cekok

	Data Set-A
Table Analyzed	analisis banding organ
Column G	7 Hari Cekok
vs.	vs.
Column C	7 Hari Tidak Cekok
Unpaired t test	
P value	0.0007
P value summary	***
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=6.385, df=6
How big is the difference?	
Mean of column C	0.1747
Mean of column G	0.1118
Difference between means (G - C) ± SEM	-0.06298 ± 0.009863
95% confidence interval	-0.08711 to -0.03884
R squared (eta squared)	0.8717
F test to compare variances	
F, DFn, Dfd	3.132, 3, 3
P value	0.3735
P value summary	ns
Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column C	4
Sample size, column G	4

Tabel 29: *Unpaired t test of analisis banding organ 14 hari cekok VS 14 hari tidak cekok*

	Data Set-A
Table Analyzed	analisis banding organ
Column H	14 Hari Cekok
vs.	vs.
Column D	14 Hari Tidak Cekok
Unpaired t test	
P value	0.0078
P value summary	**
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=3.916, df=6
How big is the difference?	
Mean of column D	0.2063
Mean of column H	0.1545
Difference between means (H - D) ± SEM	-0.05175 ± 0.01322
95% confidence interval	-0.08409 to -0.01941
R squared (eta squared)	0.7188
F test to compare variances	
F, DFn, Dfd	2.949, 3, 3
P value	0.3982
P value summary	ns
Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column D	4
Sample size, column H	4

Tabel 30: *Normality and Lognormality Tests of analisis banding darah*

	Nor moks ia Tidak Ceko k	1 Hari Tida k Ceko k	7 Hari Tida k Ceko k	14 Hari Tida k Ceko k	Nor moks ia Ceko k	1 Hari Ceko k	7 Hari Ceko k	14 Hari Ceko k
Test for normal distribution								
D'Agostino & Pearson test	N too small	N too small	N too small	N too small	N too small	N too small	N too small	N too small
K2								
P value								

Passed normality test (alpha=0.05)?								
P value summary	0.878				0.891			
	3	0.91	0.86	0.92	2	0.92	0.98	0.94
	0.331	18	21	65	0.388	68	34	00
Shapiro-Wilk test	5	0.49	0.26	0.57	8	0.57	0.92	0.65
W	Yes	20	77	42	Yes	56	17	41
P value	ns	Yes	Yes	Yes	ns	Yes	Yes	Yes
Passed normality test (alpha=0.05)?								
P value summary	4				4			
		4	4	4		4	4	4
Number of values								

Tabel 31: *Descriptive statistics of analisis banding darah*

	Norm oksia Tidak Cekok	1 Hari Tida k Ceko k	7 Hari Tida k Ceko k	14 Hari Tida k Ceko k	Norm oksia Cekok	1 Hari Ceko k	7 Hari Ceko k	14 Hari Ceko k
Number of values	4	4	4	4	4	4	4	4
Minimum	0.0690	0.09	0.13	0.17	0.0170	0.05	0.08	0.12
25% Percentile	0	400	20	70	0	300	000	20
Median	0.0695	0.09	0.13	0.17	0.0175	0.05	0.08	0.12
75% Percentile	0	675	33	75	0	475	250	43
Maximum	0.0770	0.10	0.14	0.18	0.0255	0.06	0.09	0.13
Range	0	55	05	30	0	400	650	10
Mean	0.0860	0.10	0.14	0.19	0.0365	0.06	0.11	0.13
Std. Deviation	0	98	40	15	0	950	13	93
Std. Error of Mean	0.0870	0.11	0.14	0.19	0.0380	0.07	0.11	0.14
Lower 95% CI of mean	0	10	40	30	0	000	40	20
Upper 95%	0.0180	0.01	0.01	0.01	0.0210	0.01	0.03	0.02
	0	700	200	600	0	700	400	000
	0.0775	0.10	0.13	0.18	0.0265	0.06	0.09	0.13
	0	40	93	40	0	275	675	15
	0.0088	0.00	0.00	0.00	0.0101	0.00	0.01	0.00
	51	7165	5852	7394	5	7805	486	8185
	0.0044	0.00	0.00	0.00	0.0050	0.00	0.00	0.00
	25	3582	2926	3697	74	3902	7432	4093

CI of mean	0.0634	0.09	0.12	0.17	0.0103	0.05	0.07	0.11
Coefficient of variation	2	260	99	22	5	033	310	85
	0.0915	0.11	0.14	0.19	0.0426	0.07	0.12	0.14
	8	54	86	58	5	517	04	45
Sum	11.42	6.88	4.20	4.01	38.30	12.4	15.3	6.22
	%	9%	3%	8%	%	4%	6%	5%
	0.3100	0.41	0.55	0.73	0.1060	0.25	0.38	0.52
		60	70	60		10	70	60

Tabel 32: *Unpaired t test of* analisis banding darah normoksia cekok VS normoksia tidak cekok

	Data Set-A
Table Analyzed	analisis banding darah
Column E	Normoksia Cekok
vs.	vs.
Column A	Normoksia Tidak Cekok
Unpaired t test	
P value	0.0003
P value summary	***
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=7.575, df=6
How big is the difference?	
Mean of column A	0.07750
Mean of column E	0.02650
Difference between means (E - A) ± SEM	-0.05100 ± 0.006733
95% confidence interval	-0.06748 to -0.03452
R squared (eta squared)	0.9053
F test to compare variances	
F, DFn, Dfd	1.315, 3, 3
P value	0.8273
P value summary	ns
Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column A	4
Sample size, column E	4

Tabel 33: *Unpaired t test of analisis banding darah 1 hari cekok VS 1 hari tidak cekok*

	Data Set-A
Table Analyzed	analisis banding darah
Column F	1 Hari Cekok
vs.	vs.
Column B	1 Hari Tidak Cekok
Unpaired t test	
P value	0.0002
P value summary	***
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=7.787, df=6
How big is the difference?	
Mean of column B	0.1040
Mean of column F	0.06275
Difference between means (F - B) ± SEM	-0.04125 ± 0.005297
95% confidence interval	-0.05421 to -0.02829
R squared (eta squared)	0.9100
F test to compare variances	
F, DFn, Dfd	1.187, 3, 3
P value	0.8914
P value summary	ns
Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column B	4
Sample size, column F	4

Tabel 34: *Unpaired t test of analisis banding darah 7 hari cekok VS 7 hari tidak cekok*

	Data Set-A
Table Analyzed	analisis banding darah
Column G	7 Hari Cekok
vs.	vs.
Column C	7 Hari Tidak Cekok
Unpaired t test	
P value	0.0018
P value summary	**
Significantly different (P < 0.05)?	Yes

One- or two-tailed P value? t, df	Two-tailed t=5.321, df=6
How big is the difference?	
Mean of column C	0.1393
Mean of column G	0.09675
Difference between means (G - C) \pm SEM	-0.04250 \pm 0.007987
95% confidence interval	-0.06204 to -0.02296
R squared (eta squared)	0.8251
F test to compare variances	
F, DFn, Dfd	6.450, 3, 3
P value	0.1601
P value summary	ns
Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column C	4
Sample size, column G	4

Tabel 35: *Unpaired t test of analisis banding darah 14 hari cekok VS 14 hari tidak cekok*

	Data Set-A
Table Analyzed	analisis banding darah
Column H	14 Hari Cekok
vs.	vs.
Column D	14 Hari Tidak Cekok
Unpaired t test	
P value	<0.0001
P value summary	****
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value? t, df	Two-tailed t=9.519, df=6
How big is the difference?	
Mean of column D	0.1840
Mean of column H	0.1315
Difference between means (H - D) \pm SEM	-0.05250 \pm 0.005515
95% confidence interval	-0.06600 to -0.03900
R squared (eta squared)	0.9379
F test to compare variances	
F, DFn, Dfd	1.226, 3, 3
P value	0.8712
P value summary	ns

Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column D	4
Sample size, column H	4

Tabel 36: *Correlation of organ tidak cekok VS darah tidak cekok*

	Organ Tidak Cekok vs. Darah Tidak Cekok
Pearson r	
r	0.9659
95% confidence interval	0.06731 to 0.9993
R squared	0.9330
P value	
P (two-tailed)	0.0341
P value summary	*
Significant? (alpha = 0.05)	Yes
Number of XY Pairs	4

Tabel 37: *Correlation of organ cekok VS darah cekok*

	Organ Cekok vs. Darah Cekok
Pearson r	
r	0.9756
95% confidence interval	0.2322 to 0.9995
R squared	0.9517
P value	
P (two-tailed)	0.0244
P value summary	*
Significant? (alpha = 0.05)	Yes
Number of XY Pairs	4

DAFTAR RIWAYAT HIDUP

Nama : Feni Anglelina
NIM : 405160180
Alamat : jln.A.Yani, RT/RW 04/02 Bengkalis,Riau
Tempat/tanggal lahir : Bengkalis, 1 Februari 1999
Jenis Kelamin : Perempuan
Agama : Buddha
No Telp. : 082245985000
Email : fenianglelina99@gmail.com

Latar belakang pendidikan

Pendidikan formal

- 2004 - 2010 SD NEGRI 50 BENGKALIS
- 2010 - 2013 SMP NEGRI 01 BENGKALIS
- 2013 - 2016 SMA NEGRI 01 BENGKALIS

Skill dan keterampilan

Menguasai Ms word dan excel