

**BIODATA MAHASISWA BIMBINGAN SKRIPSI FK UKI TAHUN
AKADEMIK 2018-2019**

NAMA : Ronald Aditya

NIM : 1561050165

TEMPAT/TANGGAL LAHIR : Jakarta, 14 Febuari 1997

RIWAYAT PENDIDIKAN :

1. SD : Cakra Buana
2. SMP : Cakra Buana
3. SMA : Madania
4. UNIVERSITAS : Universitas Kristen Indonesia

JUDUL SKRIPSI :

Efek Pemberian Ekstrak Daun Sirsak Terhadap Kadar ICAM-1 Serum pada Hewan Model Kanker Kolorektal

LAMPIRAN

Lampiran 1



UNIVERSITAS INDONESIA
FAKULTAS KEDOKTERAN

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Nomor :0256/UN2.F1/ETIK/2018

KETERANGAN LOLOS KAJI ETIK

ETHICAL APPROVAL

Komite Etik Penelitian Kesehatan Fakultas Kedokteran Universitas Indonesia dalam upaya melindungi hak asasi dan kesejahteraan subyek penelitian kedokteran, telah mengkaji dengan teliti protokol berjudul:

The Ethics Committee of the Faculty of Medicine, University of Indonesia, with regards of the Protection of human rights and welfare in medical research, has carefully reviewed the research protocol entitled:

"Studi Pengembangan Daun Sirsak (*Annona muricata*) sebagai Fitofarmaka Antikanker Kolon melalui Uji Preklinik pada Hewan Model dan Isolasi Senyawa Aktif"
No. protokol: 18-03-0322

Peneliti Utama : Dr. Drs. Kusmardi, M.S.
Principal Investigator

Nama Institusi : Patologi Anatomi FKUI-RSCM
Name of the Institution

dan telah menyetujui protokol tersebut di atas.
and approves the above mentioned protocol.



Prof. Dr. dr. Rianto Setiabudy, SpFK


* *Ethical approval* berlaku satu tahun dari tanggal persetujuan.

** Peneliti berkewajiban

1. Menjaga kerahasiaan identitas subyek penelitian.
2. Memberitahukan status penelitian apabila
 - a. Setelah masa berlakunya keterangan lolos kaji etik, penelitian masih belum selesai, dalam hal ini *ethical approval* 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 subyek sebelum protokol penelitian mendapat lolos kaji etik dan sebelum memperoleh *informed consent* dari subyek penelitian.
5. Menyampaikan laporan akhir, bila penelitian sudah selesai.
6. Cantumkan nomor protokol ID pada setiap komunikasi dengan KEPK FKUI-RSCM.

Semua prosedur persetujuan dilakukan sesuai dengan standar ICH-GCP.
All procedure of Ethical Approval are performed in accordance with ICH-GCP standard procedure.

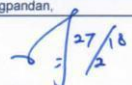

Lampiran 2



Certificate of Analysis
Number : 039/QC/PROD/TR/18

Product Name : Sirsak
 Botanical Name : *Annona muricata* L.
 Part of Used : Leaves
 Product Number : 2046N210N
 Production Number : JP 419.01.00
 Batch Number : 01181101L / Lot A
 Extract Form : Dried Powder
 Extraction Solvent : Water
 Purification Solvent : -
 Composition : - *Annona muricata* L. extract
 - Maltodextrin
 - Silicon Dioxide
 - Potassium Sorbate

Country of Origin : Indonesia
 Manufacturing Date : January 11, 2018
 Released Date : February 27, 2018
 Expired Date : January 11, 2020
 Packaging : Plastic bag
 Storage conditions : Keep in dry place, temperature below 25°C ± 2°C, in a well-closed container

Parameter	Specification	Result	Test Method
Physical Description	Light brown to dark brown powder with characteristic odor and bitter taste	Dark brown powder with characteristic odor and bitter taste	Organoleptic
Loss on Drying	NMT 8.0 %	5.42%	Moisture Analyzer
Total Ash	Informative	5.50%	Furnace
pH (5% in water, 25°C)	Informative	6.10	pH Meter
Solubility in water	Informative	93.14%	Internal
Identification	Positive	Positive	TLC
Heavy metal			
- Lead	NMT 5 ppm	0.22 ppm	AAS
- Arsenic	NMT 5 ppm	0.02 ppm	AAS
- Cadmium	NMT 0.3 ppm	0.08 ppm	AAS
Microbial Limits			
- Total Plate Count	NMT 10 ⁴ CFU/g	3.0x10 ¹ CFU/g	USP
- Yeast and Mold	NMT 10 ² CFU/g	< 10 ¹ CFU/g	USP
- <i>Escherichia coli</i>	Negative/10 g	Negative	USP
- <i>Salmonella</i>	Negative/10 g	Negative	USP
- <i>Pseudomonas aeruginosa</i>	Negative/10 g	Negative	USP
- <i>Staphylococcus aureus</i>	Negative/10 g	Negative	USP
Remarks: Complies with the specification			
Place & Date	Karangpandan,		
Checked by		Approved by	
Name	Maria Ulfah	Name	Kartini
Designation	QC Manager	Designation	QA Manager

COLOUR AND RESULT MAY VARY FROM BATCH TO BATCH

PT. TRI RAHARDJA

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Lampiran 3

Uji normalitas BB mencit

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Minggu1	.252	12	.034	.844	12	.031
Minggu2	.169	12	.200*	.887	12	.107
Minggu3	.259	12	.026	.848	12	.035
Minggu4	.262	12	.022	.874	12	.074
Minggu5	.111	12	.200*	.954	12	.696
Minggu6	.184	12	.200*	.944	12	.545
Minggu7	.115	12	.200*	.951	12	.650
Minggu8	.183	12	.200*	.919	12	.279

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Lampiran 4

Uji variasi homogenitas BB mencit

Test of Homogeneity of Variances				
	Levene Statistic	df1	df2	Sig.
Minggu1	.139	1	10	.717
Minggu2	.657	1	11	.435
Minggu3	6.131	1	11	.031
Minggu4	2.173	1	11	.168
Minggu5	.016	1	11	.900
Minggu6	.877	1	11	.369
Minggu7	.023	1	11	.883
Minggu8	.060	1	11	.811

Lampiran 5

Repeated measure
Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	101855.510	1	101855.510	1498.748	.000
Kelompok	110.510	1	110.510	1.626	.231
Error	679.604	10	67.960		

Lampiran 6

Uji T-test

Group Statistics					
	Kelompok	N	Mean	Std. Deviation	Std. Error Mean
Minggu1	1	6	23.33	1.366	.558
	5	6	23.17	1.169	.477
Minggu2	1	6	30.17	2.563	1.046
	5	7	27.57	3.457	1.307
Minggu3	1	6	33.67	1.366	.558
	5	7	31.00	3.958	1.496
Minggu4	1	6	33.83	3.061	1.249
	5	7	31.86	4.706	1.779
Minggu5	1	6	36.00	3.521	1.438
	5	7	32.29	3.302	1.248
Minggu6	1	6	36.67	3.983	1.626
	5	7	34.29	2.752	1.040
Minggu7	1	6	36.67	3.983	1.626
	5	7	32.71	3.729	1.409
Minggu8	1	6	38.83	3.710	1.515
	5	7	36.00	2.887	1.091

Lampiran 7

Tests of Normality							
		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
Kelompok		Statistic	df	Sig.	Statistic	df	Sig.
Konsentrasi ICAM	Kontrol	.335	5	.068	.792	5	.070
	ESFAM	.189	6	.200*	.913	6	.458

*. This is a lower bound of the true significance.

Lampiran 8

One way**Test of Homogeneity of Variances**

Konsentrasi ICAM

Levene Statistic	df1	df2	Sig.
.413	1	9	.537

Lampiran 9

T-test

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Konsentrasi ICAM	Equal variances assumed	.413	.537	.142	9	.890	.115695	.813802	-1.725253	1.956643
	Equal variances not assumed			.143	8.808	.890	.115695	.809265	-1.721098	1.952489

Lampiran 10

Pengaruh kontrol dan ESFAM terhadap konsentrasi ICAM

Group Statistics

	Kelompok	N	Mean	Std. Deviation	Std. Error Mean
Konsentrasi ICAM	Kontrol	5	2.35785	1.302208	.582365
	ESFAM	6	2.24215	1.376432	.561926

Lampiran 11

