Lampiran 1

Hasil Identifikasi/Determinasi Tumbuhan Lembaga Ilmu Pengetahuan Indonesia (LIPI)

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, 21 Juni 2016

Nomor : 1423/IPH.1.01/If.07/VI/2016
Lampiran : -
Perihal : *Hasil identifikasi/ determinasi Tumbuhan*

Kepada Yth.
Bpk./Ibu/Sdr(i). **Nikolaus Ronald Karmadi**
NIM : 405.14.083
Mhs. UNTAR
Fak. Kedokteran
Jl. Letjen S. Parman No.1
Jakarta Barat - 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	Jamur Hitam Putih	*Auricularia nigricans* (Sw.) Birkebak, Looney & Sanchez-Garcia. Syn.*Auricularia polytricha*	Auriculariaceae

Demikian, semoga berguna bagi Saudara.

Plh. Kepala Bidang Botani
Pusat Penelitian Biologi-LIPI,

Dr. Atik Retnowati
NIP. 197111152000032005

D:\Ident 2016\Nikolaus Ronald K..doc\Atik R.-Atik R

Page 1 of 1

Lampiran 2

Surat Persetujuan 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: 112/KER/FK/I/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 INFUSA *Auricularia polytricha* TERHADAP KADAR ANTIOKSIDAN KATALASE PADA ORGAN OTAK DAN DARAH SISTEMIK TIKUS *Sprague dawley* DALAM KEADAAN HIPOKSIA SISTEMIK KRONIK"

Peneliti Utama : Nikolaus Ronald Karnadi
Lembaga/Tempat penelitian : FK Universitas Tarumanagara

Dinyatakan memenuhi persyaratan etik untuk dilaksanakan.

Jakarta, 30 Januari 2017

Ketua
Prof.DR.dr.Adi Hidayat,MS

Sekretaris
dr.Alvina.SpPK

Lampiran 3

Data Absorban dan Kadar GSH untuk Kurva Standar

Standar GSH	Kadar GSH (µg/ml)	Absorban		Rerata absorban λ 412 nm
		A	B	
S1 (Blanko)	0	0.021	0.017	0.019
S2	1	0.039	0.044	0.042
S3	2	0.099	0.097	0.098
S4	3	0.135	0.137	0.136
S5	4	0.173	0.169	0.171
S6	5	0.208	0.212	0.210

Lampiran 4:

Kadar GSH Otak Pada Pemberian Dosis Kental

Organ Otak Kental

Anova Summary	
P value	<0,0001
P value summary	****
Significant diff. among means (P < 0.05)?	Yes

Shapiro-Wilk normality test				
W	0,9929	0,9631	0,9714	0,8494
P value	0,9719	0,7982	0,8500	0,2242
Passed normality test (alpha=0.05)?	Yes	Yes	Yes	Yes
P value summary	ns	ns	ns	ns

Tukey's multiple comparisons test	Mean Diff,	95,00% CI of diff,	Significant ?	Summary	Adjusted P Value
P1 vs. P3	-0,8242	-0,9829 to -0,6656	Yes	****	<0,0001
P1 vs. P5	-0,4755	-0,6341 to -0,3169	Yes	****	<0,0001

P1 vs. P7	-0,1712	-0,3298 to -0,01258	Yes	*	0,0332
P3 vs. P5	0,3487	0,1901 to 0,5073	Yes	***	0,0001
P3 vs. P7	0,6531	0,4944 to 0,8117	Yes	****	<0,0001
P5 vs. P7	0,3043	0,1457 to 0,4629	Yes	***	0,0005

Test details	Mean 1	Mean 2	Mean Diff,	SE of diff,	n1	n2	q	DF
P1 vs. P3	0,08623	0,9105	-0,8242	0,05342	4	4	21,82	12
P1 vs. P5	0,08623	0,5618	-0,4755	0,05342	4	4	12,59	12
P1 vs. P7	0,08623	0,2574	-0,1712	0,05342	4	4	4,532	12
P3 vs. P5	0,9105	0,5618	0,3487	0,05342	4	4	9,231	12
P3 vs. P7	0,9105	0,2574	0,6531	0,05342	4	4	17,29	12
P5 vs. P7	0,5618	0,2574	0,3043	0,05342	4	4	8,056	12

Kadar GSH Otak Pada Pemberian Dosis Encer

Organ Otak Encer

Anova Summary	
P value	<0,0001
P value summary	****
Significant diff. among means (P < 0.05)?	Yes

Shapiro-Wilk normality test				
W	0,9929	0,9929	0,911	0,9447
P value	0,9719	0,9719	0,4877	0,6830
Passed normality test (alpha=0.05)?	Yes	Yes	Yes	Yes
P value summary	ns	ns	ns	ns

Tukey's multiple comparisons test	Mean Diff,	95,00% CI of diff,	Significant ?	Summary	Adjusted P Value
P1 vs. P2	-0,5833	-0,6661 to -0,5005	Yes	****	<0,0001
P1 vs. P4	-0,3297	-0,4125 to -0,2469	Yes	****	<0,0001
P1 vs. P6	-0,08877	-0,1715 to -0,005997	Yes	*	0,0344
P2 vs. P4	0,2536	0,1708 to 0,3364	Yes	****	<0,0001
P2 vs. P6	0,4945	0,4118 to 0,5773	Yes	****	<0,0001
P4 vs. P6	0,2409	0,1582 to 0,3237	Yes	****	<0,0001

Test details	Mean 1	Mean 2	Mean Diff,	SE of diff,	n1	n2	q	DF
P1 vs. P2	0,08623	0,6695	-0,5833	0,02788	4	4	29,59	12
P1 vs. P4	0,08623	0,4159	-0,3297	0,02788	4	4	16,72	12
P1 vs. P6	0,08623	0,175	-0,08877	0,02788	4	4	4,503	12
P2 vs. P4	0,6695	0,4159	0,2536	0,02788	4	4	12,87	12
P2 vs. P6	0,6695	0,175	0,4945	0,02788	4	4	25,09	12
P4 vs. P6	0,4159	0,175	0,2409	0,02788	4	4	12,22	12

Lampiran 5. Perbandingan Kadar GSH Otak Kental dan Encer

Sidak's multiple comparisons test	Mean Diff,	95,00% CI of diff,	Significant ?	Summary	Adjusted P Value
Kental – Encer					
Kontrol (-)	0	-0,545 to 0,545	No	ns	>0,9999
Kontrol (+)	0,2409	-0,3041 to 0,7859	No	ns	0,3402
Hipoksia 1H	0,1458	-0,3992 to 0,6908	No	ns	0,6791
Hipoksia 3H	0,08242	-0,4626 to 0,6274	No	ns	0,9254

Test details	Mean 1	Mean 2	Mean Diff,	SE of diff,	N1	N2	T
Kental – Encer							
Kontrol (-)	0,08623	0,08623	0	0,1018	1	1	0
Kontrol (+)	0,9105	0,6695	0,2409	0,1018	1	1	2,367
Hipoksia 1H	0,5618	0,4159	0,1458	0,1018	1	1	1,433
Hipoksia 3H	0,2574	0,175	0,08242	0,1018	1	1	0,8099

Lampiran 6: Kadar GSH Darah Pemberian Dosis Kental, Dosis Encer

Darah Kental

Repeated measures ANOVA summary	
P value	<0,0001
P value summary	****
Statistically significant (P < 0.05)?	Yes

Uji Normalitas Darah Kental

Shapiro-Wilk normality test				
W	0,9619	0,8801	0,985	0,9883
P value	0,7911	0,3391	0,9309	0,9486
Passed normality test (alpha=0.05)?	Yes	Yes	Yes	Yes
P value summary	ns	ns	ns	ns

Tukey's multiple comparisons test	Mean Diff,	95,00% CI of diff,	Significant ?	Summary	Adjusted P Value
P1 vs. P3	-4,204	-4,357 to -4,051	Yes	****	<0,0001
P1 vs. P5	-3,392	-3,725 to -3,059	Yes	****	<0,0001
P1 vs. P7	-3,069	-3,333 to -2,804	Yes	****	<0,0001
P3 vs. P5	0,8116	0,6181 to 1,005	Yes	***	0,0009
P3 vs. P7	1,135	0,8551 to 1,415	Yes	***	0,0010
P5 vs. P7	0,3234	-0,009473 to 0,6562	No	ns	0,0540

Darah Encer

Repeated measures **ANOVA** summary	
Assume sphericity?	No
F	1455
P value	<0,0001
P value summary	****
Statistically significant (P < 0.05)?	Yes

Uji Normalitas Darah Encer

Shapiro-Wilk normality test				
W	0,9619	0,9209	0,7617	0,9529
P value	0,7911	0,5419	0,0494	0,7343
Passed normality test (alpha=0.05)?	Yes	Yes	No	Yes
P value summary	ns	ns	*	ns

Darah Dosis Encer

Kruskal-Wallis test	
P value	<0,0001
Exact or approximate P value?	Exact
P value summary	****
Do the medians vary signif. (P < 0.05)?	Yes
Number of groups	4
Kruskal-Wallis statistic	14,14
Data summary	
Number of treatments (columns)	4
Number of values (total)	16

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

Tukey's multiple comparisons test	Mean Diff,	95,00% CI of diff,	Significant ?	Summary	Adjusted P Value
P1 vs. P2	-3,5	-3,795 to -3,204	Yes	****	<0,0001
P1 vs. P4	-2,568	-2,626 to -2,509	Yes	****	<0,0001
P1 vs. P6	-2,302	-2,577 to -2,026	Yes	****	<0,0001
P2 vs. P4	0,932	0,6106 to 1,253	Yes	**	0,0024
P2 vs. P6	1,198	0,914 to 1,483	Yes	***	0,0009
P4 vs. P6	0,2663	-0,005078 to 0,5377	No	ns	0,0526

Test details	Mean 1	Mean 2	Mean Diff,	SE of diff,	n1	n2	q	DF
P1 vs. P2	0,6632	4,163	-3,5	0,06125	4	4	80,8	3
P1 vs. P4	0,6632	3,231	-2,568	0,01214	4	4	299,1	3
P1 vs. P6	0,6632	2,965	-2,302	0,05706	4	4	57,04	3
P2 vs. P4	4,163	3,231	0,932	0,0666	4	4	19,79	3
P2 vs. P6	4,163	2,965	1,198	0,05891	4	4	28,77	3
P4 vs. P6	3,231	2,965	0,2663	0,05624	4	4	6,697	3

Lampiran 7: Perbandingan Kadar GSH Darah Pemberian Dosis Kental Dan Encer

Sidak's multiple comparisons test	Mean Diff,	95,00% CI of diff,	Significant?	Summary	Adjusted P Value
Kental - Encer					
(+)	0,704	0,5505 to 0,8575	Yes	****	<0,0001
(1)	0,8243	0,6708 to 0,9777	Yes	****	<0,0001
(3)	0,7673	0,6138 to 0,9207	Yes	****	<0,0001

Darah kental vs encer

Pearson r	
R	0,9978
95% confidence interval	
R squared	0,9955
P value	
P (two-tailed)	0,0426
P value summary	*
Significant? (alpha = 0.05)	Yes
Number of XY Pairs	3

Lampiran 8: Kadar GSH Otak Dan Darah Pemberian Dosis Kental

Pearson r	
R	0,9792
95% confidence interval	
R squared	0,9589

P value	
P (two-tailed)	0,1300
P value summary	Ns
Significant? (alpha = 0.05)	No
Number of XY Pairs	3

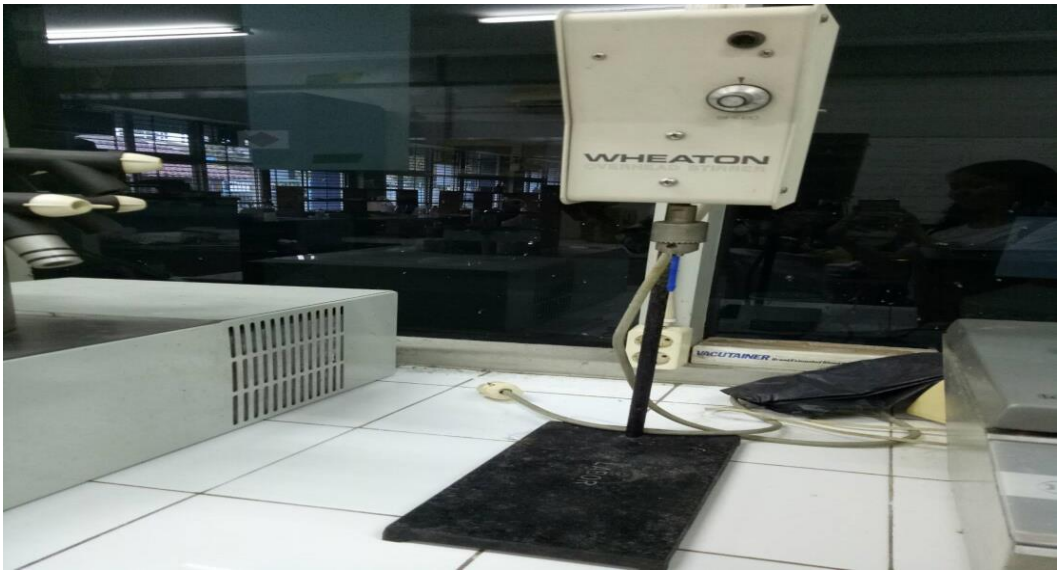
Lampiran 9: Kadar GSH Otak Dan Darah Pemberian Dosis Encer

Pearson r	
R	0,9566
95% confidence interval	
R squared	0,9151

P value	
P (two-tailed)	0,1882
P value summary	Ns
Significant? (alpha = 0.05)	No
Number of XY Pairs	3

Lampiran 10: Dokumentasi


Thermolyne
MODE SELECT


WHEATON
VACUTAINER


UltraMax
POWER
PULSE
MINUTES


HITACHI

DAFTAR RIWAYAT HIDUP

A. Data Pribadi

1. Nama : Carissa Evelyn Tany
2. NIM : 405140163
3. Jenis Kelamin : Perempuan
4. Tempat, Tanggal Lahir: Manado, 18April 1997
5. Agama : Buddha
6. Status : Belum Menikah
7. Pendidikan Terakhir : SMA
8. Alamat : Jl. A.A. Maramis, Kairagi
9. No. Telpon : 0895377344825, 0811145730
10. Email : carissatany@gmail.com

B. Data Pendidikan

1. 2002 – 2008 : SD Tridharma Manado
2. 2008 – 2011 : SMP Tridharma Manado
3. 2011 – 2014 : SMA Kristen Eben Haezar Manado
4. 2014–Sekarang : Fakultas Kedokteran Universitas Tarumanagara