

LAMPIRAN A

SURAT DETERMINASI TANAMAN



DINAS KESEHATAN PROPINSI JAWA TIMUR
UPT MATERIA MEDICA
Jalan Lahor No.87 Telp. (0341) 593396 Batu (65313)
KOTA BATU

Nomor : 074 / 140 / 101.8 / 2011
Sifat : Biasa
Perihal : Determinasi Tanaman Sambiloto

Memenuhi permohonan saudara :
Nama : RISKHA KHAERUDIN
N R P : 244.300.8094
Fakultas : Fakultas Farmasi
Universitas Katolik Widya Mandala Surabaya

1. Perihal determinasi tanaman Sambiloto

Kingdom : Plantae (Tumbuhan)
Subkingdom : Tracheobionta (Tumbuhan berpembuluh)
Super Divisi : Spermatophyta (Menghasilkan biji)
Divisi : Magnoliophyta (Tumbuhan berbunga)
Kelas : Dicotyledonae
Bangsa : Solanales
Suku : Acanthaceae
Marga : Andrographis
Jenis : *Andrographis paniculata* Ness
Sinonim : *Justicia stricta*, Lamk. = *J. paniculata*, Burm. = *J. latebrosa*,
Russ.
Ki oray, ki peurat, takilo (Sunda), bidara, sadilata, sambilota,
takila (Jawa), pepaitan (Sumatra).
Kunci determinasi : 1 b - 2 b - 3b - 4 b- 6b- 7 b- 9b- 10b- 11b - 12 b- 13 b - 14 b -
16 a - 239 b - 243 b - 244 b - 248 b - 249 b - 250 a - 251 b - 253 b
- 254 b - 255 a - 256 a - 257 b - 259 a - 2b

2. Nama Simplisia : Andrographidis Herba/ Herba sambiloto

3. Kandungan : Daun dan percabangannya mengandung laktone yang terdiri dari deoksiandrografolid, andrografolid (zat pahit), neoandrografolid, 14-deoksi-11-12-didehidroandrografolid, dan homoandrografolid. Juga terdapat flavonoid, alkane, keton, aldehid, mineral (kalium, kalsium, natrium), asam kersik, dan damar. Flavotoid diisolasi terbanyak dari akar, yaitu polimetoksiflavon, andrografen, panikulin, mono-0-metilwithin, dan apigenin-7,4- dimetileter.

4. Penggunaan : Penelitian

5. . Daftar Pustaka : - Anonim., *Serial Tanaman Obat " SAMBILOTO "*, 2006.
Badan POM Republik Indonesia
- Steenis,CGGI Van Dr , *FLORA*, 2008, Pradnya Paramita , Jakarta
- Syamsuhidayat, Sri sugati, Hutapea, Johny Ria. *Inventaris Tanaman Obat Indonesia* Departemen Kesehatan Republik Indonesia : Badan Penelitian Dan Pengembangan Kesehatan

Demikian determinasi ini kami buat untuk dipergunakan sebagaimana mestinya.

Batu , 7 Oktober 2011



LAMPIRAN B
SURAT SERTIFIKASI TIKUS PUTIH JANTAN

CV.SURABAYA MOUSE SERVICE

Wedoro masjid 20e RT : 01 RW : 05

Wedoro -Waru-Sidoarjo

Telp : 081938310682 – 085731276778

Yang bertanda tangan dibawah ini :

Nama : M.Syamsul Bahri,S.Kom

Selaku penanggung jawab pengembangan hewan percobaan menerangkan bahwa yang di gunakan pada penelitian :

Peneliti : Riska Haerudin

Penelitian : Uji Antipiretik Fraksi EtilAsetat Ekstrak Etanol Herba Sambiloto
(Andrographis Paniculata) Pada Tikus Putih

Fakultas : Farmasi Universitas Katolik Widya Mandala Surabaya

NRP : 2443008094

Hewan uji yang digunakan dengan spesifikasi :

Tikus galur : Wistar

Umur : 3 Bulan (150 - 170 Gram)

Kelamin : Jantan

Jumlah : 20 Ekor

Demikian Surat keterangan ini dibuat untuk digunakan dengan sebaik-baiknya

Sidoarjo, 24 Oktober 2011
penanggung jawab



M.Syamsul Bahri, S.Kom

LAMPIRAN C
HASIL PARAMETER SIMPLISIA

Hasil Perhitungan Penetapan Susut Pengeringan Serbuk

Replikasi	Hasil susut pengeringan
1	7,5 %
2	8 %
3	8 %
Rata-rata	7,83 %

$$\text{Rata-rata : } \frac{7,5\% + 8\% + 8\%}{3} = 7,83\%$$

Hasil Perhitungan Penetapan Kadar Abu

No	W (krus kosong) (gram)	W (bahan) (gram)	W (krus + abu) (gram)	% Kadar Abu
1	17,4885	2,0153	17,7108	11,03
2	18,7236	2,0056	18,9490	11,24
3	17,4421	2,0237	17,6763	11,57
Rata-rata				11,28

$$\text{Rata-rata : } \frac{11,03\% + 11,24\% + 11,57\%}{3} = 11,28\%$$

Hasil Perhitungan Kadar Sari Larut Etanol

No	Berat cawan + ekstrak setelah diuapkan	Berat cawan kosong	Berat serbuk	Kadar Sari Larut Etanol (%)
1	52,0145	38,9693	5,0102	13,05
2	51,5512	38,4512	5,0075	13,10
3	51,8237	38,8037	5,0154	13,02
Rata-rata				13,06

$$\text{Rata-rata : } \frac{13,05\% + 13,10\% + 13,02\%}{3} = 13,06\%$$

Hasil Perhitungan Kadar Sari Larut Air

No	Berat cawan +ekstrak setelah diuapkan	Berat cawan kosong	Berat serbuk	Kadar Sari Larut Air (%)
1	40,7487	38,8452	5,0000	19,07%
2	40,8728	38,9673	5,0195	19,04%
3	40,2199	39,2716	5,0099	18,93%
Rata-rata				19,01

$$\text{Rata-rata : } \frac{19,07\% + 19,04\% + 18,93\%}{3} = 19,01\%$$

Hasil Perhitungan Randemen Ekstrak

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

berat serbuk

$$= \frac{287,4446 - 46,4526}{1000} \times 100\% = 24,0992\%$$

Hasil Perhitungan Harga Rf pada Pemeriksaan secara KLT dengan Pelarut = butanol : asam asetat : air (4: 1: 5)

Perhitungan Harga Rf Ekstrak Etanol Herba Sambiloto

$$Rf = \frac{\text{Jarak yang ditempuh oleh zat}}{\text{Jarak yang ditempuh oleh fase gerak}}$$

$$\text{Pada } \lambda \text{ 366 nm : 1. Rf noda ekstrak etanol : } \frac{4,5 \text{ cm}}{8 \text{ cm}} = 0,5625$$

$$2. \text{ Rf rutin : } \frac{4,7 \text{ cm}}{8 \text{ cm}} = 0,5875$$

Perhitungan Harga Rf Fraksi Etil Asetat Ekstrak Etanol Herba Sambiloto

$$R_f = \frac{\text{Jarak yang ditempuh oleh zat}}{\text{Jarak yang ditempuh oleh fase gerak}}$$

Pada λ 366 nm :

$$1. \text{ Rf noda ekstrak etanol} : \frac{4,5 \text{ cm}}{8 \text{ cm}} = 0,5625$$

$$2. \text{ Rf Fraksi air ekstrak etanol} : \frac{5,1 \text{ cm}}{8 \text{ cm}} = 0,6375$$

$$3. \text{ Rf Fraksi etil asetat ekstrak etanol} : \frac{4,7 \text{ cm}}{8 \text{ cm}} = 0,5875$$

$$4. \text{ Rf rutin} : \frac{4,7 \text{ cm}}{8 \text{ cm}} = 0,5875$$

LAMPIRAN D
PERHITUNGAN KONSENTRASI SUSPENSI FRAKSI ETIL ASETAT

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

$$\begin{aligned}\text{I. Konsentrasi} &= \frac{1,56 \text{ mg} \times 100 \text{ g}}{1 \text{ ml} \times 1000} \\ &= 0,156 \text{ mg/ml} \\ &= 0,000156 \text{ g/ml} \\ &= 0,0156 \text{ g/100 ml} \\ &= 0,0156 \% \text{ b/v}\end{aligned}$$

$$\begin{aligned}\text{II. Konsentrasi} &= \frac{3,12 \text{ mg} \times 100 \text{ g}}{1 \text{ ml} \times 1000} \\ &= 0,312 \text{ mg/ml} \\ &= 0,000312 \text{ g/ml} \\ &= 0,0312 \text{ g/100 ml} \\ &= 0,0312 \% \text{ b/v}\end{aligned}$$

$$\begin{aligned}\text{III. Konsentrasi} &= \frac{6,24 \text{ mg} \times 100 \text{ g}}{1 \text{ ml} \times 1000} \\ &= 0,624 \text{ mg/ml} \\ &= 0,000624 \text{ g/ml} \\ &= 0,0624 \text{ g/100 ml} \\ &= 0,0624 \% \text{ b/v}\end{aligned}$$

LAMPIRAN E

PERHITUNGAN PENGUKURAN SUHU TUBUH TIKUS PUTIH

Perhitungan Rerata Penurunan Suhu Tubuh Tikus Putih

Penurunan suhu tubuh = $T_o - T$

T_o = suhu puncak demam (suhu sesaat setelah pemberian sediaan)

T = suhu tubuh pada menit 0, 30, 60, 90, 120, 150, 180, 210, 240 setelah pemberian sediaan

1. Kelompok Kontrol Negatif

Pada menit ke-30 : $38,12 - 38,08 = 0,04$

Pada menit ke-60 : $38,12 - 38,10 = 0,02$

2. Kelompok F_1 (dosis 1,56 mg/kg BB)

Pada menit ke-30 : $38,20 - 38,14 = 0,06$

Pada menit ke-60 : $38,20 - 38,04 = 0,16$

Perhitungan Rerata Persentase Penurunan Suhu Tubuh Tikus Putih

% penurunan suhu tubuh = $\frac{T_o - T}{T_o} \times 100\%$

1. Kelompok Kontrol Negatif

Pada menit ke-30 : $\frac{38,12 - 38,08}{38,12} \times 100\% = 0,10\%$

Pada menit ke-60 : $\frac{38,12 - 38,10}{38,12} \times 100\% = 0,05\%$

2. Kelompok F_1 (dosis 1,56 mg/kg BB)

Pada menit ke-30 : $\frac{38,20 - 38,14}{38,20} \times 100\% = 0,16\%$

Pada menit ke-60 : $\frac{38,20 - 38,04}{38,20} \times 100\% = 0,42\%$

LAMPIRAN F

PRINT OUT HASIL SPSS

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

Oneway

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Descriptives

Mean_Suhu

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Min	Max	Between- Component Variance
						Lower Bound	Upper Bound			
T30 PGA		5	38.0800	.08367	.03742	37.9761	38.1839	38.00	38.20	
T30 Fraksi 1		5	38.1400	.08944	.04000	38.0289	38.2511	38.00	38.20	
T30 Fraksi 2		5	38.0800	.13038	.05831	37.9181	38.2419	37.90	38.20	
T30 Fraksi 3		5	38.0340	.06148	.02750	37.9577	38.1103	37.97	38.10	
T30 Parasetamol		5	38.1000	.10000	.04472	37.9758	38.2242	38.00	38.20	
Total		25	38.0868	.09411	.01882	38.0480	38.1256	37.90	38.20	
Model	Fixed Effects			.09569	.01914	38.0469	38.1267			
	Random Effects				.01914 ^a	38.0337 ^a	38.1399 ^a			-.00036

a. Warning: Between-component variance is negative. It was replaced by 0.0 in computing this random effects measure.

Test of Homogeneity of Variances

Mean_Suhu

Levene Statistic	df1	df2	Sig.
1.014	4	20	.424

ANOVA

Mean_Suhu

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.029	4	.007	.803	.537
Within Groups	.183	20	.009		
Total	.213	24			

Post Hoc Tests

Multiple Comparisons							
Dependent Variable:Mean_Suhu							
	(I) T_Suhu	(J) T_Suhu	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Tukey HSD	T30 PGA	T30 Fraksi 1	-.06000	.06052	.856	-.2411	.1211
		T30 Fraksi 2	.00000	.06052	1.000	-.1811	.1811
		T30 Fraksi 3	.04600	.06052	.939	-.1351	.2271
		T30 Parasetamol	-.02000	.06052	.997	-.2011	.1611
		T30 Fraksi 1	.06000	.06052	.856	-.1211	.2411
	T30 Fraksi 1	T30 PGA	.06000	.06052	.856	-.1211	.2411
		T30 Fraksi 2	.10600	.06052	.427	-.0751	.2871
		T30 Fraksi 3	.04000	.06052	.962	-.1411	.2211
		T30 Parasetamol	.00000	.06052	1.000	-.1811	.1811
	T30 Fraksi 2	T30 PGA	-.06000	.06052	.856	-.2411	.1211
		T30 Fraksi 1	.04600	.06052	.939	-.1351	.2271
		T30 Fraksi 3	-.02000	.06052	.997	-.2011	.1611
		T30 Parasetamol	-.04600	.06052	.939	-.2271	.1351
	T30 Fraksi 3	T30 PGA	-.10600	.06052	.427	-.2871	.0751
		T30 Fraksi 1	-.04600	.06052	.939	-.2271	.1351
		T30 Fraksi 2	-.06600	.06052	.809	-.2471	.1151
		T30 Parasetamol	.02000	.06052	.997	-.1611	.2011
	T30 Paraseta mol	T30 PGA	-.04000	.06052	.962	-.2211	.1411
		T30 Fraksi 1	.02000	.06052	.997	-.1611	.2011
		T30 Fraksi 2	.06600	.06052	.809	-.1151	.2471

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Descriptives										
Mean_Suhu										
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Min	Max	Between-Component Variance
						Lower Bound	Upper Bound			
	T60 PGA	5	38.1000	.07071	.03162	38.0122	38.1878	38.00	38.20	
	T60 Fraksi 1	5	38.0400	.11402	.05099	37.8984	38.1816	37.90	38.20	
	T60 Fraksi 2	5	37.9600	.11402	.05099	37.8184	38.1016	37.80	38.10	
	T60 Fraksi 3	5	37.9600	.08944	.04000	37.8489	38.0711	37.80	38.00	
	T60 Parasetamol	5	38.0060	.11036	.04936	37.8690	38.1430	37.83	38.10	
	Total	25	38.0132	.10695	.02139	37.9691	38.0573	37.80	38.20	
Mode 1	Fixed Effects			.10117	.02023	37.9710	38.0554			
	Random Effects				.02642	37.9398	38.0866			.00144

Test of Homogeneity of Variances			
Mean_Suhu			
Levene Statistic	df1	df2	Sig.
.569	4	20	.688

ANOVA					
Mean_Suhu					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.070	4	.017	1.705	.188
Within Groups	.205	20	.010		
Total	.275	24			

Post Hoc Tests

Multiple Comparisons Dependent Variable: Mean_Suhu

						95% Confidence Interval	
	(I) T_Fraksi	(J) T_Fraksi	Mean Difference (I-J)	Std. Error	Sig.	Lower Bound	Upper Bound
Tukey HSD	T60 PGA	T60 Fraksi 1	.06000	.06399	.879	-.1315	.2515
		T60 Fraksi 2	.14000	.06399	.224	-.0515	.3315
		T60 Fraksi 3	.14000	.06399	.224	-.0515	.3315
		T60 Parasetamol	.09400	.06399	.593	-.0975	.2855
	T60 Fraksi 1	T60 PGA	-.06000	.06399	.879	-.2515	.1315
		T60 Fraksi 2	.08000	.06399	.723	-.1115	.2715
		T60 Fraksi 3	.08000	.06399	.723	-.1115	.2715
		T60 Parasetamol	.03400	.06399	.983	-.1575	.2255
	T60 Fraksi 2	T60 PGA	-.14000	.06399	.224	-.3315	.0515
		T60 Fraksi 1	-.08000	.06399	.723	-.2715	.1115
		T60 Fraksi 3	.00000	.06399	1.000	-.1915	.1915
		T60 Parasetamol	-.04600	.06399	.950	-.2375	.1455
	T60 Fraksi 3	T60 PGA	-.14000	.06399	.224	-.3315	.0515
		T60 Fraksi 1	-.08000	.06399	.723	-.2715	.1115
		T60 Fraksi 2	.00000	.06399	1.000	-.1915	.1915
		T60 Parasetamol	-.04600	.06399	.950	-.2375	.1455
	T60 Parasetamol	T60 PGA	-.09400	.06399	.593	-.2855	.0975
		T60 Fraksi 1	-.03400	.06399	.983	-.2255	.1575
		T60 Fraksi 2	.04600	.06399	.950	-.1455	.2375
		T60 Fraksi 3	.04600	.06399	.950	-.1455	.2375

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Descriptives

Mean_Suhu										
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Min	Max	Between-Component Variance
						Lower Bound	Upper Bound			
	T90 PGA	5	38.0000	.15811	.07071	37.8037	38.1963	37.80	38.20	
	T90 Fraksi 1	5	37.9400	.13416	.06000	37.7734	38.1066	37.80	38.10	
	T90 Fraksi 2	5	37.8600	.21909	.09798	37.5880	38.1320	37.50	38.00	
	T90 Fraksi 3	5	37.8480	.06723	.03007	37.7645	37.9315	37.80	37.94	
	T90 Parasetamol	5	37.8220	.14653	.06553	37.6401	38.0039	37.61	38.00	
	Total	25	37.8940	.15505	.03101	37.8300	37.9580	37.50	38.20	
Model	Fixed Effects			.15296	.03059	37.8302	37.9578			
	Random Effects				.03302	37.8023	37.9857			.00077

Post Hoc Tests

Multiple Comparisons							
Dependent Variable:Mean_Suhu							
		(I) T_Fraksi	(J) T_Fraksi	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound Upper Bound
Tukey HSD	T90 PGA	T90 Fraksi 1		.06000	.09674	.970	-.2295 .3495
		T90 Fraksi 2		.14000	.09674	.606	-.1495 .4295
		T90 Fraksi 3		.15200	.09674	.531	-.1375 .4415
		T90 Parasetamol		.17800	.09674	.380	-.1115 .4675
	T90 Fraksi 1	T90 PGA		-.06000	.09674	.970	-.3495 .2295
		T90 Fraksi 2		.08000	.09674	.919	-.2095 .3695
		T90 Fraksi 3		.09200	.09674	.873	-.1975 .3815
		T90 Parasetamol		.11800	.09674	.740	-.1715 .4075
	T90 Fraksi 2	T90 PGA		-.14000	.09674	.606	-.4295 .1495
		T90 Fraksi 1		-.08000	.09674	.919	-.3695 .2095
		T90 Fraksi 3		.01200	.09674	1.000	-.2775 .3015
		T90 Parasetamol		.03800	.09674	.995	-.2515 .3275
	T90 Fraksi 3	T90 PGA		-.15200	.09674	.531	-.4415 .1375
		T90 Fraksi 1		-.09200	.09674	.873	-.3815 .1975
		T90 Fraksi 2		-.01200	.09674	1.000	-.3015 .2775
		T90 Parasetamol		.02600	.09674	.999	-.2635 .3155
	T90 Parasetamol	T90 PGA		-.17800	.09674	.380	-.4675 .1115
		T90 Fraksi 1		-.11800	.09674	.740	-.4075 .1715
		T90 Fraksi 2		-.03800	.09674	.995	-.3275 .2515
		T90 Fraksi 3		-.02600	.09674	.999	-.3155 .2635

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Descriptives

Mean_Suhu

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Min	Max	Between-Component Variance
					Lower Bound	Upper Bound			
T120 PGA	5	37.9600	.15166	.06782	37.7717	38.1483	37.80	38.10	
T120 Fraksi 1	5	37.9000	.10000	.04472	37.7758	38.0242	37.80	38.00	
T120 Fraksi 2	5	37.7300	.14832	.06633	37.5458	37.9142	37.50	37.90	
T120 Fraksi 3	5	37.6900	.05477	.02449	37.6220	37.7580	37.60	37.75	
T120 Parasetamol	5	37.6380	.15172	.06785	37.4496	37.8264	37.40	37.80	
Total	25	37.7836	.17219	.03444	37.7125	37.8547	37.40	38.10	
Model	Fixed Effects		.12729	.02546	37.7305	37.8367			
	Random Effects			.06225	37.6108	37.9564			.01613

Test of Homogeneity of Variances

Mean_Suhu

Levene Statistic	df1	df2	Sig.
1.426	4	20	.262

ANOVA

Mean_Suhu

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.387	4	.097	5.978	.002
Within Groups	.324	20	.016		
Total	.712	24			

Post Hoc Tests

Multiple Comparisons							
Dependent Variable:Mean_Suhu							
	(I) T_Fraksi	(J) T_Fraksi	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Tukey HSD	T120 PGA	T120 Fraksi 1	.06000	.08051	.943	-.1809	.3009
		T120 Fraksi 2	.23000	.08051	.066	-.0109	.4709
		T120 Fraksi 3	.27000*	.08051	.023	.0291	.5109
		T120 Parasetamol	.32200*	.08051	.006	.0811	.5629
		T120 Fraksi 1	-.06000	.08051	.943	-.3009	.1809
	T120 Fraksi 1	T120 PGA	.17000	.08051	.254	-.0709	.4109
		T120 Fraksi 2	.21000	.08051	.107	-.0309	.4509
		T120 Fraksi 3	.26200*	.08051	.029	.0211	.5029
		T120 Parasetamol	-.23000	.08051	.066	-.4709	.0109
		T120 Fraksi 1	-.17000	.08051	.254	-.4109	.0709
	T120 Fraksi 2	T120 PGA	.04000	.08051	.987	-.2009	.2809
		T120 Fraksi 3	.09200	.08051	.782	-.1489	.3329
		T120 Parasetamol	-.27000*	.08051	.023	-.5109	-.0291
		T120 Fraksi 1	-.21000	.08051	.107	-.4509	.0309
		T120 Fraksi 2	-.04000	.08051	.987	-.2809	.2009
	T120 Fraksi 3	T120 PGA	.05200	.08051	.965	-.1889	.2929
		T120 Parasetamol	-.32200*	.08051	.006	-.5629	-.0811
		T120 Fraksi 1	-.26200*	.08051	.029	-.5029	-.0211
		T120 Fraksi 2	-.09200	.08051	.782	-.3329	.1489
		T120 Fraksi 3	-.05200	.08051	.965	-.2929	.1889

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

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Descriptives

Mean_Suhu

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Min	Max	Between-Component Variance
					Lower Bound	Upper Bound			
T150 PGA	5	37.9000	.14142	.06325	37.7244	38.0756	37.70	38.00	
T150 Fraksi 1	5	37.8100	.05477	.02449	37.7420	37.8780	37.75	37.90	
T150 Fraksi 2	5	37.6100	.07416	.03317	37.5179	37.7021	37.50	37.70	
T150 Fraksi 3	5	37.5400	.07036	.03146	37.4526	37.6274	37.47	37.63	
T150 Parasetamol	5	37.4640	.05899	.02638	37.3908	37.5372	37.40	37.52	
Total	25	37.6648	.18532	.03706	37.5883	37.7413	37.40	38.00	
Model	Fixed Effects		.08594	.01719	37.6289	37.7007			
	Random Effects			.08225	37.4364	37.8932			.03235

Test of Homogeneity of Variances

Mean_Suhu

Levene Statistic	df1	df2	Sig.
4.310	4	20	.011

ANOVA

Mean_Suhu

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.677	4	.169	22.898	.000
Within Groups	.148	20	.007		
Total	.824	24			

Post Hoc Tests

Multiple Comparisons
Dependent Variable:Mean_Suhu

		(I) T_Fraksi	(J) T_Fraksi	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
								Lower Bound
								Upper Bound
Tukey HSD	T150 PGA	T150 Fraksi 1		.09000	.05435	.482	-.0726	.2526
		T150 Fraksi 2		.29000*	.05435	.000	.1274	.4526
		T150 Fraksi 3		.36000*	.05435	.000	.1974	.5226
		T150 Parasetamol		.43600*	.05435	.000	.2734	.5986
	T150 Fraksi 1	T150 PGA		-.09000	.05435	.482	-.2526	.0726
		T150 Fraksi 2		.20000*	.05435	.012	.0374	.3626
		T150 Fraksi 3		.27000*	.05435	.001	.1074	.4326
		T150 Parasetamol		.34600*	.05435	.000	.1834	.5086
	T150 Fraksi 2	T150 PGA		-.29000*	.05435	.000	-.4526	-.1274
		T150 Fraksi 1		-.20000*	.05435	.012	-.3626	-.0374
		T150 Fraksi 3		.07000	.05435	.701	-.0926	.2326
		T150 Parasetamol		.14600	.05435	.092	-.0166	.3086
	T150 Fraksi 3	T150 PGA		-.36000*	.05435	.000	-.5226	-.1974
		T150 Fraksi 1		-.27000*	.05435	.001	-.4326	-.1074
		T150 Fraksi 2		-.07000	.05435	.701	-.2326	.0926
		T150 Parasetamol		.07600	.05435	.636	-.0866	.2386
	T150 Parasetamol	T150 PGA		-.43600*	.05435	.000	-.5986	-.2734
		T150 Fraksi 1		-.34600*	.05435	.000	-.5086	-.1834
		T150 Fraksi 2		-.14600	.05435	.092	-.3086	.0166
		T150 Fraksi 3		-.07600	.05435	.636	-.2386	.0866

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

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Descriptives

Mean_Suhu

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Min	Max	Between-Component Variance
					Lower Bound	Upper Bound			
T180 PGA	5	37.9600	.15166	.06782	37.7717	38.1483	37.70	38.10	
T180 Fraksi 1	5	37.7200	.04472	.02000	37.6645	37.7755	37.70	37.80	
T180 Fraksi 2	5	37.4600	.08944	.04000	37.3489	37.5711	37.40	37.60	
T180 Fraksi 3	5	37.4300	.13115	.05865	37.2672	37.5928	37.30	37.60	
T180 Parasetamol	5	37.3340	.07127	.03187	37.2455	37.4225	37.24	37.41	
Total	25	37.5808	.25234	.05047	37.4766	37.6850	37.24	38.10	
Model	Fixed Effects		.10515	.02103	37.5369	37.6247			
	Random Effects			.11433	37.2634	37.8982			.06314

Test of Homogeneity of Variances

Mean_Suhu

Levene Statistic	df1	df2	Sig.
1.673	4	20	.196

ANOVA

Mean_Suhu

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1.307	4	.327	29.556	.000
Within Groups	.221	20	.011		
Total	1.528	24			

Post Hoc Tests

Multiple Comparisons							
Dependent Variable:Mean_Suhu							
	(I) T_Fraksi	(J) T_Fraksi	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Tukey HSD	T180 PGA	T180 Fraksi 1	.24000*	.06650	.013	.0410	.4390
		T180 Fraksi 2	.50000*	.06650	.000	.3010	.6990
		T180 Fraksi 3	.53000*	.06650	.000	.3310	.7290
		T180 Parasetamol	.62600*	.06650	.000	.4270	.8250
		T180 Fraksi 1	-.24000*	.06650	.013	-.4390	-.0410
	T180 Fraksi 1	T180 PGA	-.24000*	.06650	.007	-.0610	.4590
		T180 Fraksi 2	.26000*	.06650	.002	.0910	.4890
		T180 Fraksi 3	.29000*	.06650	.000	.1870	.5850
		T180 Parasetamol	.38600*	.06650	.000	.1870	.5850
		T180 Fraksi 1	-.50000*	.06650	.000	-.6990	-.3010
	T180 Fraksi 2	T180 PGA	-.26000*	.06650	.007	-.4590	-.0610
		T180 Fraksi 3	.03000	.06650	.991	-.1690	.2290
		T180 Parasetamol	.12600	.06650	.352	-.0730	.3250
		T180 Fraksi 1	-.53000*	.06650	.000	-.7290	-.3310
	T180 Fraksi 3	T180 PGA	-.29000*	.06650	.002	-.4890	-.0910
		T180 Fraksi 2	-.03000	.06650	.991	-.2290	.1690
		T180 Parasetamol	.09600	.06650	.608	-.1030	.2950
		T180 Fraksi 1	-.62600*	.06650	.000	-.8250	-.4270
	T180 Parasetamol	T180 Fraksi 1	-.38600*	.06650	.000	-.5850	-.1870
		T180 Fraksi 2	-.12600	.06650	.352	-.3250	.0730
		T180 Fraksi 3	-.09600	.06650	.608	-.2950	.1030
		T180 Fraksi 1	-.09600	.06650	.608	-.2950	.1030

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

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Descriptives

Mean_Suhu

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Min	Max	Between-Component Variance
						Lower Bound	Upper Bound			
T210 PGA		5	37.9800	.08367	.03742	37.8761	38.0839	37.90	38.10	
T210 Fraksi 1		5	37.6800	.04472	.02000	37.6245	37.7355	37.60	37.70	
T210 Fraksi 2		5	37.3000	.12247	.05477	37.1479	37.4521	37.20	37.50	
T210 Fraksi 3		5	37.3600	.08944	.04000	37.2489	37.4711	37.30	37.50	
T210 Parasetamol		5	37.2400	.08944	.04000	37.1289	37.3511	37.10	37.30	
Total		25	37.5120	.29625	.05925	37.3897	37.6343	37.10	38.10	
Model	Fixed Effects			.08944	.01789	37.4747	37.5493			
	Random Effects				.13951	37.1246	37.8994			.09572

Test of Homogeneity of Variances

Mean_Suhu

Levene Statistic	df1	df2	Sig.
.696	4	20	.603

ANOVA

Mean_Suhu

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1.946	4	.487	60.825	.000
Within Groups	.160	20	.008		
Total	2.106	24			

Post Hoc Tests

Multiple Comparisons

Dependent Variable:Mean_Suhu

(I) T_Fraksi		(J) T_Fraksi	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Tukey HSD	T210 PGA	T210 Fraksi 1	.30000*	.05657	.000	.1307	.4693
		T210 Fraksi 2	.68000*	.05657	.000	.5107	.8493
		T210 Fraksi 3	.62000*	.05657	.000	.4507	.7893
		T210 Parasetamol	.74000*	.05657	.000	.5707	.9093
	T210 Fraksi 1	T210 PGA	-.30000*	.05657	.000	-.4693	-.1307
		T210 Fraksi 2	.38000*	.05657	.000	.2107	.5493
		T210 Fraksi 3	.32000*	.05657	.000	.1507	.4893
		T210 Parasetamol	.44000*	.05657	.000	.2707	.6093
	T210 Fraksi 2	T210 PGA	-.68000*	.05657	.000	-.8493	-.5107
		T210 Fraksi 1	-.38000*	.05657	.000	-.5493	-.2107
		T210 Fraksi 3	-.06000	.05657	.824	-.2293	.1093
		T210 Parasetamol	.06000	.05657	.824	-.1093	.2293
	T210 Fraksi 3	T210 PGA	-.62000*	.05657	.000	-.7893	-.4507
		T210 Fraksi 1	-.32000*	.05657	.000	-.4893	-.1507
		T210 Fraksi 2	.06000	.05657	.824	-.1093	.2293
		T210 Parasetamol	.12000	.05657	.250	-.0493	.2893
	T210 Parasetamol	T210 PGA	-.74000*	.05657	.000	-.9093	-.5707
		T210 Fraksi 1	-.44000*	.05657	.000	-.6093	-.2707
		T210 Fraksi 2	-.06000	.05657	.824	-.2293	.1093
		T210 Fraksi 3	-.12000	.05657	.250	-.2893	.0493

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

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Descriptives

Mean_Suhu

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Min	Max	Between-Component Variance
					Lower Bound	Upper Bound			
T240 PGA	5	37.9400	.11402	.05099	37.7984	38.0816	37.80	38.10	
T240 Fraksi 1	5	37.6000	.07071	.03162	37.5122	37.6878	37.50	37.70	
T240 Fraksi 2	5	37.2560	.11261	.05036	37.1162	37.3958	37.10	37.40	
T240 Fraksi 3	5	37.1800	.04472	.02000	37.1245	37.2355	37.10	37.20	
T240 Parasetamol	5	37.2000	.07071	.03162	37.1122	37.2878	37.10	37.30	
Total	25	37.4352	.31114	.06223	37.3068	37.5636	37.10	38.10	
Model	Fixed Effects		.08681	.01736	37.3990	37.4714			
	Random Effects			.14740	37.0259	37.8445			.10713

Test of Homogeneity of Variances

Mean_Suhu

Levene Statistic	df1	df2	Sig.
1.337	4	20	.291

ANOVA

Mean_Suhu

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2.173	4	.543	72.077	.000
Within Groups	.151	20	.008		
Total	2.323	24			

Post Hoc Tests

Multiple Comparisons

Dependent Variable:Mean_Suhu

		(I) T_Fraksi	(J) T_Fraksi	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
							Lower Bound	Upper Bound
Tukey HSD	T240 PGA	T240 Fraksi 1		.34000*	.05490	.000	.1757	.5043
		T240 Fraksi 2		.68400*	.05490	.000	.5197	.8483
		T240 Fraksi 3		.76000*	.05490	.000	.5957	.9243
		T240 Parasetamol		.74000*	.05490	.000	.5757	.9043
	T240 Fraksi 1	T240 PGA		-.34000*	.05490	.000	-.5043	-.1757
		T240 Fraksi 2		.34400*	.05490	.000	.1797	.5083
		T240 Fraksi 3		.42000*	.05490	.000	.2557	.5843
		T240 Parasetamol		.40000*	.05490	.000	.2357	.5643
	T240 Fraksi 2	T240 PGA		-.68400*	.05490	.000	-.8483	-.5197
		T240 Fraksi 1		-.34400*	.05490	.000	-.5083	-.1797
		T240 Fraksi 3		.07600	.05490	.644	-.0883	.2403
		T240 Parasetamol		.05600	.05490	.843	-.1083	.2203
	T240 Fraksi 3	T240 PGA		-.76000*	.05490	.000	-.9243	-.5957
		T240 Fraksi 1		-.42000*	.05490	.000	-.5843	-.2557
		T240 Fraksi 2		-.07600	.05490	.644	-.2403	.0883
		T240 Parasetamol		-.02000	.05490	.996	-.1843	.1443
	T240 Parasetamol	T240 PGA		-.74000*	.05490	.000	-.9043	-.5757
		T240 Fraksi 1		-.40000*	.05490	.000	-.5643	-.2357
		T240 Fraksi 2		-.05600	.05490	.843	-.2203	.1083
		T240 Fraksi 3		.02000	.05490	.996	-.1443	.1843

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

LAMPIRAN G

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 besar																										
		1	2	3	4	5	6	7	8	9	10	11	12	14	16	20	24	30	40	50	75	100	200	500	∞			
Derajat kebebasan untuk rataan kuadrat yang lebih kecil.	16	4.49 8.53	3.63 6.73	3.24 5.29	3.01 4.77	2.85 4.44	2.74 4.20	2.66 4.03	2.59 3.89	2.54 3.78	2.49 3.69	2.45 3.61	2.42 3.55	2.37 3.45	2.33 3.37	2.28 3.25	2.24 3.18	2.20 3.10	2.16 3.01	2.13 2.96	2.09 2.89	2.07 2.86	2.04 2.80	2.02 2.77	2.01 2.75			
	17	4.45 8.40	3.59 6.61	3.20 5.18	2.96 4.67	2.81 4.34	2.70 4.10	2.62 3.93	2.55 3.79	2.50 3.68	2.45 3.59	2.41 3.52	2.38 3.45	2.33 3.35	2.29 3.27	2.23 3.16	2.19 3.08	2.15 3.00	2.11 2.92	2.08 2.84	2.04 2.79	2.02 2.76	1.99 2.70	1.97 2.67	1.96 2.65			
	18	4.41 8.36	3.55 6.56	3.16 5.09	2.93 4.58	2.77 4.25	2.66 4.01	2.58 3.85	2.51 3.71	2.46 3.60	2.41 3.51	2.37 3.44	2.34 3.37	2.29 3.27	2.25 3.19	2.19 3.07	2.15 3.00	2.11 2.91	2.07 2.83	2.04 2.78	2.00 2.71	1.98 2.68	1.95 2.62	1.93 2.59	1.92 2.57			
	19	4.38 8.18	3.52 5.93	3.13 5.01	2.90 4.50	2.74 4.17	2.63 3.94	2.55 3.77	2.48 3.63	2.43 3.52	2.38 3.43	2.34 3.36	2.31 3.30	2.26 3.19	2.21 3.12	2.15 3.08	2.11 2.92	2.07 2.84	2.02 2.76	2.00 2.63	1.96 2.60	1.94 2.54	1.91 2.47	1.90 2.44	1.88 2.42			
	20	4.35 8.10	3.49 5.85	3.10 4.94	2.87 4.43	2.71 4.10	2.60 3.87	2.52 3.71	2.45 3.56	2.40 3.45	2.35 3.37	2.31 3.30	2.28 3.23	2.23 3.13	2.18 3.05	2.12 2.94	2.08 2.86	2.04 2.77	1.99 2.69	1.96 2.63	1.92 2.56	1.90 2.53	1.87 2.47	1.85 2.44	1.84 2.42			
	21	4.32 8.02	3.47 5.78	3.07 4.87	2.84 4.37	2.68 4.04	2.57 3.81	2.49 3.66	2.42 3.51	2.37 3.40	2.32 3.31	2.28 3.24	2.25 3.17	2.20 3.07	2.15 2.99	2.09 2.88	2.05 2.80	2.00 2.72	1.96 2.63	1.93 2.58	1.90 2.51	1.87 2.42	1.84 2.37	1.82 2.32	1.81 2.30			
	22	4.30 7.94	3.44 5.72	3.05 4.82	2.82 4.31	2.66 3.99	2.55 3.76	2.47 3.59	2.40 3.45	2.35 3.35	2.30 3.26	2.26 3.18	2.23 3.12	2.18 3.02	2.13 2.94	2.07 2.83	2.03 2.75	1.98 2.67	1.93 2.58	1.91 2.53	1.87 2.46	1.84 2.42	1.81 2.37	1.80 2.32	1.78 2.30			
	23	4.28 7.88	3.42 5.64	3.03 4.76	2.80 4.26	2.64 3.94	2.53 3.71	2.45 3.54	2.38 3.41	2.32 3.30	2.28 3.21	2.24 3.14	2.20 3.07	2.14 2.97	2.10 2.89	2.04 2.78	2.00 2.70	1.96 2.62	1.91 2.53	1.88 2.48	1.84 2.41	1.82 2.37	1.79 2.32	1.77 2.28	1.76 2.26			
	24	4.26 7.82	3.40 5.61	3.01 4.72	2.78 4.22	2.62 3.90	2.51 3.67	2.43 3.50	2.36 3.36	2.30 3.25	2.26 3.17	2.22 3.09	2.18 3.03	2.13 2.93	2.09 2.85	2.02 2.74	1.98 2.66	1.94 2.58	1.89 2.49	1.86 2.44	1.82 2.36	1.80 2.33	1.77 2.27	1.74 2.23	1.72 2.21			
	25	4.24 7.77	3.38 5.57	2.99 4.68	2.76 4.18	2.60 3.86	2.49 3.63	2.41 3.46	2.34 3.32	2.28 3.21	2.24 3.13	2.20 3.05	2.16 2.99	2.11 2.89	2.06 2.81	2.00 2.70	1.96 2.62	1.92 2.54	1.87 2.43	1.84 2.40	1.80 2.32	1.77 2.25	1.74 2.19	1.72 2.15	1.71 2.13			
	26	4.22 7.72	3.37 5.53	2.89 4.64	2.74 4.14	2.59 3.82	2.47 3.59	2.40 3.42	2.33 3.29	2.27 3.17	2.22 3.09	2.18 3.02	2.15 2.96	2.10 2.86	2.05 2.77	1.99 2.66	1.95 2.58	1.90 2.50	1.85 2.41	1.82 2.36	1.78 2.28	1.76 2.25	1.72 2.19	1.70 2.15	1.69 2.13			
	27	4.21 7.68	3.35 5.49	2.96 4.60	2.73 4.11	2.57 3.79	2.46 3.56	2.37 3.39	2.30 3.26	2.25 3.14	2.20 3.06	2.16 2.98	2.13 2.93	2.08 2.83	2.03 2.74	1.97 2.63	1.93 2.55	1.88 2.47	1.84 2.38	1.80 2.33	1.76 2.25	1.74 2.21	1.71 2.16	1.68 2.12	1.67 2.10			
	28	4.20 7.64	3.34 5.45	2.95 4.57	2.71 4.07	2.56 3.76	2.44 3.53	2.36 3.36	2.29 3.23	2.24 3.11	2.19 3.03	2.15 2.95	2.12 2.90	2.06 2.80	2.02 2.71	1.96 2.60	1.91 2.52	1.87 2.44	1.81 2.35	1.78 2.30	1.75 2.22	1.72 2.18	1.69 2.13	1.67 2.09	1.65 2.06			
	29	4.18 7.60	3.33 5.52	2.93 4.54	2.70 4.04	2.54 3.73	2.43 3.50	2.35 3.32	2.28 3.20	2.22 3.08	2.18 3.00	2.14 2.92	2.10 2.87	2.05 2.77	2.00 2.68	1.94 2.57	1.89 2.49	1.85 2.41	1.80 2.32	1.77 2.19	1.73 2.15	1.71 2.10	1.68 2.07	1.65 2.03	1.64 2.01			
	30	4.17 7.56	3.32 5.39	2.92 4.51	2.69 4.02	2.53 3.70	2.42 3.47	2.34 3.30	2.27 3.17	2.21 3.06	2.16 2.98	2.12 2.90	2.09 2.84	2.04 2.74	1.99 2.64	1.93 2.55	1.89 2.47	1.84 2.38	1.79 2.29	1.76 2.24	1.72 2.16	1.69 2.13	1.66 2.07	1.64 2.03	1.62 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 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	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	2.06	2.02	1.98	1.96										
34	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	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	1.99	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	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										
		7.36	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	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	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	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	2.00	1.92	1.88	1.82	1.78	1.75										
46	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	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	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	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	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	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	70	3.98	3.13	2.74	2.50	2.35	2.22	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	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: Scheffler (1987).

LAMPIRAN H

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)