

## LAMPIRAN

### Lampiran 1. Output Analisis Data

1. Jam ke-12

#### Tests of Normality

perlakuan	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	Df	Sig.	Statistic	df	Sig.
penutupan kontrol	.226	3	.	.983	3	.752
doxo 1/4	.237	3	.	.976	3	.704
doxo 1/2	.325	3	.	.876	3	.313
doxo 3/4	.362	3	.	.804	3	.125
ekstrak 1/4	.223	3	.	.985	3	.767
ekstrak 1/2	.310	3	.	.899	3	.381
ekstrak 3/4	.220	3	.	.987	3	.780

a. Lilliefors Significance Correction

#### ANOVA

Penutupan	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	3625.346	6	604.224	75.640	.000
Within Groups	111.834	14	7.988		
Total	3737.180	20			

### Multiple Comparisons

Dependent  
Variable: penutupan

	(I) perlakuan	(J) perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	Kontrol	doxo 1/4	40.27369 <sup>*</sup>	2.30769	.000	35.3242	45.2232
		doxo 1/2	32.75667 <sup>*</sup>	2.30769	.000	27.8072	37.7062
		doxo 3/4	31.49000 <sup>*</sup>	2.30769	.000	26.5405	36.4395
		ekstrak 1/4	42.46233 <sup>*</sup>	2.30769	.000	37.5128	47.4118
		ekstrak 1/2	29.69667 <sup>*</sup>	2.30769	.000	24.7472	34.6462
		ekstrak 3/4	22.65667 <sup>*</sup>	2.30769	.000	17.7072	27.6062
	doxo ¼	kontrol	-40.27369 <sup>*</sup>	2.30769	.000	-45.2232	-35.3242
		doxo 1/2	-7.51702 <sup>*</sup>	2.30769	.006	-12.4665	-2.5675
		doxo 3/4	-8.78369 <sup>*</sup>	2.30769	.002	-13.7332	-3.8342
		ekstrak 1/4	2.18864	2.30769	.359	-2.7609	7.1382
		ekstrak 1/2	-10.57702 <sup>*</sup>	2.30769	.000	-15.5265	-5.6275
		ekstrak 3/4	-17.61702 <sup>*</sup>	2.30769	.000	-22.5665	-12.6675
	doxo ½	kontrol	-32.75667 <sup>*</sup>	2.30769	.000	-37.7062	-27.8072
		doxo 1/4	7.51702 <sup>*</sup>	2.30769	.006	2.5675	12.4665
		doxo 3/4	-1.26667	2.30769	.592	-6.2162	3.6828
		ekstrak 1/4	9.70567 <sup>*</sup>	2.30769	.001	4.7562	14.6552
		ekstrak 1/2	-3.06000	2.30769	.206	-8.0095	1.8895
		ekstrak 3/4	-10.10000 <sup>*</sup>	2.30769	.001	-15.0495	-5.1505
	doxo ¾	kontrol	-31.49000 <sup>*</sup>	2.30769	.000	-36.4395	-26.5405

		doxo 1/4	8.78369*	2.30769	.002	3.8342	13.7332
		doxo 1/2	1.26667	2.30769	.592	-3.6828	6.2162
		ekstrak 1/4	10.97233*	2.30769	.000	6.0228	15.9218
		ekstrak 1/2	-1.79333	2.30769	.450	-6.7428	3.1562
		ekstrak 3/4	-8.83333*	2.30769	.002	-13.7828	-3.8838
	ekstrak ¼	kontrol	-42.46233*	2.30769	.000	-47.4118	-37.5128
		doxo 1/4	-2.18864	2.30769	.359	-7.1382	2.7609
		doxo 1/2	-9.70567*	2.30769	.001	-14.6552	-4.7562
		doxo 3/4	-10.97233*	2.30769	.000	-15.9218	-6.0228
		ekstrak 1/2	-12.76567*	2.30769	.000	-17.7152	-7.8162
		ekstrak 3/4	-19.80567*	2.30769	.000	-24.7552	-14.8562
	ekstrak ½	kontrol	-29.69667*	2.30769	.000	-34.6462	-24.7472
		doxo 1/4	10.57702*	2.30769	.000	5.6275	15.5265
		doxo 1/2	3.06000	2.30769	.206	-1.8895	8.0095
		doxo 3/4	1.79333	2.30769	.450	-3.1562	6.7428
		ekstrak 1/4	12.76567*	2.30769	.000	7.8162	17.7152
		ekstrak 3/4	-7.04000*	2.30769	.009	-11.9895	-2.0905
	ekstrak ¾	kontrol	-22.65667*	2.30769	.000	-27.6062	-17.7072
		doxo 1/4	17.61702*	2.30769	.000	12.6675	22.5665
		doxo 1/2	10.10000*	2.30769	.001	5.1505	15.0495
		doxo 3/4	8.83333*	2.30769	.002	3.8838	13.7828
		ekstrak 1/4	19.80567*	2.30769	.000	14.8562	24.7552
		ekstrak 1/2	7.04000*	2.30769	.009	2.0905	11.9895

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

### Penutupan

perlakuan	N	Subset for alpha = 0.05			
		1	2	3	4
Duncan <sup>a</sup> ekstrak 1/4	3	.8110			
doxo 1/4	3	2.9996			
doxo 1/2	3		10.5167		
doxo 3/4	3		11.7833		
ekstrak 1/2	3		13.5767		
ekstrak 3/4	3			20.6167	
kontrol	3				43.2733
Sig.		.359	.228	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

2. Jam ke-24

**Tests of Normality**

	perlakuan	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	Df	Sig.	Statistic	Df	Sig.
penutupan	kontrol	.370	3	.	.786	3	.082
	doxo 1/4	.356	3	.	.816	3	.153
	doxo 1/2	.339	3	.	.851	3	.244
	doxo 3/4	.335	3	.	.857	3	.260
	ekstrak ¼	.305	3	.	.906	3	.406
	ekstrak ½	.263	3	.	.956	3	.594
	ekstrak ¾	.270	3	.	.948	3	.561

a. Lilliefors Significance Correction

**ANOVA**

Penutupan					
	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	11572.494	6	1928.749	167.409	.000
Within Groups	161.296	14	11.521		
Total	11733.791	20			

### Multiple Comparisons

	(I) perlakuan	(J) perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	Kontrol	doxo 1/4	72.17033 <sup>*</sup>	2.77142	.000	66.2262	78.1144
		doxo 1/2	59.62700 <sup>*</sup>	2.77142	.000	53.6829	65.5711
		doxo 3/4	49.83567 <sup>*</sup>	2.77142	.000	43.8916	55.7798
		ekstrak 1/4	73.90033 <sup>*</sup>	2.77142	.000	67.9562	79.8444
		ekstrak 1/2	61.71750 <sup>*</sup>	2.77142	.000	55.7734	67.6616
		ekstrak 3/4	41.32533 <sup>*</sup>	2.77142	.000	35.3812	47.2694
	doxo ¼	kontrol	-72.17033 <sup>*</sup>	2.77142	.000	-78.1144	-66.2262
		doxo 1/2	-12.54333 <sup>*</sup>	2.77142	.000	-18.4874	-6.5992
		doxo 3/4	-22.33467 <sup>*</sup>	2.77142	.000	-28.2788	-16.3906
		ekstrak 1/4	1.73000	2.77142	.543	-4.2141	7.6741
		ekstrak 1/2	-10.45283 <sup>*</sup>	2.77142	.002	-16.3969	-4.5087
		ekstrak 3/4	-30.84500 <sup>*</sup>	2.77142	.000	-36.7891	-24.9009
	doxo ½	kontrol	-59.62700 <sup>*</sup>	2.77142	.000	-65.5711	-53.6829
		doxo 1/4	12.54333 <sup>*</sup>	2.77142	.000	6.5992	18.4874
		doxo 3/4	-9.79133 <sup>*</sup>	2.77142	.003	-15.7354	-3.8472
		ekstrak 1/4	14.27333 <sup>*</sup>	2.77142	.000	8.3292	20.2174
		ekstrak 1/2	2.09050	2.77142	.463	-3.8536	8.0346
		ekstrak 3/4	-18.30167 <sup>*</sup>	2.77142	.000	-24.2458	-12.3576
	doxo ¾	kontrol	-49.83567 <sup>*</sup>	2.77142	.000	-55.7798	-43.8916

		doxo 1/4	22.33467*	2.77142	.000	16.3906	28.2788
		doxo 1/2	9.79133*	2.77142	.003	3.8472	15.7354
		ekstrak 1/4	24.06467*	2.77142	.000	18.1206	30.0088
		ekstrak 1/2	11.88183*	2.77142	.001	5.9377	17.8259
		ekstrak 3/4	-8.51033*	2.77142	.008	-14.4544	-2.5662
	ekstrak ¼	kontrol	-73.90033*	2.77142	.000	-79.8444	-67.9562
		doxo 1/4	-1.73000	2.77142	.543	-7.6741	4.2141
		doxo 1/2	-14.27333*	2.77142	.000	-20.2174	-8.3292
		doxo 3/4	-24.06467*	2.77142	.000	-30.0088	-18.1206
		ekstrak 1/2	-12.18283*	2.77142	.001	-18.1269	-6.2387
		ekstrak 3/4	-32.57500*	2.77142	.000	-38.5191	-26.6309
	ekstrak ½	kontrol	-61.71750*	2.77142	.000	-67.6616	-55.7734
		doxo 1/4	10.45283*	2.77142	.002	4.5087	16.3969
		doxo 1/2	-2.09050	2.77142	.463	-8.0346	3.8536
		doxo 3/4	-11.88183*	2.77142	.001	-17.8259	-5.9377
		ekstrak 1/4	12.18283*	2.77142	.001	6.2387	18.1269
		ekstrak 3/4	-20.39217*	2.77142	.000	-26.3363	-14.4481
	ekstrak ¾	kontrol	-41.32533*	2.77142	.000	-47.2694	-35.3812
		doxo 1/4	30.84500*	2.77142	.000	24.9009	36.7891
		doxo 1/2	18.30167*	2.77142	.000	12.3576	24.2458
		doxo 3/4	8.51033*	2.77142	.008	2.5662	14.4544
		ekstrak 1/4	32.57500*	2.77142	.000	26.6309	38.5191
		ekstrak 1/2	20.39217*	2.77142	.000	14.4481	26.3363

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

**Penutupan**

perlakuan	N	Subset for alpha = 0.05				
		1	2	3	4	5
Duncan <sup>a</sup> ekstrak 1/4	3	4.4200				
doxo 1/4	3	6.1500				
ekstrak 1/2	3		16.6028			
doxo 1/2	3		18.6933			
doxo 3/4	3			28.4847		
ekstrak 3/4	3				36.9950	
kontrol	3					78.320
						3
Sig.		.543	.463	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.



## Lampiran 2. Etik Penelitian

 Fakultas Kedokteran dan Ilmu Kesehatan  
Universitas Muhammadiyah Yogyakarta

Nomor : 645/EP-FKIK-UMY/XII/2017

**KETERANGAN LOLOS Uji ETIK**  
**ETHICAL APPROVAL**

Komite Etik Penelitian Fakultas Kedokteran dan Ilmu Kesehatan Universitas Muhammadiyah Yogyakarta dalam upaya melindungi hak asasi dan kesejahteraan responden/subyek penelitian, telah mengkaji dengan teliti protokol berjudul :

*The Ethics Committee of the Faculty of Medicine and Health Sciences, University of Muhammadiyah Yogyakarta, with regards of the protection of human rights and welfare in research, has carefully reviewed the research protocol entitled :*

**"Pengaruh Ekstrak Etanol Daun Sirsak (*Annona muricata* L.)  
Dalam Menghambat Migrasi Sel Kanker Payudara T47D Secara In Vitro"**

Peneliti Utama : Pembayun Sekar Kinanti  
*Principal Investigator*

Nama Institusi : Program Studi Kedokteran FKIK UMY  
*Name of the Institution*

Negara : Indonesia  
*Country*

Dan telah menyetujui protokol tersebut diatas.  
*And approved the above-mentioned protocol.*

Yogyakarta, 12 Desember 2017

Sekretaris  
  
Dr. dr. Tifiek Hidayati, M.Kes.

**\*Peneliti Bertanggung Jawab :**

1. Menjaga kerahasiaan identitas subyek penelitian
2. Membentahukan status penelitian apabila :
  - a. Setelah masa berlakunya keterangan lolos uji etik, penelitian masih belum selesai, dalam hal ini ethical clearance harus diperpanjang
  - b. Penelitian berhenti di tengah jalan
3. Melaporkan kejadian serius yang tidak diinginkan (*serious adverse events*)
4. Peneliti tidak boleh melakukan tindakan apapun pada responden/subyek sebelum penelitian lolos uji etik

*Muda mendunia*

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