LAMPIRAN A

SURAT DETERMINASI TANAMAN

UNIVERSITAS SURABAYA - FAKULTAS FARMASI
PUSAT INFORMASI DAN PENGEMBANGAN OBAT TRADISIONAL
Jln. Raya Kalirungkut Surabaya 60293
Telp. 031 2981165; 2981110 (Ext.3161) & Fax. 031 2981111; E-mail : Sutarjadi@ubaya.ac.id

SURAT KETERANGAN IDENTIFIKASI
NO.: 892/D.T/VIII/2010

Ketua PIPOT Fakultas Farmasi Unversitas Surabaya dengan ini menerangkan bahwa material tanaman yang dibawa oleh Saudara :

Lewis Luther - NRP : 2443007126
(Mahasiswa Universitas Katolik Widya Mandala Surabaya)

pada tanggal 26 Agustus 2010, ke Pusat Informasi dan Pengembangan Obat Tradisional, berdasarkan buku 'Flora of Java' karangan C.A. Backer & R.C. Bakhuizen van den Brink, jilid II (1968) halaman 120 mempunyai nama ilmiah sebagai berikut:

Marga : *Melia*
Jenis : *Melia azedarach* L.

Klasifikasi tanaman menurut buku 'The Standard Cyclopedia of Horticulture' karangan L.H. Bailey jilid I (1963) halaman 2-4, adalah sebagai berikut:

Divisi : Spermatophyta
Anak divisi : Angiospermae
Kelas : Dicotyledoneae
Anak kelas : Choripetalae
Bangsa : Geraniales
Suku : Meliaceae

Demikian surat keterangan ini dibuat untuk dapat dipergunakan sebagaimana mestinya.

Surabaya, 28 Agustus 2010

Lab. Anatomi, Morfologi & Fisiologi Tumbuhan

(Dra.Sajekti Palupi, MSi., Apt.)

Ketua PIPOT
Fakultas Farmasi Universitas Surabaya

PUSAT INFORMASI & PENGEMBANGAN OBAT TRADISIONAL FAKULTAS FARMASI

(Prof. Dr. H. Sutarjadi, Apt.)

LAMPIRAN B

SURAT SERTIFIKASI TIKUS PUTIH JANTAN

CV. SURABAYA MOUSE SERVICE
WEDORO MASJID NO 20 E RT: 01 RW: 05 WEDORO
KECAMATAN WARU SIDOARJO
TELP. 081938310682 - 031 - 70259110

Yang bertanda tangan di bawah ini :

Nama : M.Syamsul Bahri S.kom

Selaku penanggung jawab pengembangan hewan percobaan menerangkan bahwa yang

Digunakan pada penelitian :

Judul : Uji Antiinflamasi Fraksi Etil Asetat Ekstrak Etanol Daun Mindi (Melia Azedarach Linn.) Pada Tikus Putih.

Peneliti : Lewis Luther Laurano

Jurusan : Farmasi

Fakultas : Farmasi Universitas Katolik Widya Mandala Surabaya.

NIM / NIP : 2443007126

Merupakan hewan uji dengan spesifikasi :

Tikus galur : Wistar

Umur : 2-3 bulan

Jenis kelamin : Jantan

Jumlah : 25 Ekor

Demikian surat keterangan ini di buat untuk digunakan sebaik-baiknya.

Sidoarjo,08-03-2011
Penanggung jawab

(M.Syamsul Bahri S.kom)

LAMPIRAN C

PRINT OUT HASIL SPSS

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ONEWAY VAR00002 BY VAR00001   /STATISTICS
DESCRIPTIVES EFFECTS HOMOGENEITY BROWNFORSYTHE
WELCH   /MISSING ANALYSIS   /POSTHOC=TUKEY
WALLER(100) ALPHA(0.05).
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Oneway

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[DataSet1] C:\Users\axioo\Desktop\LEWIS JAM KE-
1.sav
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Descriptives

VAR00002

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Min	Max	Between-Component Variance
					Lower Bound	Upper Bound			
Kontrol Negatif	5	.3500	.03536	.01581	.3061	.3939	.30	.40	
Dosis Pertama	5	.3500	.03536	.01581	.3061	.3939	.30	.40	
Dosis Kedua	5	.3600	.02236	.01000	.3322	.3878	.35	.40	
Dosis Ketiga	5	.3400	.02236	.01000	.3122	.3678	.30	.35	

Kontrol Positif		5	.3100	.02236	.01000	.2822	.3378	.30	.35	
Total		25	.3420	.03122	.00624	.3291	.3549	.30	.40	
Model	Fixed Effects			.02828	.00566	.3302	.3538			
	Random Effects				.00860	.3181	.3659			.00021

Test of Homogeneity of Variances

VAR00002

Levene Statistic	df1	df2	Sig.
.059	4	20	.993

ANOVA

VAR00002

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	.007	4	.002	2.312	.093
Within Groups	.016	20	.001		
Total	.023	24			

Robust Tests of Equality of Means

VAR00002

	Statistic[a]	df1	df2	Sig.
Welch	2.868	4	9.907	.081
Brown-Forsythe	2.312	4	16.516	.101

a. Asymptotically F distributed.

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Post Hoc Tests

Multiple Comparisons

Dependent Variable:VAR00002

(I) VAR00001	(J) VAR00001	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
Kontrol Negatif	Dosis Pertama	.00000	.01789	1.000	-.0535	.0535
	Dosis Kedua	-.01000	.01789	.979	-.0635	.0435
	Dosis Ketiga	.01000	.01789	.979	-.0435	.0635
	Kontrol Positif	.04000	.01789	.207	-.0135	.0935
Dosis Pertama	Kontrol Negatif	.00000	.01789	1.000	-.0535	.0535
	Dosis Kedua	-.01000	.01789	.979	-.0635	.0435
	Dosis Ketiga	.01000	.01789	.979	-.0435	.0635
	Kontrol Positif	.04000	.01789	.207	-.0135	.0935

Dosis Kedua	Kontrol Negatif	.01000	.01789	.979	-.0435	.0635
	Dosis Pertama	.01000	.01789	.979	-.0435	.0635
	Dosis Ketiga	.02000	.01789	.795	-.0335	.0735
	Kontrol Positif	.05000	.01789	.074	-.0035	.1035
Dosis Ketiga	Kontrol Negatif	-.01000	.01789	.979	-.0635	.0435
	Dosis Pertama	-.01000	.01789	.979	-.0635	.0435
	Dosis Kedua	-.02000	.01789	.795	-.0735	.0335
	Kontrol Positif	.03000	.01789	.469	-.0235	.0835
Kontrol Positif	Kontrol Negatif	-.04000	.01789	.207	-.0935	.0135
	Dosis Pertama	-.04000	.01789	.207	-.0935	.0135
	Dosis Kedua	-.05000	.01789	.074	-.1035	.0035
	Dosis Ketiga	-.03000	.01789	.469	-.0835	.0235

Homogeneous Subsets

VAR00002

	VAR00001	N	Subset for alpha = 0.05	
			1	2
Tukey HSD[a]	5	5	.3100	
	4	5	.3400	
	1	5	.3500	
	2	5	.3500	
	3	5	.3600	
	Sig.		.074	
Waller-Duncan[a,,b]	5	5	.3100	
	4	5	.3400	.3400
	1	5	.3500	.3500
	2	5	.3500	.3500
	3	5		.3600

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

b. Type 1/Type 2 Error Seriousness Ratio = 100.

Oneway

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[DataSet1] C:\Users\axioo\Desktop\LEWIS JAM KE-
2.sav
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Descriptives

VAR00005

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Min	Max	Between-Component Variance
					Lower Bound	Upper Bound			
Kontrol Negatif	5	.35 00	.03536	.015 81	.3061	.3939	.30	.40	
Dosis Pertama	5	.36 00	.04183	.018 71	.3081	.4119	.30	.40	
Dosis Kedua	5	.35 00	.03536	.015 81	.3061	.3939	.30	.40	
Dosis Ketiga	5	.35 00	.03536	.015 81	.3061	.3939	.30	.40	
Kontrol Positif	5	.31 00	.02236	.010 00	.2822	.3378	.30	.35	
Total	2 5	.34 40	.03629	.007 26	.3290	.3590	.30	.40	

Model	Fixed Effects			.03464	.00693	.3295	.3585			
	Random Effects				.00872	.3198	.3682			.00014

Test of Homogeneity of Variances

VAR00005

Levene Statistic	df1	df2	Sig.
.317	4	20	.863

ANOVA

VAR00005

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	.008	4	.002	1.583	.217
Within Groups	.024	20	.001		
Total	.032	24			

Robust Tests of Equality of Means

VAR00005

	Statistic[a]	df1	df2	Sig.
Welch	2.230	4	9.838	.140
Brown-Forsythe	1.583	4	18.000	.222

a. Asymptotically F distributed.

Post Hoc Tests

Multiple Comparisons

Dependent Variable:VAR00005

(I) VAR00001	(J) VAR00001	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Kontrol Negatif	Dosis Pertama	-.01000	.02191	.990	-.0756	.0556
	Dosis Kedua	.00000	.02191	1.000	-.0656	.0656
	Dosis Ketiga	.00000	.02191	1.000	-.0656	.0656
	Kontrol Positif	.04000	.02191	.387	-.0256	.1056

Dosis Pertama	Kontrol Negatif	.01000	.02191	.990	-.0556	.0756
	Dosis Kedua	.01000	.02191	.990	-.0556	.0756
	Dosis Ketiga	.01000	.02191	.990	-.0556	.0756
	Kontrol Positif	.05000	.02191	.192	-.0156	.1156
Dosis Kedua	Kontrol Negatif	.00000	.02191	1.000	-.0656	.0656
	Dosis Pertama	-.01000	.02191	.990	-.0756	.0556
	Dosis Ketiga	.00000	.02191	1.000	-.0656	.0656
	Kontrol Positif	.04000	.02191	.387	-.0256	.1056
Dosis Ketiga	Kontrol Negatif	.00000	.02191	1.000	-.0656	.0656
	Dosis Pertama	-.01000	.02191	.990	-.0756	.0556
	Dosis Kedua	.00000	.02191	1.000	-.0656	.0656
	Kontrol Positif	.04000	.02191	.387	-.0256	.1056

Kontrol Positif	Kontrol Negatif	-.04000	.02191	.387	-.1056	.0256
	Dosis Pertama	-.05000	.02191	.192	-.1156	.0156
	Dosis Kedua	-.04000	.02191	.387	-.1056	.0256
	Dosis Ketiga	-.04000	.02191	.387	-.1056	.0256

Homogeneous Subsets

VAR00005

	VAR00001	N	Subset for alpha = 0.05
			1
Tukey HSD[a]	Kontrol Positif	5	.3100
	Kontrol Negatif	5	.3500
	Dosis Kedua	5	.3500
	Dosis Ketiga	5	.3500

	Dosis Pertama	5	.3600
	Sig.		.192

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Oneway

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[DataSet1] C:\Users\axioo\Desktop\LEWIS JAM KE-
3.sav
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Descriptives

VAR00006

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Min	Max	Between-Component Variance
					Lower Bound	Upper Bound			
Kontrol Negatif	5	.3600	.02236	.01000	.3322	.3878	.35	.40	
Dosis Pertama	5	.3300	.05701	.02550	.2592	.4008	.25	.40	
Dosis Kedua	5	.3300	.02739	.01225	.2960	.3640	.30	.35	

Dosis Ketiga		5	.2700	.02739	.01225	.2360	.3040	.25	.30	
Kontrol Positif		5	.2600	.02236	.01000	.2322	.2878	.25	.30	
Total		25	.3100	.05000	.01000	.2894	.3306	.25	.40	
Model	Fixed Effects			.03391	.00678	.2959	.3241			
	Random Effects				.01924	.2566	.3634			.00162

Test of Homogeneity of Variances

VAR00006

Levene Statistic	df1	df2	Sig.
2.624	4	20	.065

ANOVA

VAR00006

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	.037	4	.009	8.043	.000
Within Groups	.023	20	.001		
Total	.060	24			

Robust Tests of Equality of Means

VAR00006

	Statistic[a]	df1	df2	Sig.
Welch	13.233	4	9.878	.001
Brown-Forsythe	8.043	4	10.851	.003

a. Asymptotically F distributed.

Post Hoc Tests

Multiple Comparisons

Dependent Variable:VAR00006

(I) VAR00001	(J) VAR00001	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Kontrol Negatif	Dosis Pertama	.03000	.02145	.635	-.0342	.0942
	Dosis Kedua	.03000	.02145	.635	-.0342	.0942
	Dosis Ketiga	.09000*	.02145	.004	.0258	.1542
	Kontrol Positif	.10000*	.02145	.001	.0358	.1642
Dosis Pertama	Kontrol Negatif	-.03000	.02145	.635	-.0942	.0342
	Dosis Kedua	.00000	.02145	1.000	-.0642	.0642
	Dosis Ketiga	.06000	.02145	.074	-.0042	.1242
	Kontrol Positif	.07000*	.02145	.028	.0058	.1342
Dosis Kedua	Kontrol Negatif	-.03000	.02145	.635	-.0942	.0342
	Dosis Pertama	.00000	.02145	1.000	-.0642	.0642

	Dosis Ketiga	.06000	.02145	.074	-.0042	.1242
	Kontrol Positif	.07000*	.02145	.028	.0058	.1342
Dosis Ketiga	Kontrol Negatif	-.09000*	.02145	.004	-.1542	-.0258
	Dosis Pertama	-.06000	.02145	.074	-.1242	.0042
	Dosis Kedua	-.06000	.02145	.074	-.1242	.0042
	Kontrol Positif	.01000	.02145	.990	-.0542	.0742
Kontrol Positif	Kontrol Negatif	-.10000*	.02145	.001	-.1642	-.0358
	Dosis Pertama	-.07000*	.02145	.028	-.1342	-.0058
	Dosis Kedua	-.07000*	.02145	.028	-.1342	-.0058
	Dosis Ketiga	-.01000	.02145	.990	-.0742	.0542

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

VAR00006

		Subset for alpha = 0.05		
VAR00001	N	1	2	3

Tukey HSD[a]	Kontrol Positif	5	.2600		
	Dosis Ketiga	5	.2700	.2700	
	Dosis Pertama	5		.3300	.3300
	Dosis Kedua	5		.3300	.3300
	Kontrol Negatif	5			.3600
	Sig.		.990	.074	.635
Waller-Duncan[a,,b]	Kontrol Positif	5	.2600		
	Dosis Ketiga	5	.2700		
	Dosis Pertama	5		.3300	
	Dosis Kedua	5		.3300	
	Kontrol Negatif	5		.3600	

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

b. Type 1/Type 2 Error Seriousness Ratio = 100.

Oneway

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[DataSet1] C:\Users\axioo\Desktop\LEWIS JAM KE-
4.sav
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Descriptives

VAR00007

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Min	Max	Between-Component Variance
					Lower Bound	Upper Bound			
Kontrol Negatif	5	.3600	.02236	.01000	.3322	.3878	.35	.40	
Dosis Pertama	5	.2900	.04183	.01871	.2381	.3419	.25	.35	
Dosis Kedua	5	.2900	.02236	.01000	.2622	.3178	.25	.30	
Dosis Ketiga	5	.2200	.02739	.01225	.1860	.2540	.20	.25	
Kontrol Positif	5	.2200	.02739	.01225	.1860	.2540	.20	.25	
Total	25	.2760	.05972	.01194	.2513	.3007	.20	.40	

Model	Fixed Effects			.02915	.00583	.2638	.2882			
	Random Effects				.02619	.2033	.3487			.00326

Test of Homogeneity of Variances

VAR00007

Levene Statistic	df1	df2	Sig.
1.258	4	20	.319

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ANOVA

VAR00007

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	.069	4	.017	20.176	.000
Within Groups	.017	20	.001		
Total	.086	24			

Robust Tests of Equality of Means

VAR00007

	Statistic[a]	df1	df2	Sig.
Welch	23.473	4	9.917	.000
Brown-Forsythe	20.176	4	15.413	.000

a. Asymptotically F distributed.

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Post Hoc Tests

Multiple Comparisons

Dependent Variable:VAR00007

(I) VAR00001	(J) VAR00001	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Kontrol Negatif	Dosis Pertama	.07000*	.01844	.009	.0148	.1252
	Dosis Kedua	.07000*	.01844	.009	.0148	.1252
	Dosis Ketiga	.14000*	.01844	.000	.0848	.1952
	Kontrol Positif	.14000*	.01844	.000	.0848	.1952
Dosis Pertama	Kontrol Negatif	-.07000*	.01844	.009	-.1252	-.0148
	Dosis Kedua	.00000	.01844	1.000	-.0552	.0552
	Dosis Ketiga	.07000*	.01844	.009	.0148	.1252
	Kontrol Positif	.07000*	.01844	.009	.0148	.1252
Dosis Kedua	Kontrol Negatif	-.07000*	.01844	.009	-.1252	-.0148

	Dosis Pertama	.00000	.01844	1.000	-.0552	.0552
	Dosis Ketiga	.07000*	.01844	.009	.0148	.1252
	Kontrol Positif	.07000*	.01844	.009	.0148	.1252
Dosis Ketiga	Kontrol Negatif	-.14000*	.01844	.000	-.1952	-.0848
	Dosis Pertama	-.07000*	.01844	.009	-.1252	-.0148
	Dosis Kedua	-.07000*	.01844	.009	-.1252	-.0148
	Kontrol Positif	.00000	.01844	1.000	-.0552	.0552
Kontrol Positif	Kontrol Negatif	-.14000*	.01844	.000	-.1952	-.0848
	Dosis Pertama	-.07000*	.01844	.009	-.1252	-.0148
	Dosis Kedua	-.07000*	.01844	.009	-.1252	-.0148
	Dosis Ketiga	.00000	.01844	1.000	-.0552	.0552

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

VAR00007

	VAR00001	N	Subset for alpha = 0.05		
			1	2	3
Tukey HSD[a]	Dosis Ketiga	5	.2200		
	Kontrol Positif	5	.2200		
	Dosis Pertama	5		.2900	
	Dosis Kedua	5		.2900	
	Kontrol Negatif	5			.3600
	Sig.		1.000	1.000	1.000
Waller-Duncan[a,,b]	Dosis Ketiga	5	.2200		
	Kontrol Positif	5	.2200		
	Dosis Pertama	5		.2900	

	Dosis Kedua	5		.2900	
	Kontrol Negatif	5			.3600

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

b. Type 1/Type 2 Error Seriousness Ratio = 100.

Oneway

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[DataSet1] C:\Users\axioo\Desktop\LEWIS JAM KE-
5.sav
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Descriptives

VAR00008

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Min	Max	Between-Component Variance
					Lower Bound	Upper Bound			
Kontrol Negatif	5	.3700	.02739	.01225	.3360	.4040	.35	.40	

Dosis Pertama	5	.2900	.04183	.01871	.2381	.3419	.25	.35	
Dosis Kedua	5	.2700	.02739	.01225	.2360	.3040	.25	.30	
Dosis Ketiga	5	.2200	.02739	.01225	.1860	.2540	.20	.25	
Kontrol Positif	5	.2200	.02739	.01225	.1860	.2540	.20	.25	
Total	25	.2740	.06311	.01262	.2479	.3001	.20	.40	
Model	Fixed Effects		.03082	.00616	.2611	.2869			
	Random Effects			.02768	.1972	.3508			.00364

Test of Homogeneity of Variances

VAR00008

Levene Statistic	df1	df2	Sig.
.542	4	20	.706

ANOVA

VAR00008

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	.077	4	.019	20.158	.000
Within Groups	.019	20	.001		
Total	.096	24			

UNIVERSITAS KATOLIK WIDYA MANDALA SURABAYA

Robust Tests of Equality of Means

VAR00008

	Statistic[a]	df1	df2	Sig.
Welch	21.034	4	9.959	.000
Brown-Forsythe	20.158	4	16.988	.000

a. Asymptotically F distributed.

Post Hoc Tests

Multiple Comparisons

Dependent Variable:VAR00008

(I) VAR00001	(J) VAR00001	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Kontrol Negatif	Dosis Pertama	.08000*	.01949	.004	.0217	.1383
	Dosis Kedua	.10000*	.01949	.000	.0417	.1583
	Dosis Ketiga	.15000*	.01949	.000	.0917	.2083

	Kontrol Positif	.15000*	.01949	.000	.0917	.2083
Dosis Pertama	Kontrol Negatif	-.08000*	.01949	.004	-.1383	-.0217
	Dosis Kedua	.02000	.01949	.840	-.0383	.0783
	Dosis Ketiga	.07000*	.01949	.014	.0117	.1283
	Kontrol Positif	.07000*	.01949	.014	.0117	.1283
Dosis Kedua	Kontrol Negatif	-.10000*	.01949	.000	-.1583	-.0417
	Dosis Pertama	-.02000	.01949	.840	-.0783	.0383
	Dosis Ketiga	.05000	.01949	.116	-.0083	.1083
	Kontrol Positif	.05000	.01949	.116	-.0083	.1083
Dosis Ketiga	Kontrol Negatif	-.15000*	.01949	.000	-.2083	-.0917
	Dosis Pertama	-.07000*	.01949	.014	-.1283	-.0117
	Dosis Kedua	-.05000	.01949	.116	-.1083	.0083

	Kontrol Positif	.00000	.01949	1.000	-.0583	.0583
Kontrol Positif	Kontrol Negatif	-.15000*	.01949	.000	-.2083	-.0917
	Dosis Pertama	-.07000*	.01949	.014	-.1283	-.0117
	Dosis Kedua	-.05000	.01949	.116	-.1083	.0083
	Dosis Ketiga	.00000	.01949	1.000	-.0583	.0583

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

VAR00008

	VAR00001	N	Subset for alpha = 0.05		
			1	2	3
Tukey HSD[a]	Dosis Ketiga	5	.2200		
	Kontrol Positif	5	.2200		
	Dosis Kedua	5	.2700	.2700	

	Dosis Pertama	5		.2900	
	Kontrol Negatif	5			.3700
	Sig.		.116	.840	1.000
Waller-Duncan[a,,b]	Dosis Ketiga	5	.2200		
	Kontrol Positif	5	.2200		
	Dosis Kedua	5		.2700	
	Dosis Pertama	5		.2900	
	Kontrol Negatif	5			.3700

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

b. Type 1/Type 2 Error Seriousness Ratio = 100.

LAMPIRAN D

HASIL PARAMETER SIMPLISIA

Hasil Perhitungan Penetapan Susut Pengeringan Serbuk

Replikasi	Hasil susut pengeringan
1	4,8 %
2	4,5 %
3	4,5 %
Rerata±SD	4,6 %±0,17

Rata-rata : $\frac{4{,}8\% + 4{,}5\% + 4{,}5\%}{3} = 4{,}6\%$

Hasil Perhitungan Penetapan Kadar Abu

No	W (krus kosong) (gram)	W (bahan) (gram)	W (krus + abu) (gram)	% Kadar Abu
1	21,4167	2,0065	21,4951	3,91
2	21,5271	2,0093	21,5953	3,39
3	21,3601	2,0057	21,4324	3,60
Rerata±SD				3,64±0,26

Rata-rata : $\frac{3{,}91\,\% + 3{,}39\,\% + 3{,}60\,\%}{3} = 3{,}64\,\%$

Hasil Perhitungan Kadar Sari Larut Etanol

No	Berat cawan +ekstrak setelah diuapkan	Berat cawan kosong	Berat serbuk	Kadar Sari Larut Etanol (%)
1	58,8589	48,4374	5,0037	9,42
2	58,9057	48,4512	5,0021	10,09
3	59,2279	48,8037	5,0043	9,48
Rerata±SD				9,66±0,37

Rata-rata : $\frac{9,42\,\% + 10,09\,\% + 9,48\,\%}{3} = 9,66\,\%$

Hasil Perhitungan Kadar Sari Larut Air

No	Berat cawan +ekstrak setelah diuapkan	Berat cawan kosong	Berat serbuk	Kadar Sari Larut Air (%)
1	65,5232	55,4915	5,0039	10,63%
2	66,5543	56,5012	5,0046	11,06%
3	65,4053	55,3510	5,0025	11,09%
Rerata±SD				10,93±0,25

Rata-rata : $\frac{10,63\,\% + 11,06\,\% + 11,09\,\%}{3} = 10,93\,\%$

Hasil Perhitungan Randemen Ekstrak

$\frac{\text{berat ekstrak kental}}{\text{berat serbuk}}$ x 100%

$= \frac{130,5853 - 56,6304}{750} \text{x}100\,\% = 9,8601\,\%$

Hasil Perhitungan Harga Rf pada Pemeriksaan secara KLT dengan Pelarut = n-butanol : asam asetat glasial : air (3: 1: 1)

Contoh perhitungan :Rf : $\frac{\text{jarak yang ditempuh oleh zat}}{\text{jarak yang ditempuh oleh fase gerak}}$

Pada λ366 nm = 1. $Rf = \frac{3,6}{8} = 0,45$

2. $Rf = \frac{4,2}{8} = 0,52$

3. $Rf = \frac{4,6}{8} = 0,58$

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LAMPIRAN E

PERHITUNGAN KONSENTRASI SUSPENSI FRAKSI ETIL ASETAT

$$\text{Konsentrasi} = \frac{\text{Dosis x berat badan tikus}}{\text{Volume Pemberian x 1000}}$$

I. Konsentrasi $= \frac{25\text{mg x 100g}}{1\text{ ml x 1000}}$

= 2,5 mg/ml

= 0,0025 g/ml

= 0,25 g/100 ml

= 0,25 % b/v

II. Konsentrasi $= \frac{50\text{mg x 100g}}{1\text{ ml x 1000}}$

= 5,0 mg/ml

= 0,0050 g/ml

= 0,5 g/100 ml

= 0,5 % b/v

III. Konsentrasi $= \frac{75\text{mg x 100g}}{1\text{ ml x 1000}}$

= 7,5 mg/ml

= 0,0075 g/ml

= 0,75 g/100 ml

= 0,75 % b/v

LAMPIRAN F

TABEL UJI F

Baris pertama pada setiap pasangan baris adalah titik pada distribusi *F* untuk aras 0.05; baris kedua untuk aras 0.01.

Derajat kebebasan untuk rataan kuadrat yang lebih kecil	Derajat kebebasan untuk rataan kuadrat yang lebih besar																						
	1	2	3	4	5	6	7	8	9	10	11	12	14	16	20	24	30	40	50	75	100	200	500	∞
16	4.49	3.63	3.24	3.01	2.85	2.74	2.66	2.59	2.54	2.49	2.45	2.42	2.37	2.33	2.28	2.24	2.20	2.16	2.13	2.09	2.07	2.04	2.02	2.01
	8.53	6.23	5.29	4.77	4.44	4.20	4.03	3.89	3.78	3.69	3.61	3.55	3.45	3.37	3.25	3.18	3.10	3.01	2.96	2.89	2.86	2.80	2.77	2.75
17	4.45	3.59	3.20	2.96	2.81	2.70	2.62	2.55	2.50	2.45	2.41	2.38	2.33	2.29	2.23	2.19	2.15	2.11	2.08	2.04	2.02	1.99	1.97	1.96
	8.40	6.11	5.18	4.67	4.34	4.10	3.93	3.79	3.68	3.59	3.52	3.45	3.35	3.27	3.16	3.08	3.00	2.92	2.86	2.79	2.76	2.70	2.67	2.65
18	4.41	3.55	3.16	2.93	2.77	2.66	2.58	2.51	2.46	2.41	2.37	2.34	2.29	2.25	2.19	2.15	2.11	2.07	2.04	2.00	1.98	1.95	1.93	1.92
	8.28	6.01	5.09	4.58	4.25	4.01	3.85	3.71	3.60	3.51	3.44	3.37	3.27	3.19	3.07	3.00	2.91	2.83	2.78	2.71	2.68	2.62	2.59	2.57
19	4.38	3.52	3.13	2.90	2.74	2.63	2.55	2.48	2.43	2.38	2.34	2.31	2.26	2.21	2.15	2.11	2.07	2.02	2.00	1.96	1.94	1.91	1.90	1.88
	8.18	5.93	5.01	4.50	4.17	3.94	3.77	3.63	3.52	3.43	3.36	3.30	3.19	3.12	3.00	2.92	2.84	2.76	2.70	2.63	2.60	2.54	2.51	2.49
20	4.35	3.49	3.10	2.87	2.71	2.60	2.52	2.45	2.40	2.35	2.31	2.28	2.23	2.18	2.12	2.08	2.04	1.99	1.96	1.92	1.90	1.87	1.85	1.84
	8.10	5.85	4.94	4.43	4.10	3.87	3.71	3.56	3.45	3.37	3.30	3.23	3.13	3.05	2.94	2.86	2.77	2.69	2.63	2.56	2.53	2.47	2.44	2.42
21	4.32	3.47	3.07	2.84	2.68	2.57	2.49	2.42	2.37	2.32	2.28	2.25	2.20	2.15	2.09	2.05	2.00	1.96	1.93	1.80	1.87	1.84	1.82	1.81
	8.02	5.78	4.87	4.37	4.04	3.81	3.65	3.51	3.40	3.31	3.24	3.17	3.07	2.99	2.88	2.80	2.72	2.63	2.58	2.51	2.47	2.42	2.38	2.36
22	4.30	3.44	3.05	2.82	2.66	2.55	2.47	2.40	2.35	2.30	2.26	2.23	2.18	2.13	2.07	2.03	1.98	1.93	1.91	1.87	1.84	1.81	1.80	1.78
	7.94	5.72	4.82	4.31	3.99	3.76	3.59	3.45	3.35	3.26	3.18	3.12	3.02	2.94	2.83	2.75	2.67	2.58	2.53	2.46	2.42	2.37	2.33	2.31
23	4.28	3.42	3.03	2.80	2.64	2.53	2.45	2.38	2.32	2.28	2.24	2.20	2.14	2.10	2.04	2.00	1.96	1.91	1.88	1.84	1.82	1.79	1.77	1.76
	7.88	5.66	4.76	4.26	3.94	3.71	3.54	3.41	3.30	3.21	3.14	3.07	2.97	2.89	2.78	2.70	2.62	2.53	2.48	2.41	2.37	2.32	2.28	2.26
24	4.26	3.40	3.01	2.78	2.62	2.51	2.43	2.36	2.30	2.26	2.22	2.18	2.13	2.09	2.02	1.98	1.94	1.89	1.86	1.82	1.80	1.76	1.74	1.73
	7.82	5.61	4.72	4.22	3.90	3.67	3.50	3.36	3.25	3.17	3.09	3.03	2.93	2.85	2.74	2.66	2.58	2.49	2.44	2.36	2.33	2.27	2.23	2.21
25	4.24	3.38	2.99	2.76	2.60	2.49	2.41	2.34	2.28	2.24	2.20	2.16	2.11	2.06	2.00	1.96	1.92	1.87	1.84	1.80	1.77	1.74	1.72	1.71
	7.77	5.57	4.68	4.18	3.86	3.63	3.46	3.32	3.21	3.13	3.05	2.99	2.89	2.81	2.70	2.62	2.54	2.45	2.40	2.32	2.29	2.23	2.19	2.17
26	4.22	3.37	2.89	2.74	2.59	2.47	2.39	2.32	2.27	2.22	2.18	2.15	2.10	2.05	1.99	1.95	1.90	1.85	1.82	1.78	1.76	1.72	1.70	1.69
	7.72	5.53	4.64	4.14	3.82	3.59	3.42	3.29	3.17	3.09	3.02	2.96	2.86	2.77	2.66	2.58	2.50	2.41	2.36	2.28	2.25	2.19	2.15	2.13
27	4.21	3.35	2.96	2.73	2.57	2.46	2.37	2.30	2.25	2.20	2.16	2.13	2.08	2.03	1.97	1.93	1.88	1.84	1.80	1.76	1.74	1.71	1.68	1.67
	7.68	5.49	4.60	4.11	3.79	3.56	3.39	3.26	3.14	3.06	2.98	2.93	2.83	2.74	2.63	2.55	2.47	2.38	2.33	2.25	2.21	2.16	2.12	2.10
28	4.20	3.34	2.95	2.71	2.56	2.44	2.36	2.29	2.24	2.19	2.15	2.12	2.06	2.02	1.96	1.91	1.87	1.81	1.78	1.75	1.72	1.69	1.67	1.65
	7.64	5.45	4.57	4.07	3.76	3.53	3.36	3.23	3.11	3.03	2.95	2.90	2.80	2.71	2.60	2.52	2.44	2.35	2.30	2.22	2.18	2.13	2.09	2.06
29	4.18	3.33	2.93	2.70	2.54	2.43	2.35	2.28	2.22	2.18	2.14	2.10	2.05	2.00	1.94	1.90	1.85	1.80	1.77	1.73	1.71	1.68	1.65	1.64
	7.60	5.52	4.54	4.04	3.73	3.50	3.32	3.20	3.08	3.00	2.92	2.87	2.77	2.68	2.57	2.49	2.41	2.32	2.27	2.19	2.15	2.10	2.06	2.03
30	4.17	3.32	2.92	2.69	2.53	2.42	2.34	2.27	2.21	2.16	2.12	2.09	2.04	1.99	1.93	1.89	1.84	1.79	1.76	1.72	1.69	1.66	1.64	1.62
	7.56	5.39	4.51	4.02	3.70	3.47	3.30	3.17	3.06	2.98	2.90	2.84	2.74	2.66	2.55	2.47	2.38	2.29	2.24	2.16	2.13	2.07	2.03	2.01

(*bersambung*)

Tabel uji F (lanjutan)

Baris pertama pada setiap pasangan baris adalah titik pada distribusi *F* untuk aras 0.05; baris kedua untuk aras 0.01.

Derajat kebebasan untuk rataan kuadrat yang lebih kecil.	Derajat kebebasan untuk rataan kuadrat yang lebih besar.																						
	1	2	3	4	5	6	7	8	9	10	11	12	14	16	20	24	30	40	50	75	100	200	500	∞
32	4.15	3.30	2.90	2.67	2.51	2.40	2.32	2.25	2.19	2.14	2.10	2.07	2.02	1.97	1.91	1.86	1.82	1.76	1.74	1.69	1.67	1.64	1.61	1.59
	7.50	5.34	4.46	3.97	3.66	3.42	3.25	3.12	3.01	2.94	2.86	2.80	2.70	2.62	2.51	2.42	2.34	2.25	2.20	2.12	2.08	2.02	1.98	1.96
34	4.13	3.28	2.88	2.65	2.49	2.38	2.30	2.23	2.17	2.12	2.08	2.05	2.00	1.95	1.89	1.84	1.80	1.74	1.71	1.67	1.64	1.61	1.59	1.57
	7.44	5.29	4.42	3.93	3.61	3.38	3.21	3.08	2.97	2.89	2.82	2.76	2.66	2.58	2.47	2.38	2.30	2.21	2.15	2.08	2.04	1.98	1.94	1.91
36	4.11	3.26	2.86	2.63	2.48	2.36	2.28	2.21	2.15	2.10	2.06	2.03	1.89	1.93	1.87	1.82	1.78	1.72	1.69	1.65	1.62	1.59	1.56	1.55
	7.39	5.25	4.38	3.89	3.58	3.35	3.18	3.04	2.94	2.86	2.78	2.72	2.62	2.54	2.43	2.35	2.26	2.17	2.12	2.04	2.00	1.94	1.90	1.87
38	4.10	3.25	2.85	2.62	2.46	2.35	2.26	2.19	2.14	2.09	2.05	2.02	1.96	1.92	1.85	1.80	1.76	1.71	1.67	1.63	1.60	1.57	1.54	1.53
	7.35	5.21	4.34	3.86	3.54	3.32	3.15	3.02	2.91	2.82	2.75	2.69	2.59	2.51	2.40	2.32	2.22	2.14	2.08	2.00	1.97	1.90	1.86	1.84
40	4.08	3.23	2.84	2.61	2.45	2.34	2.25	2.18	2.12	2.07	2.04	2.00	1.95	1.90	1.84	1.79	1.74	1.69	1.66	1.61	1.59	1.55	1.53	1.51
	7.31	5.18	4.31	3.83	3.51	3.29	3.12	2.99	2.88	2.80	2.73	2.66	2.56	2.49	2.37	2.29	2.20	2.11	2.05	1.97	1.94	1.88	1.84	1.81
42	4.07	3.22	2.83	2.59	2.44	2.32	2.24	2.17	2.11	2.06	2.02	1.90	1.94	1.89	1.82	1.78	1.73	1.68	1.64	1.60	1.57	1.54	1.51	1.49
	7.27	5.15	4.29	3.80	3.49	3.26	3.10	2.96	2.86	2.77	2.70	2.64	2.54	2.46	2.35	2.26	2.17	2.08	2.02	1.94	1.91	1.85	1.80	1.78
44	4.06	3.21	2.82	2.58	2.43	2.31	2.23	2.16	2.10	2.05	2.01	1.98	1.92	1.88	1.81	1.76	1.72	1.66	1.63	1.58	1.56	1.52	1.50	1.48
	7.24	5.12	4.26	3.78	3.46	3.24	3.07	2.94	2.84	2.75	2.68	2.62	2.52	2.44	2.32	2.24	2.15	2.06	2.09	1.92	1.88	1.82	1.78	1.75
46	4.05	3.20	2.81	2.57	2.42	2.30	2.22	2.14	2.09	2.04	2.00	1.97	1.91	1.87	1.80	1.75	1.71	1.65	1.62	1.57	1.54	1.51	1.48	1.46
	7.21	5.10	4.24	3.76	3.44	3.22	3.05	2.92	2.82	2.73	2.66	2.60	2.50	2.42	2.30	2.22	2.13	2.04	1.98	1.90	1.86	1.80	1.76	1.72
48	4.04	3.19	2.80	2.56	2.41	2.30	2.21	2.14	2.08	2.03	1.99	1.96	1.90	1.86	1.79	1.74	1.70	1.64	1.61	1.56	1.53	1.50	1.47	1.45
	7.19	5.08	4.22	3.74	3.42	3.20	3.04	2.90	2.80	2.71	2.64	2.58	2.48	2.40	2.28	2.20	2.11	2.02	1.96	1.88	1.84	1.78	1.73	1.70
50	4.03	3.18	2.79	2.56	2.40	2.29	2.20	2.13	2.07	2.02	1.98	1.95	1.90	1.85	1.78	1.74	1.69	1.63	1.60	1.55	1.52	1.48	1.46	1.44
	7.17	5.06	4.20	3.72	3.41	3.18	3.02	2.88	2.78	2.70	2.62	2.56	2.46	2.39	2.26	2.18	2.10	2.00	1.94	1.86	1.82	1.76	1.71	1.68
55	4.02	3.17	2.78	2.54	2.38	2.27	2.18	2.11	2.05	2.00	1.97	1.93	1.88	1.83	1.76	1.72	1.67	1.61	1.58	1.52	1.50	1.46	1.43	1.41
	7.12	5.01	4.16	3.68	3.37	3.15	2.98	2.85	2.75	2.66	2.59	2.53	2.43	2.35	2.23	2.15	2.06	1.96	1.90	1.82	1.78	1.71	1.66	1.64
60	4.00	3.15	2.76	2.52	2.37	2.25	2.17	2.10	2.04	1.99	1.95	1.92	1.86	1.81	1.75	1.70	1.65	1.59	1.56	1.50	1.48	1.44	1.41	1.39
	7.08	4.98	4.13	3.65	3.34	3.12	2.95	2.82	2.72	2.63	2.56	2.50	2.40	2.32	2.20	2.12	2.03	1.93	1.87	1.79	1.74	1.68	1.63	1.60
65	3.99	3.14	2.75	2.51	2.36	2.24	2.15	2.08	2.02	1.98	1.94	1.90	1.85	1.80	1.73	1.68	1.63	1.57	1.54	1.49	1.46	1.42	1.39	1.37
	7.04	4.95	4.10	3.62	3.31	3.09	2.93	2.79	2.70	2.61	2.54	2.47	2.37	2.30	2.18	2.09	2.00	1.90	1.84	1.76	1.71	1.64	1.60	1.56
70	3.98	3.13	2.74	2.50	2.35	2.32	2.14	2.07	2.01	1.97	1.93	1.89	1.84	1.79	1.72	1.67	1.62	1.56	1.53	1.47	1.45	1.40	1.37	1.35
	7.01	4.92	4.08	3.60	3.29	3.07	2.91	2.77	2.67	2.59	2.51	2.45	2.35	2.28	2.15	2.07	1.98	1.88	1.82	1.74	1.69	1.62	1.56	1.53
80	3.96	3.11	2.72	2.48	2.33	2.21	2.12	2.05	1.99	1.95	1.91	1.88	1.82	1.77	1.70	1.65	1.60	1.54	1.51	1.45	1.42	1.38	1.35	1.32
	6.96	4.88	4.04	3.56	3.25	3.04	2.87	2.74	2.64	2.55	2.48	2.41	2.32	2.24	2.11	2.03	1.94	1.84	1.78	1.70	1.65	1.57	1.52	1.49

Sumber: Schefler (1987).

LAMPIRAN G

TABEL KORELASI

Tabel Korelasi (r)

DEGREES OF FREEDOM (DF)	5 PERCENT	1 PERCENT	DEGREES OF FREEDOM (DF)	5 PERCENT	1 PERCENT
1	.997	1.000	24	.388	.496
2	.950	.990	25	.381	.487
3	.878	.959	26	.374	.478
4	.811	.917	27	.367	.470
5	.754	.874	28	.361	.463
6	.707	.834	29	.355	.456
7	.666	.798	30	.349	.449
8	.632	.765	35	.325	.418
9	.602	.735	40	.304	.393
10	.576	.708	48	.288	.372
11	.553	.684	50	.273	.354
12	.532	.661	60	.250	.325
13	.514	.641	70	.232	.302
14	.497	.623	80	.217	.283
15	.482	.606	90	.205	.267
16	.468	.590	100	.195	.254
17	.456	.575	125	.174	.228
18	.444	.561	150	.159	.208
19	.433	.549	200	.138	.181
20	.423	.537	300	.113	.148
21	.413	.526	400	.098	.128
22	.404	.515	500	.088	.115
23	.396	.505	1000	.062	.081

Sumber: Soedigdo & Soedigdo (1977)