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Lampiran 1 *Ethical Clearance*

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS HASANUDDIN FAKULTAS KEDOKTERAN
KOMITE ETIK PENELITIAN UNIVERSITAS HASANUDDIN
RSPTN UNIVERSITAS HASANUDDIN
RSUP Dr. WAHIDIN SUDIROHUSODO MAKASSAR
Sekretariat : Lantai 2 Gedung Laboratorium Terpadu
JL.PERINTIS KEMERDEKAAN KAMPUS TAMALANREA KM.10 MAKASSAR 90245.
Contact Person: dr. Agussalim Bukhari.,MMed.PhD, SpGK TELP. 081241850858, 0411 5780103, Fax : 0411-581431

REKOMENDASI PERSETUJUAN ETIK

Nomor : 66/UN4.6.4.5.31/ PP36/ 2023

Tanggal: 26 Januari 2023

Dengan ini Menyatakan bahwa Protokol dan Dokumen yang Berhubungan Dengan Protokol berikut ini telah mendapatkan Persetujuan Etik :

No Protokol	UH22120804	No Sponsor Protokol	
Peneliti Utama	**Rahma Winahyu Jannata, S.Keb., Bd.**	Sponsor	
Judul Peneliti	Pengaruh Pemberian Ekstrak Daun Sirih (Pipper betle L.) Terhadap Kadar IL-6 Pada Mammae Tikus Nifas yang Diinduksi Staphylococcus aureus		
No Versi Protokol	**1**	Tanggal Versi	**29 Desember 2022**
No Versi PSP		Tanggal Versi	
Tempat Penelitian	Fakultas Farmasi Universitas Hasanuddin Makassar		
Jenis Review	☐ Exempted ☒ Expedited ☐ Fullboard Tanggal	Masa Berlaku **26 Januari 2023** sampai **26 Januari 2024**	Frekuensi review lanjutan
Ketua KEP Universitas Hasanuddin	Nama **Prof.Dr.dr. Suryani As'ad, M.Sc.,Sp.GK (K)**	Tanda tangan	
Sekretaris KEP Universitas Hasanuddin	Nama **dr. Agussalim Bukhari, M.Med.,Ph.D.,Sp.GK (K)**	Tanda tangan	

Kewajiban Peneliti Utama:

- Menyerahkan Amandemen Protokol untuk persetujuan sebelum di implementasikan
- Menyerahkan Laporan SAE ke Komisi Etik dalam 24 Jam dan dilengkapi dalam 7 hari dan Lapor SUSAR dalam 72 Jam setelah Peneliti Utama menerima laporan
- Menyerahkan Laporan Kemajuan (progress report) setiap 6 bulan untuk penelitian resiko tinggi dan setiap setahun untuk penelitian resiko rendah
- Menyerahkan laporan akhir setelah Penelitian berakhir
- Melaporkan penyimpangan dari prokol yang disetujui (protocol deviation / violation)
- Mematuhi semua peraturan yang ditentukan

Lampiran 2 Surat – Surat Penelitian

YAYASAN WAHANA BHAKTI KARYA HUSADA
INSTITUT ILMU KESEHATAN PELAMONIA
KAMPUS: JL. GARUDA NO. 3-AD MAKASSAR KODE POS 90125
Tlp 0411-857-836 / 0852-4157-5557

Makassar, 3 Februari 2023

Nomor : B / 190 / II / 2023
Klasifikasi : Biasa
Lampiran : -
Perihal : Pemberian Izin Melaksanakan Penelitian

Kepada

Yth. Dekan Fakultas Sekolah Pascasarjana Unhas

di

Tempat

1. Dasar :

a. Surat Keputusan Menteri Pendidikan dan Kebudayaan RI Nomor 931/M/2020 tanggal 6 Oktober 2020, tentang Izin Penggabungan Sekolah Tinggi Ilmu Kesehatan Pelamonia Kesdam VII/Wirabuana di Kota Makassar, Akademi Keperawatan Pelamonia Kesdam VII/Wirabuana di Kota Makassar, dan Akademi Kebidanan Pelamonia Kesdam VII/Wirabuana di Kota Makassar Menjadi Institut Ilmu Kesehatan Pelamonia Kesdam XIV/Hasanuddin di Kota Makassar Provinsi Sulawesi Selatan Yang Diselenggarakan Oleh Yayasan Wahana Bhakti Karya Husada;

b. Surat Dekan Fakultas Sekolah Pascasarjana Unhas Nomor 10331/UN4.20.1/PT.01.04/2023 tanggal 2 Februari 2023 tentang permohonan izin penelitian di Laboratorium Prodi D-III Farmasi Institut Ilmu Kesehatan Pelamonia.

2. Sehubungan dasar tersebut di atas, disampaikan bahwa pada dasarnya Rektor Institut Ilmu Kesehatan Pelamonia tidak keberatan dan dapat menyetujui pelaksanaan penelitian mengenai "**Pengaruh Pemberian Ekstrak Daun Sirih (*Piper betle* L.) terhadap Kadar IL-6 pada Mammae Tikus Nifas yang Diinduksi *Staphylococcus Aureus***" yang dilaksanakan oleh mahasiswa atas nama Rahma Winahyu Jannata Nomor Pokok P102211005 di Laboratorium Prodi D-III Farmasi Institut Ilmu Kesehatan Pelamonia dengan ketentuan wajib mengikuti aturan yang berlaku.

3. Demikian untuk dimaklumi.

Rektor Institut Ilmu Kesehatan Pelamonia,

Dr. Rugaiyah, S.ST, M.Kes., M.Keb
NIDK. 8818200016

Tembusan :

1. Kakesdam XIV/Hsn (Sbg. Lap)
2. Ketua YWBKH Perwakilan Sulawesi
3. Wakil Rektor I dan II IIK Pelamonia
4. Dekan Fakultas Ilmu Kesehatan IIK Pelamonia
5. Kaprodi D-III Farmasi IIK Pelamonia
6. Arsip

YAYASAN WAHANA BHAKTI KARYA HUSADA
INSTITUT ILMU KESEHATAN PELAMONIA
KAMPUS: JL. GARUDA NO. 3-AD MAKASSAR KODE POS 90125
Tlp 0411-857-836 / 0852-4157-5557

Nomor: B/097/ V / 2023

Yang bertanda tangan dibawah ini :

Nama	: apt. Ira Widya Sari.S.Farm., M.Si
NIDN	: 0903059203
Jabatan	: Kepala Laboratorium Prodi DIII Farmasi Institut Ilmu Kesehatan Pelamonia Makassar

Menerangkan Bahwa :

Nama	: Rahma Winahyu Jannata
NIM	: P102211005
Program Studi	: Fakultas Sekolah Pascasarjana Prodi Ilmu Kebidanan

Telah selesai melakukan penelitian di Laboratorium Bahan Alam dan Laboratorium Mikrobiologi dan Parasitologi Prodi DIII Farmasi Institut Ilmu Kesehatan Pelamonia Makassar terhitung bulan Februari – Maret tahun 2023 dengan judul "**Pengaruh Pemberian Ekstrak Daun Sirih (*Piper Betle* L) Terhadap kadar IL-6 Pada Mammae Tikus Nifas yang Diinduksi Staphylococcus Aureus**" Demikian Surat keterangan ini dibuat untuk dipergunakan sebagai mana mestinya.

Mengetahui
Kepala Laboratorium Prodi DIII Farmasi

apt.Ira Widya Sari, S.Farm., M.Si
NIDN. 0903059203

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET, DAN TEKNOLOGI
UNIVERSITAS HASANUDDIN
RUMAH SAKIT UNHAS
Jl. Perintis Kemerdekaan Km. 10 Tamalanrea, Makassar 90245
Website.www.rs.unhas.ac.id.Email.info@rs.unhas.ac.id Telp: (0411) 591331 Fax: (0411) 591332

Nomor : 9406/UN4.24.1.1/PT.01.05/2023 31 Juli 2023
Hal : **Surat Keterangan Selesai Penelitian**

Dengan ini menerangkan bahwa mahasiswa yang beridentitas :

Nama	: Rahma Winahyu Jannata
NIM	: P102211005
Institusi	: Magister Ilmu Kebidanan,Pascasarjana ,Universitas Hasanuddin, Makassar.
Kode Penelitian	: 230613_4

Telah menyelesaikan penelitian di Rumah Sakit Unhas.

Terhitung pada tanggal	: 19 Mei 2023
Dengan Sampel	: Data Primer : Elisa dan Pemeriksaan Histopatologi

Dalam rangka penyusunan Tesis yang berjudul:

" PENGARUH PEMBERIAN EKSTRAK DAUN SIRIH (PIPER BETLE L.) TERHADAP KADAR IL-6 PADA MAMMAE TIKUS NIFAS YANG DIINDUKSI OLEH BAKTERI STAPHYLOCOCCUS AUREUS "

Demikian surat keterangan ini dibuat dan diberikan kepada yang bersangkutan untuk dipergunakan seperlunya.

Manajer Pendidikan dan Penelitian,

dr. Aslim Taslim,Sp.Onk.Rad, M.Kes
NIP. 198304252012121003

LABORATORIUM BIOFARMAKA
FAKULTAS FARMASI UNIVERSITAS HASANUDDIN
Gedung LPPM Lt. 4, Kampus Universitas Hasanuddin Makassar 90245
Telp. (0411)-588556, Fax. (0411)-590663, e-mail : biofarmaka_uh@yahoo.com

---

SURAT KETERANGAN

Nomor : 096AB/FAR-PKP/V/2023

Yang bertanda tangan dibawah ini :

Nama	: Prof. Dr. Elly Wahyudin, DEA.,Apt.
Nip	: 195601141986012001
Pangkat/Golongan	: Pembina Utama, IV/e
Jabatan	: Kepala Laboratorium

Menerangkan dengan sesungguhnya bahwa :

Nama	: Rahma Winahyu Jannata
Nim	: P102211005
Program Studi	: S2 Ilmu Kebidanan
Fakultas	: Pasca Sarjana
Judul	: Pengaruh Pemberian Ekstrak Daun Sirih (*Piper Betle L.)* terhadap Kadar IL-6 pada Mammae Tikus Nifas yang Diinduksi *Staphylococcus aureus*

Benar tidak mempunyai pinjaman alat, bahan kimia dan lain-lain yang berhubungan dengan Laboratorium Biofarmaka Fakultas Farmasi Universitas Hasanuddin.

Demikian surat keterangan ini diberikan kepada yang bersangkutan untuk digunakan sebagaimana mestinya.

Makassar, 05 Juni 2023
Kepala Laboratorium,

Prof. Dr. Elly Wahyudin, DEA.,Apt.
NIP. 195601141986012001

HUM-RC
HASANUDDIN UNIVERSITY MEDICAL RESEARCH CENTER
science for a better future

CERTIFICATE OF PARTICIPATION

This certificate is presented to

Rahma Winahyu Jannata

for participating during the Basic skill lab Workshop "Elisa Hands On Training"

Presented this March 17th, 2023

HUM-RC
science for a better future

dr. Rusdina Bte Ladju, Ph.D
HEAD OF HUMRC LABORATORY

Dr. dr. A. Alfian Zainuddin, M.KM.
VICE DEAN OF PARTNERSHIP, RESEARCH, AND INNOVATION
FACULTY OF MEDICINE, HASANUDDIN UNIVERSITY

RUMAH SAKIT UNHAS
Tulus Melayani

ABIRAMA

Lampiran 3 Bebas Plagiasi

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET, DAN TEKNOLOGI
UNIVERSITAS HASANUDDIN
SEKOLAH PASCASARJANA

JL. PERINTIS KEMERDEKAAN KM. 10 MAKASSAR 90245 TELP.:(0411) 585034,585036 FAX. : (0411) 585868
E-mail :info@pasca.unhas.ac.id Website :http://pasca.unhas.ac.id

SURAT KETERANGAN BEBAS PLAGIASI

Nomor: 15034/UN4.20.1/PJ.01.02/2023

Yang bertandatangan di bawah ini, menerangkan bahwa :

Nama	:	Rahma Winahyu Jannata
NIM	:	P102211005
Program Pendidikan	:	Magister
Program Studi	:	Ilmu Kebidanan
Judul Tesis/Disertasi	:	Pengaruh pemberian ekstrak daun sirih (piper betle l.) Terhadap kadar il-6 pada mammae tikus nifas yang diinduksi bakteri staphylococcus aureus

benar naskah Tesis/Disertasi yang bersangkutan telah melalui proses deteksi plagiasi menggunakan aplikasi Turnitin (maksimal 30%) dengan persentase tingkat kemiripan naskah tersebut sebesar 26 %

Demikian surat keterangan ini dibuat untuk dipergunakan sebagaimana mestinya.

Makassar, 27 Juli 2023

Menyetujui
Ketua Program Studi S2
Ilmu Kebidanan

Dr. Mardiana Ahmad, S.Si.T., M. Keb

Pemeriksa,

Arman Jaya, S.Kom.

Mengetahui,
Wakil Dekan Bidang Akademik
dan Publikasi Ilmiah

Prof. Baharuddin Hamzah, S.T., M.Arch., Ph.D
NIP. 196003081995121001

Lampiran 4 Bukti *Accepted Journal*

BABALI NURSING RESEARCH
ISSN 2721-5989
Jl. Mekar Blok E3 No 14B, Pemogan, Denpasar 80221
Website: http://babalinursingresearch.com | Email: admin@babalinursingresearch.com

No: 004/BNR/VII/2023 July 30th, 2023

LETTER OF ACCEPTANCE

Hereby who undersigned this statement, Editor in Chief of Babali Nursing Research, firmly declared

Name Author : Rahma Winahyu Jannata[1], Prihantono[2], Irfan Idris[3]
Affiliation : [1,2,3]Hassanudin University, Makassar
Corresponding email : jannatarw21p@student.unhas.ac.id
Title Article : The potential of betle leaf (Piper betle L.) against bateria to cure mastitis: A Systematic Review

Was acceptance at Babali Nursing Research on July 30th 2023. Thus the statement signed to be used appropriately.

Sincerely,

I Ketut Andika Priastana, Ns. M.Kep
Editor in Chief

Lampiran 5 Dokumentasi Penelitian

- Pembuatan Ekstrak Daun Sirih (*Piper betle L.*)


Pemetikan Daun Sirih


Pencucian Daun Sirih


Pemilihan Daun Sirih


Daun Sirih Bersih


Pengeringan Daun Sirih


Daun Sirih Kering


Pembuatan Simplisia Daun Sirih

Penimbangan Simplisia Daun Sirih


Maserasi Daun Sirih


Pengadukan Simplisia Daun Sirih


Penyaringan Daun Sirih


Pemisahan Hasil Ekstraksi di Rotarievaporator


Penguapan Hasil Ekstraksi di *Waterbath*

Penimbangan Ekstrak Daun Sirih


Ekstrak Gel Daun Sirih

- Perlakuan Hewan Coba

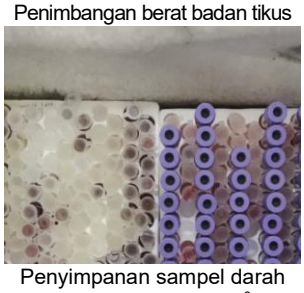

Kandang tikus penelitian


Pemantauan tikus melahirkan


Penimbangan berat badan tikus


Pengambilan darah tikus nifas


Centrifudge darah tikus nifas


Penyimpanan sampel darah tikus nifas di suhu -20^{0}C


Staphylococcus aureus


Desinfeksi area penyuntikan


Inokulasi *S. aureus* ke *mammae* R4 tikus nifas

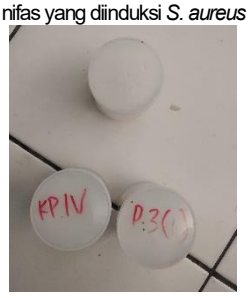

Pengambilan gel untuk perlakuan


Pemberian gel pada m*ammae*


Perubahan pada m*ammae* tikus nifas yang diinduksi *S. aureus*

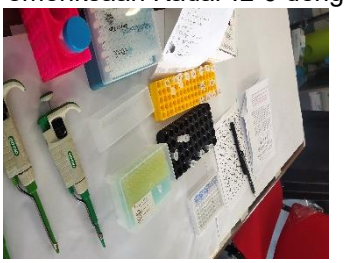

Penyuntikan anestesi


Pembedahan tikus nifas

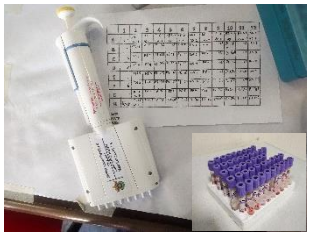


Penyimpanan jaringan pada formalin 10% untuk uji histopatologi *mammae*

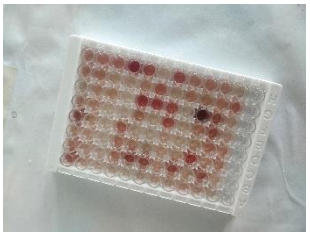
- Pemeriksaan Kadar IL-6 dengan Metode ELISA



Persiapan alat dan bahan



Perencanaan susunan sampel pada *microplate*



Sampel plasma darah tikus nifas dalam *mocroplate*

Melakukan inkubasi pada suhu 37^{0}C

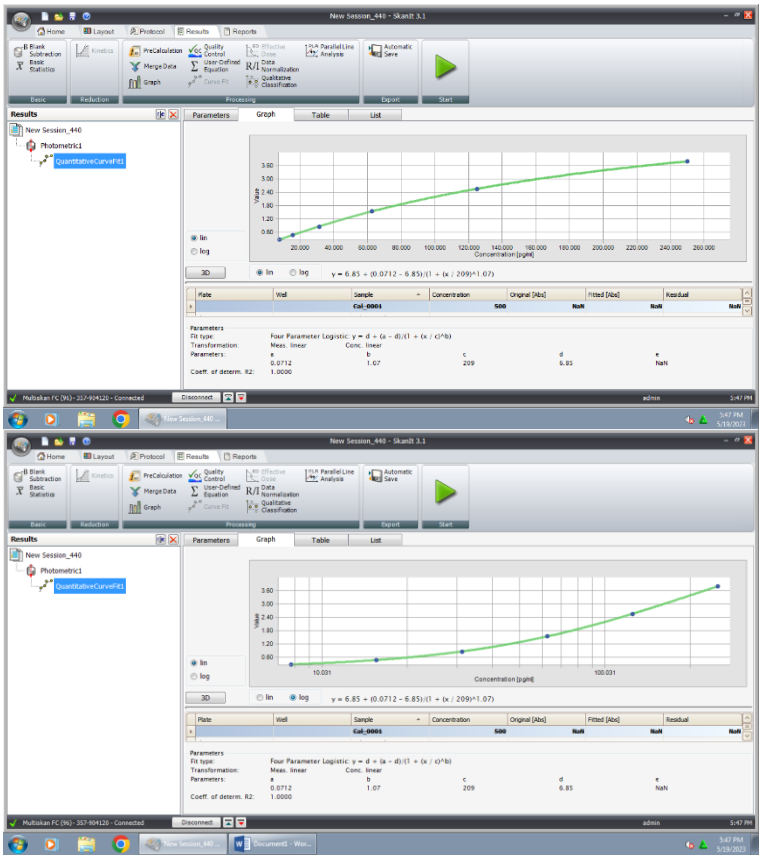
Micropipeting reagent kedalam *well*

Persiapan *washer well*

Well setelah penambahan *substrat*

Well setelah penambahan *stop solution*

Microplate reader dengan panjang gelombang 450nm untuk menentukan OD



Hasil pembacaan kurva standart kadar IL-6 tikus nifas dengan alat *microplate reader* merk BioBase

Lampiran 6 Uji Pra-Penelitian

PENELITIAN MASTITIS

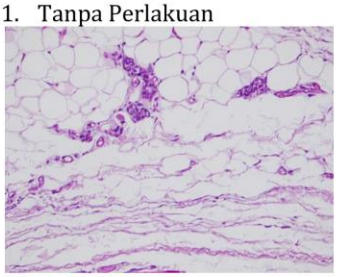
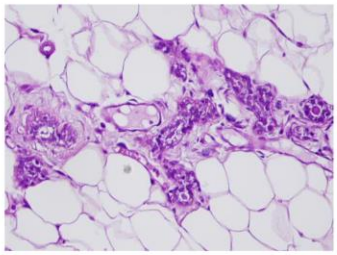
NO	SLIDE	SKOR UDEM	SKOR PMN
1	TANPA PERLAKUAN	0	0
2	INF S. AUREUS	3	2
3	KONTROL NEGATIF	3	4
4	KONTROL POSITIF (IV)	2	1
5	KONTROL POSITIF (I)	0	1
6	P1 (5)	2	2
7	P1 (2)	1	1
8	P2 (5)	1	1
9	P2 (6)	1	1
10	P3 (5)	0	1
11	P3 (1)	0	0

SKOR INFLAMASI
UDEM (200 X):
0 = NORMAL
1 = MILD
2 = MODERATE
3 = SEVERE
INFILTRASI PMN (400X) :
0 = 0 – 1 SEL
1 = 2 – 5 SEL
2 = 6 – 10 SEL
3 = 11 – 15 SEL
4 = 16 – 20 SEL
5 = 20 SEL >

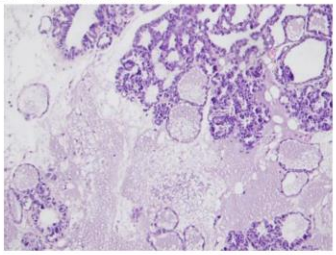
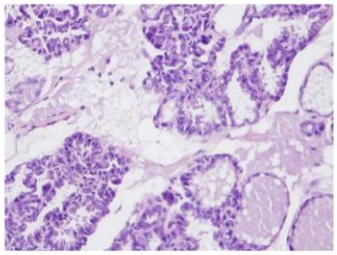
LAMPIRAN

PEMBESARAN 200X PEMBESARAN 400X

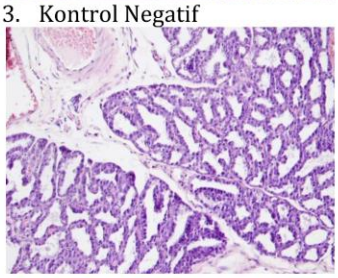
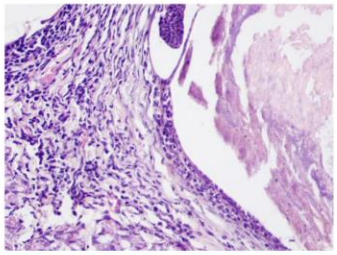
1. Tanpa Perlakuan

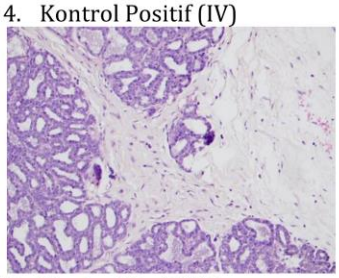
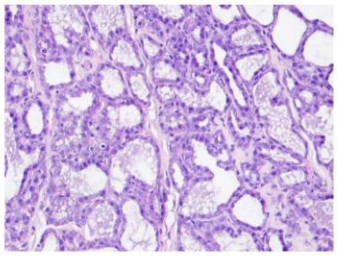
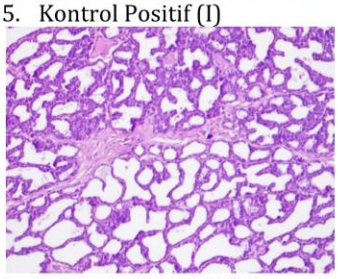
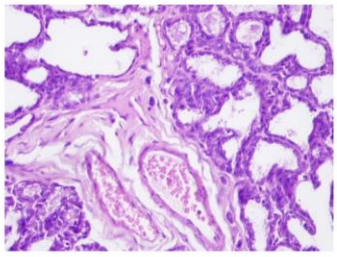
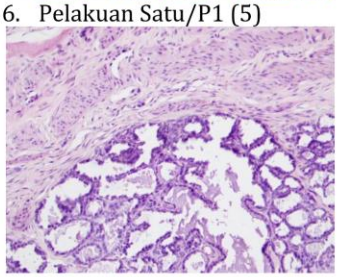
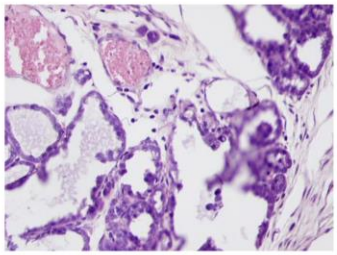
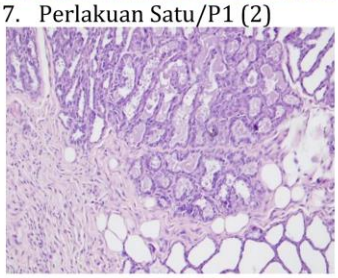
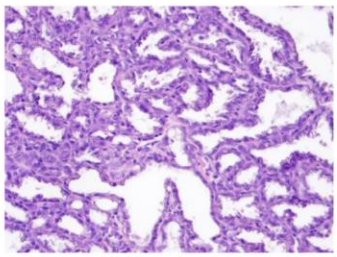
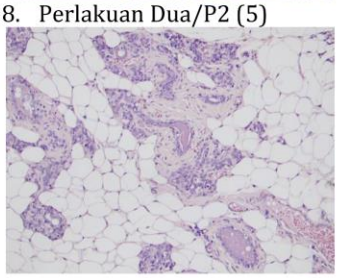
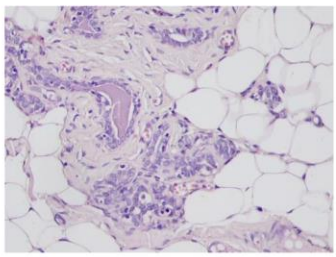



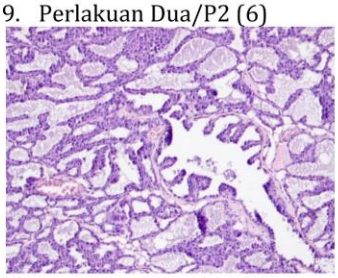
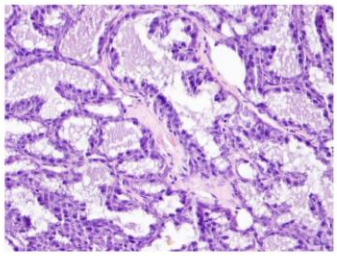
2. Inf. S. Aureus

3. Kontrol Negatif

PEMBESARAN 200X	PEMBESARAN 400X
4. Kontrol Positif (IV)	
	
5. Kontrol Positif (I)	
	
6. Pelakuan Satu/P1 (5)	
	
7. Perlakuan Satu/P1 (2)	
	
8. Perlakuan Dua/P2 (5)	
	

PEMBESARAN 200X	PEMBESARAN 400X
9. Perlakuan Dua/P2 (6)	
	
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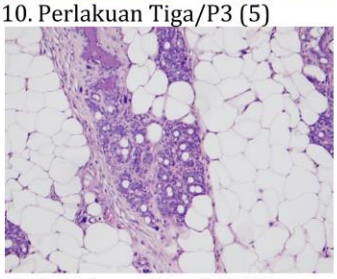
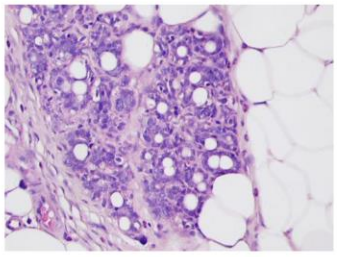
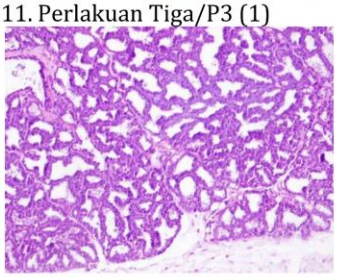
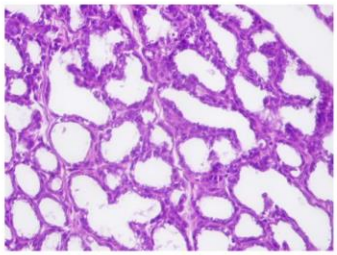
	
11. Perlakuan Tiga/P3 (1)	
	

Mengetahui,
Pendamping Peneliti

MARDIATI

NIP.

YAYASAN WAHANA BHAKTI KARYA HUSADA
INSTITUT ILMU KESEHATAN PELAMONIA
KAMPUS: JL. GARUDA NO. 3-AD MAKASSAR KODE POS 90125
Tlp 0411-857-836 / 0852-4157-5557

Nomor : B/190/II/2023
Sifat : Biasa
Perihal : Surat Keterangan Analisa Kualitatif

Bersama ini kami sampiakn hasil Analisa berikut ini:

1. Identitas Pemohon

Nama	NIM	Instansi
Rahma Winahyu Jannata	P102211005	Fakultas Sekolah Pascasarjana Prodi Ilmu Kebidanan

2. Identitas Sampel
   Nama Sampel : Daun Sirih
   Nama Latin : Piper Betle L
   Bentuk Sampel : Ekstrak
   Pelarut : Etanol 97%
   Tanggal Penerimaan : 21 Februari 2023
   Tanggal Pemeriksaan : 15 Maret 2023

3. Hasil

No	Identifikasi Senyawa	Parameter	Hasil
1.	Saponin	Terbentuk buih atau busa setinggi 1-10 cm selama 30 menit	(-) Negatif
2.	Alkaloid		
	Mayer	Endapan Putih	(-) Negatif
	Dragendrof	Endapan Jingga	(-) Negatif
	Bouchardat	Endapan Coklat	(-) Negatif
3.	Tanin	Coklat Kehitaman, biru Kehitaman	(+) Positif
4.	Flavonoida	Merah, Kuning, Jingga	(+) Positif

4. Lampiran

Nama Sampel	Saponin	Tanin	Flavanoid	Alakaloid
Ekstrak Daun Sirih				

Mengetahui
Kepala Laboratorium Prodi DIII Farmasi

apt.Ira Widya Sari, S.Farm., M.Si
NIDN. 0903059203

Lampiran 7 Master Tabel

MASTER TABEL

Pengaruh Pemberian Ekstrak Daun Sirih (Piper betle L.) terhadap

Kadar IL-6 pada Mammae Tikus Nifas yang Diinduksi oleh Bakteri Staphylococcus Aureus

A. Kelompok Kontrol Negatif

No	Tikus	BB (gram)		Pengukuran Kadar IL-6		
		Sebelum	Sesudah	Pengukuran I (pg/ml)	Pengukuran II (pg/ml)	Pengukuran III (pg/ml)
1	KN1	214	210	3,4239	3,5055	4,1968
2	KN2	203	201	3,7336	3,859	5,482
3	KN3	219	216	3,4502	3,5291	5,3343
4	KN4	227	220	3,8146	4,0723	6,2513
5	KN5	212	211	3,4344	3,6132	5,4948
6	KN6	207	208	3,4897	4,0983	5,398

B. Kelompok Kontrol Positif

No	Tikus	BB (gram)		Pengukuran Kadar IL-6		
		Sebelum	Sesudah	Pengukuran I (pg/ml)	Pengukuran II (pg/ml)	Pengukuran III (pg/ml)
1	KP1	216	214	3,3843	3,8459	3,5265
2	KP2	231	233	3,7127	4,8126	3,3288
3	KP3	217	217	4,1605	5,0662	3,6525
4	KP4	224	222	5,6703	6,3045	3,0981
5	KP5	202	204	3,4528	4,4861	3,5896
6	KP6	223	223	5,7059	6,3829	3,4923

C. Kelompok Perlakuan 1

No	Tikus	BB (gram)		Pengukuran Kadar IL-6		
		Sebelum	Sesudah	Pengukuran I (pg/ml)	Pengukuran II (pg/ml)	Pengukuran III (pg/ml)
1	P1-1	224	220	3,5291	3,5948	3,268
2	P1-2	204	206	3,9658	4,0438	3,6577
3	P1-3	208	207	4,1113	4,246	3,5475
4	P1-4	225	221	3,7964	4,728	3,4765
5	P1-5	201	204	3,9944	4,2305	3,5265
6	P1-6	240	234	3,3262	3,6996	3,5896

D. Kelompok Perlakuan 2

No	Tikus	BB (gram)		Pengukuran Kadar IL-6		
		Sebelum	Sesudah	Pengukuran I (pg/ml)	Pengukuran II (pg/ml)	Pengukuran III (pg/ml)
1	P2-1	208	208	3,5922	4,1787	3,6525
2	P2-2	213	211	3,6839	4,6329	3,9345
3	P2-3	203	207	3,8094	5,2424	4,602
4	P2-4	223	220	3,5948	4,5891	3,5423
5	P2-5	216	217	3,4976	4,6406	4,0308
6	P2-6	206	209	3,6865	4,4397	-

E. Kelompok Perlakuan 3

No	Tikus	BB (gram)		Pengukuran Kadar IL-6		
		Sebelum	Sesudah	Pengukuran I (pg/ml)	Pengukuran II (pg/ml)	Pengukuran III (pg/ml)
1	P3-1	230	229	3,9059	4,3804	4,1398
2	P3-2	222	220	4,2253	5,4464	4,1528
3	P3-3	216	215	4,0178	5,199	4,0542
4	P3-4	233	230	4,3959	5,5202	4,4294
5	P3-5	220	218	3,2203	4,7588	4,5042
6	P3-6	218	217	3,7127	3,5055	-

Lampiran 8 Hasil Analisa Statistik Kadar IL-6 (*output* SPSS)

- **Berat badan hewan coba**

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean Lower Bound	95% Confidence Interval for Mean Upper Bound	Minimum	Maximum
KN	BB Awal	6	213,6667	8,57127	3,49921	204,6717	222,6617	203,00	227,00
	BB Akhir	6	211,0000	6,57267	2,68328	204,1024	217,8976	201,00	220,00
	Total	12	212,3333	7,41416	2,14028	207,6226	217,0441	201,00	227,00
KP	BB Awal	6	218,8333	9,86745	4,02837	208,4781	229,1886	202,00	231,00
	BB Akhir	6	218,8333	9,74508	3,97841	208,6065	229,0602	204,00	233,00
	Total	12	218,8333	9,35009	2,69914	212,8926	224,7741	202,00	233,00
P1	BB Awal	6	217,0000	15,15256	6,18601	201,0984	232,9016	201,00	240,00
	BB Akhir	6	215,3333	11,72462	4,78656	203,0291	227,6376	204,00	234,00
	Total	12	216,1667	12,94628	3,73727	207,9410	224,3923	201,00	240,00
P2	BB Awal	6	211,5000	7,34166	2,99722	203,7954	219,2046	203,00	223,00
	BB Akhir	6	212,0000	5,29150	2,16025	206,4469	217,5531	207,00	220,00
	Total	12	211,7500	6,10700	1,76294	207,8698	215,6302	203,00	223,00
P3	BB Awal	6	223,1667	6,82398	2,78588	216,0053	230,3280	216,00	233,00
	BB Akhir	6	221,5000	6,41093	2,61725	214,7721	228,2279	215,00	230,00
	Total	12	222,3333	6,37229	1,83952	218,2846	226,3821	215,00	233,00

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Penimbangan	Statistic	df	Sig.	Statistic	df	Sig.
KN	BB Awal	,167	5	,200*	,991	5	,983
	BB Akhir	,212	5	,200*	,966	5	,846
KP	BB Awal	,226	5	,200*	,965	5	,842
	BB Akhir	,154	5	,200*	,990	5	,981
P1	BB Awal	,251	5	,200*	,841	5	,169
	BB Akhir	,313	5	,124	,800	5	,081
P2	BB Awal	,128	5	,200*	,994	5	,991
	BB Akhir	,211	5	,200*	,905	5	,437
P3	BB Awal	,222	5	,200*	,936	5	,641
	BB Akhir	,239	5	,200*	,880	5	,307

*. This is a lower bound of the true significance.
a. Lilliefors Significance Correction

Tests of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
KN	Based on Mean	,179	1	8	,684
	Based on Median	,138	1	8	,720
	Based on Median and with adjusted df	,138	1	7,648	,720
	Based on trimmed mean	,173	1	8	,688
KP	Based on Mean	,000	1	8	1,000
	Based on Median	,000	1	8	1,000
	Based on Median and with adjusted df	,000	1	7,992	1,000
	Based on trimmed mean	,000	1	8	,992
P1	Based on Mean	2,169	1	8	,179
	Based on Median	,333	1	8	,580
	Based on Median and with adjusted df	,333	1	7,923	,580
	Based on trimmed mean	2,085	1	8	,187
P2	Based on Mean	,205	1	8	,662
	Based on Median	,235	1	8	,641
	Based on Median and with adjusted df	,235	1	7,488	,641
	Based on trimmed mean	,217	1	8	,654
P3	Based on Mean	,010	1	8	,922
	Based on Median	,005	1	8	,944
	Based on Median and with adjusted df	,005	1	7,993	,944
	Based on trimmed mean	,010	1	8	,925

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
KN	Between Groups	28,900	1	28,900	,445	,523
	Within Groups	519,200	8	64,900		
	Total	548,100	9			
KP	Between Groups	,000	1	,000	,000	1,000
	Within Groups	920,000	8	115,000		
	Total	920,000	9			
P1	Between Groups	1,600	1	1,600	,016	,901
	Within Groups	782,400	8	97,800		
	Total	784,000	9			
P2	Between Groups	,000	1	,000	,000	1,000
	Within Groups	362,400	8	45,300		
	Total	362,400	9			
P3	Between Groups	8,100	1	8,100	,170	,691
	Within Groups	382,000	8	47,750		
	Total	390,100	9			

- **Kelompok Kontrol Negatif (KN)**

Descriptives

Kontrol Negatif

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Pengukuran 1	5	3.571340	.1875298	.0838659	3.338491	3.804189	3.4239	3.8146
Pengukuran 2	5	3.715820	.2435201	.1089055	3.413450	4.018190	3.5055	4.0723
Pengukuran 3	5	5.351840	.7383821	.3302145	4.435018	6.268662	4.1968	6.2513
Total	15	4.213000	.9387709	.2423896	3.693126	4.732874	3.4239	6.2513

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Kontrol Negatif AD1	.341	5	.058	.783	5	.059

a. Lilliefors Significance Correction

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Kontrol Negatif AD2	.263	5	.200*	.878	5	.300

a. Lilliefors Significance Correction

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Kontrol Negatif AD3	.291	5	.195	.904	5	.433

a. Lilliefors Significance Correction

Tests of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Kontrol Negatif	Based on Mean	1.490	2	12	.264
	Based on Median	1.072	2	12	.373
	Based on Median and with adjusted df	1.072	2	5.589	.404
	Based on trimmed mean	1.449	2	12	.273

ANOVA

Kontrol Negatif

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	9.779	2	4.890	22.932	.000
Within Groups	2.559	12	.213		
Total	12.338	14			

- **Kelompok Kontrol Positif (KP)**

Descriptives

Kontrol Positif

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean Lower Bound	95% Confidence Interval for Mean Upper Bound	Minimum	Maximum
Pengukuran 1	5	4.076120	.9417732	.4211738	2.906754	5.245486	3.3843	5.6703
Pengukuran 2	5	4.903060	.9069557	.4056029	3.776926	6.029194	3.8459	6.3045
Pengukuran 3	5	3.439100	.2259843	.1010633	3.158503	3.719697	3.0981	3.6525
Total	15	4.139427	.9422732	.2432939	3.617613	4.661240	3.0981	6.3045

Tests of Normality

	Kolmogorov-Smirnov[a] Statistic	df	Sig.	Shapiro-Wilk Statistic	df	Sig.
Kontrol Positif AD1	.264	5	.200*	.805	5	.089

a. Lilliefors Significance Correction

	Kolmogorov-Smirnov[a] Statistic	df	Sig.	Shapiro-Wilk Statistic	df	Sig.
Kontrol Positif AD2	.229	5	.200*	.957	5	.784

a. Lilliefors Significance Correction

	Kolmogorov-Smirnov[a] Statistic	df	Sig.	Shapiro-Wilk Statistic	df	Sig.
Kontrol Positif AD3	.251	5	.200*	.911	5	.475

a. Lilliefors Significance Correction

Tests of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Kontrol Positif	Based on Mean	1.655	2	12	.232
	Based on Median	.967	2	12	.408
	Based on Median and with adjusted df	.967	2	7.988	.421
	Based on trimmed mean	1.551	2	12	.252

ANOVA

Kontrol Positif

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	5.388	2	2.694	4.591	.033
Within Groups	7.042	12	.587		
Total	12.430	14			

- **Kelompok Perlakuan Satu (P1)**

Descriptives

Perlakuan 1

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean Lower Bound	95% Confidence Interval for Mean Upper Bound	Minimum	Maximum
Pengukuran 1	5	3.879400	.2258687	.1010115	3.598947	4.159853	3.5291	4.1113
Pengukuran 2	5	4.168620	.4085255	.1826981	3.661369	4.675871	3.5948	4.7280
Pengukuran 3	5	3.495240	.1432574	.0640667	3.317362	3.673118	3.2680	3.6577
Total	15	3.847753	.3868225	.0998771	3.633538	4.061968	3.2680	4.7280

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Perlakuan 1 AD1	.249	5	.200*	.926	5	.571

a. Lilliefors Significance Correction

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Perlakuan 1 AD2	.225	5	.200*	.963	5	.832

a. Lilliefors Significance Correction

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Perlakuan 1 AD3	.248	5	.200*	.929	5	.589

a. Lilliefors Significance Correction

Tests of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Perlakuan 1	Based on Mean	1.362	2	12	.293
	Based on Median	.951	2	12	.414
	Based on Median and with adjusted df	.951	2	7.802	.427
	Based on trimmed mean	1.358	2	12	.294

ANOVA

Perlakuan 1

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1.141	2	.571	7.179	.009
Within Groups	.954	12	.079		
Total	2.095	14			

- **Kelompok Perlakuan Dua (P2)**

Descriptives

Perlakuan 2

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Pengukuran 1	5	3.635580	.1174005	.0525031	3.489808	3.781352	3.4976	3.8094
Pengukuran 2	5	4.656740	.3797775	.1698417	4.185184	5.128296	4.1787	5.2424
Pengukuran 3	5	3.952420	.4142973	.1852794	3.438002	4.466838	3.5423	4.6020
Total	15	4.081580	.5378968	.1388844	3.783703	4.379457	3.4976	5.2424

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Perlakuan 2 AD1	.236	5	.200*	.954	5	.767

a. Lilliefors Significance Correction

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Perlakuan 2 AD2	.317	5	.112	.897	5	.394

a. Lilliefors Significance Correction

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Perlakuan 2 AD3	.225	5	.200*	.922	5	.543

a. Lilliefors Significance Correction

Tests of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Perlakuan 2	Based on Mean	1.125	2	12	.357
	Based on Median	1.056	2	12	.378
	Based on Median and with adjusted df	1.056	2	8.716	.388
	Based on trimmed mean	1.063	2	12	.376

ANOVA

Perlakuan 2

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2.732	2	1.366	12.431	.001
Within Groups	1.319	12	.110		
Total	4.051	14			

- **Kelompok Perlakuan Tiga (P3)**

Descriptives

Perlakuan 3

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Pengukuran 1	5	3.953040	.4509918	.2016897	3.393060	4.513020	3.2203	4.3959
Pengukuran 2	5	5.060960	.4829552	.2159841	4.461292	5.660628	4.3804	5.5202
Pengukuran 3	5	4.256080	.1978299	.0884722	4.010442	4.501718	4.0542	4.5042
Total	15	4.423360	.6083755	.1570819	4.086453	4.760267	3.2203	5.5202

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Perlakuan 3 AD1	.258	5	.200*	.906	5	.443

a. Lilliefors Significance Correction

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Perlakuan 3 AD2	.212	5	.200*	.914	5	.493

a. Lilliefors Significance Correction

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Perlakuan 3 AD3	.299	5	.164	.870	5	.265

a. Lilliefors Significance Correction

Tests of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Perlakuan 3	Based on Mean	1.545	2	12	.253
	Based on Median	.879	2	12	.440
	Based on Median and with adjusted df	.879	2	9.923	.445
	Based on trimmed mean	1.450	2	12	.273

ANOVA

Perlakuan 3

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3.279	2	1.639	10.337	.002
Within Groups	1.903	12	.159		
Total	5.182	14			

- **Uji Beda Berganda Post Hoc (LSD dan Duncan) Antar Kelompok Perlakuan**

Multiple Comparisons

Dependent Variable		(I) G	(J) G	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
Sebelum	LSD	Kontrol Negatif	Kontrol Positif	-,50478	,30858	,118	-1,1485	,1389
			Perlakuan 1	-,30806	,30858	,330	-,9518	,3356
			Perlakuan 2	-,06424	,30858	,837	-,7079	,5795
			Perlakuan 3	-,38170	,30858	,230	-1,0254	,2620
		Kontrol Positif	Kontrol Negatif	,50478	,30858	,118	-,1389	1,1485
			Perlakuan 1	,19672	,30858	,531	-,4470	,8404
			Perlakuan 2	,44054	,30858	,169	-,2032	1,0842
			Perlakuan 3	,12308	,30858	,694	-,5206	,7668
		Perlakuan 1	Kontrol Negatif	,30806	,30858	,330	-,3356	,9518
			Kontrol Positif	-,19672	,30858	,531	-,8404	,4470
			Perlakuan 2	,24382	,30858	,439	-,3999	,8875
			Perlakuan 3	-,07364	,30858	,814	-,7173	,5701
		Perlakuan 2	Kontrol Negatif	,06424	,30858	,837	-,5795	,7079
			Kontrol Positif	-,44054	,30858	,169	-1,0842	,2032
			Perlakuan 1	-,24382	,30858	,439	-,8875	,3999
			Perlakuan 3	-,31746	,30858	,316	-,9612	,3262
		Perlakuan 3	Kontrol Negatif	,38170	,30858	,230	-,2620	1,0254
			Kontrol Positif	-,12308	,30858	,694	-,7668	,5206
			Perlakuan 1	,07364	,30858	,814	-,5701	,7173
			Perlakuan 2	,31746	,30858	,316	-,3262	,9612
Setelah induksi S. aureus	LSD	Kontrol Negatif	Kontrol Positif	-1,18724*	,33779	,002	-1,8918	-,4826
			Perlakuan 1	-,45280	,33779	,195	-1,1574	,2518
			Perlakuan 2	-,94092*	,33779	,011	-1,6455	-,2363
			Perlakuan 3	-1,34514*	,33779	,001	-2,0497	-,6405
		Kontrol Positif	Kontrol Negatif	1,18724*	,33779	,002	,4826	1,8918
			Perlakuan 1	,73444*	,33779	,042	,0298	1,4390
			Perlakuan 2	,24632	,33779	,474	-,4583	,9509
			Perlakuan 3	-,15790	,33779	,645	-,8625	,5467
		Perlakuan 1	Kontrol Negatif	,45280	,33779	,195	-,2518	1,1574
			Kontrol Positif	-,73444*	,33779	,042	-1,4390	-,0298
			Perlakuan 2	-,48812	,33779	,164	-1,1927	,2165
			Perlakuan 3	-,89234*	,33779	,016	-1,5969	-,1877
		Perlakuan 2	Kontrol Negatif	,94092*	,33779	,011	,2363	1,6455
			Kontrol Positif	-,24632	,33779	,474	-,9509	,4583
			Perlakuan 1	,48812	,33779	,164	-,2165	1,1927
			Perlakuan 3	-,40422	,33779	,245	-1,1088	,3004
		Perlakuan 3	Kontrol Negatif	1,34514*	,33779	,001	,6405	2,0497
			Kontrol Positif	,15790	,33779	,645	-,5467	,8625
			Perlakuan 1	,89234*	,33779	,016	,1877	1,5969
			Perlakuan 2	,40422	,33779	,245	-,3004	1,1088
Setelah perlakuan	LSD	Kontrol Negatif	Kontrol Positif	1,91274*	,25731	,000	1,3760	2,4495
			Perlakuan 1	1,85660*	,25731	,000	1,3199	2,3933
			Perlakuan 2	1,39942*	,25731	,000	,8627	1,9362
			Perlakuan 3	1,09576*	,25731	,000	,5590	1,6325
		Kontrol Positif	Kontrol Negatif	-1,91274*	,25731	,000	-2,4495	-1,3760
			Perlakuan 1	-,05614	,25731	,829	-,5929	,4806
			Perlakuan 2	-,51332	,25731	,060	-1,0501	,0234
			Perlakuan 3	-,81698*	,25731	,005	-1,3537	-,2802
		Perlakuan 1	Kontrol Negatif	-1,85660*	,25731	,000	-2,3933	-1,3199
			Kontrol Positif	,05614	,25731	,829	-,4806	,5929
			Perlakuan 2	-,45718	,25731	,091	-,9939	,0796
			Perlakuan 3	-,76084*	,25731	,008	-1,2976	-,2241
		Perlakuan 2	Kontrol Negatif	-1,39942*	,25731	,000	-1,9362	-,8627
			Kontrol Positif	,51332	,25731	,060	-,0234	1,0501
			Perlakuan 1	,45718	,25731	,091	-,0796	,9939
			Perlakuan 3	-,30366	,25731	,252	-,8404	,2331
		Perlakuan 3	Kontrol Negatif	-1,09576*	,25731	,000	-1,6325	-,5590
			Kontrol Positif	,81698*	,25731	,005	,2802	1,3537
			Perlakuan 1	,76084*	,25731	,008	,2241	1,2976
			Perlakuan 2	,30366	,25731	,252	-,2331	,8404

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

Homogenous Subset (Duncan)

Sebelum (AD 1)

	G	N	Subset for alpha = 0.05 1
Duncan[a]	Kontrol Negatif	5	3,5713
	Perlakuan 2	5	3,6356
	Perlakuan 1	5	3,8794
	Perlakuan 3	5	3,9530
	Kontrol Positif	5	4,0761
	Sig.		,156

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 5,000.

Setelah induksi S. aureus (AD 2)

	G	N	Subset for alpha = 0.05 1	2	3
Duncan[a]	Kontrol Negatif	5	3,7158		
	Perlakuan 1	5	4,1686	4,1686	
	Perlakuan 2	5		4,6567	4,6567
	Kontrol Positif	5		4,9031	4,9031
	Perlakuan 3	5			5,0610
	Sig.		,195	,051	,271

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 5,000.

Setelah perlakuan (AD 3)

	G	N	Subset for alpha = 0.05 1	2	3
Duncan[a]	Kontrol Positif	5	3,4391		
	Perlakuan 1	5	3,4952		
	Perlakuan 2	5	3,9524	3,9524	
	Perlakuan 3	5		4,2561	
	Kontrol Negatif	5			5,3518
	Sig.		,072	,252	1,000

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 5,000.

- **Uji Beda Berganda Post Hoc (LSD dan Duncan) Antar Pengambilan Darah**

Multiple Comparisons

Dependent Variable: Kontrol Negatif

LSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
Pengukuran 1	Pengukuran 2	-,1444800	,2920451	,630	-,780792	,491832
	Pengukuran 3	-1,7805000*	,2920451	,000	-2,416812	-1,144188
Pengukuran 2	Pengukuran 1	,1444800	,2920451	,630	-,491832	,780792
	Pengukuran 3	-1,6360200*	,2920451	,000	-2,272332	-,999708
Pengukuran 3	Pengukuran 1	1,7805000*	,2920451	,000	1,144188	2,416812
	Pengukuran 2	1,6360200*	,2920451	,000	,999708	2,272332

Dependent Variable: Kontrol Positif

LSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
Pengukuran 1	Pengukuran 2	-,8269400	,4845031	,114	-1,882582	,228702
	Pengukuran 3	,6370200	,4845031	,213	-,418622	1,692662
Pengukuran 2	Pengukuran 1	,8269400	,4845031	,114	-,228702	1,882582
	Pengukuran 3	1,4639600*	,4845031	,011	,408318	2,519602
Pengukuran 3	Pengukuran 1	-,6370200	,4845031	,213	-1,692662	,418622
	Pengukuran 2	-1,4639600*	,4845031	,011	-2,519602	-,408318

Dependent Variable: Perlakuan 1

LSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
Pengukuran 1	Pengukuran 2	-,2892200	,1783003	,131	-,677703	,099263
	Pengukuran 3	,3841600	,1783003	,052	-,004323	,772643
Pengukuran 2	Pengukuran 1	,2892200	,1783003	,131	-,099263	,677703
	Pengukuran 3	,6733800*	,1783003	,003	,284897	1,061863
Pengukuran 3	Pengukuran 1	-,3841600	,1783003	,052	-,772643	,004323
	Pengukuran 2	-,6733800*	,1783003	,003	-1,061863	-,284897

Dependent Variable: Perlakuan 2

LSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
Pengukuran 1	Pengukuran 2	-1,0211600*	,2096525	,000	-1,477953	-,564367
	Pengukuran 3	-,3168400	,2096525	,157	-,773633	,139953
Pengukuran 2	Pengukuran 1	1,0211600*	,2096525	,000	,564367	1,477953
	Pengukuran 3	,7043200*	,2096525	,006	,247527	1,161113
Pengukuran 3	Pengukuran 1	,3168400	,2096525	,157	-,139953	,773633
	Pengukuran 2	-,7043200*	,2096525	,006	-1,161113	-,247527

Dependent Variable: Perlakuan 3

LSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
Pengukuran 1	Pengukuran 2	-1,1079200*	,2518666	,001	-1,656690	-,559150
	Pengukuran 3	-,3030400	,2518666	,252	-,851810	,245730
Pengukuran 2	Pengukuran 1	1,1079200*	,2518666	,001	,559150	1,656690
	Pengukuran 3	,8048800*	,2518666	,008	,256110	1,353650
Pengukuran 3	Pengukuran 1	,3030400	,2518666	,252	-,245730	,851810
	Pengukuran 2	-,8048800*	,2518666	,008	-1,353650	-,256110

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

- **Uji Beda Berganda Post Hoc (LSD dan Duncan)**
  Sebelum dan Setelah Induksi *Staphylococcus aureus*

Multiple Comparisons

Dependent Variable: AD 1 2

	(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
LSD	Kontrol Negatif	Kontrol Positif	-.8460200*	.3090080	.013	-1.490599	-.201441
		Perlakuan 1	-.3804400	.3090080	.233	-1.025019	.264139
		Perlakuan 2	-.5025600	.3090080	.120	-1.147139	.142019
		Perlakuan 3	-.8634000*	.3090080	.011	-1.507979	-.218821
	Kontrol Positif	Kontrol Negatif	.8460200*	.3090080	.013	.201441	1.490599
		Perlakuan 1	.4655800	.3090080	.148	-.178999	1.110159
		Perlakuan 2	.3434600	.3090080	.280	-.301119	.988039
		Perlakuan 3	-.0173800	.3090080	.956	-.661959	.627199
	Perlakuan 1	Kontrol Negatif	.3804400	.3090080	.233	-.264139	1.025019
		Kontrol Positif	-.4655800	.3090080	.148	-1.110159	.178999
		Perlakuan 2	-.1221200	.3090080	.697	-.766699	.522459
		Perlakuan 3	-.4829600	.3090080	.134	-1.127539	.161619
	Perlakuan 2	Kontrol Negatif	.5025600	.3090080	.120	-.142019	1.147139
		Kontrol Positif	-.3434600	.3090080	.280	-.988039	.301119
		Perlakuan 1	.1221200	.3090080	.697	-.522459	.766699
		Perlakuan 3	-.3608400	.3090080	.257	-1.005419	.283739
	Perlakuan 3	Kontrol Negatif	.8634000*	.3090080	.011	.218821	1.507979
		Kontrol Positif	.0173800	.3090080	.956	-.627199	.661959
		Perlakuan 1	.4829600	.3090080	.134	-.161619	1.127539
		Perlakuan 2	.3608400	.3090080	.257	-.283739	1.005419

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

AD 1 2

	Kelompok	N	Subset for alpha = 0.05 1	Subset for alpha = 0.05 2
Duncan[a]	Kontrol Negatif	5	3.643600	
	Perlakuan 1	5	4.024040	4.024040
	Perlakuan 2	5	4.146160	4.146160
	Kontrol Positif	5		4.489620
	Perlakuan 3	5		4.507000
	Sig.		.139	.167

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 5.000.

- **Uji Beda Berganda Post Hoc (LSD dan Duncan) Sebelum dan Setelah Perlakuan**

Multiple Comparisons

Dependent Variable: AD 2 3

	(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
LSD	Kontrol Negatif	Kontrol Positif	.3627400	.2272124	.126	-.111217	.836697
		Perlakuan 1	.7018800*	.2272124	.006	.227923	1.175837
		Perlakuan 2	.2292600	.2272124	.325	-.244697	.703217
		Perlakuan 3	-.1246800	.2272124	.589	-.598637	.349277
	Kontrol Positif	Kontrol Negatif	-.3627400	.2272124	.126	-.836697	.111217
		Perlakuan 1	.3391400	.2272124	.151	-.134817	.813097
		Perlakuan 2	-.1334800	.2272124	.563	-.607437	.340477
		Perlakuan 3	-.4874200*	.2272124	.044	-.961377	-.013463
	Perlakuan 1	Kontrol Negatif	-.7018800*	.2272124	.006	-1.175837	-.227923
		Kontrol Positif	-.3391400	.2272124	.151	-.813097	.134817
		Perlakuan 2	-.4726200	.2272124	.051	-.946577	.001337
		Perlakuan 3	-.8265600*	.2272124	.002	-1.300517	-.352603
	Perlakuan 2	Kontrol Negatif	-.2292600	.2272124	.325	-.703217	.244697
		Kontrol Positif	.1334800	.2272124	.563	-.340477	.607437
		Perlakuan 1	.4726200	.2272124	.051	-.001337	.946577
		Perlakuan 3	-.3539400	.2272124	.135	-.827897	.120017
	Perlakuan 3	Kontrol Negatif	.1246800	.2272124	.589	-.349277	.598637
		Kontrol Positif	.4874200*	.2272124	.044	.013463	.961377
		Perlakuan 1	.8265600*	.2272124	.002	.352603	1.300517
		Perlakuan 2	.3539400	.2272124	.135	-.120017	.827897

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

AD 2 3

	Kelompok	N	Subset for alpha = 0.05 1	Subset for alpha = 0.05 2
Duncan[a]	Perlakuan 1	5	3.831960	
	Kontrol Positif	5	4.171100	4.171100
	Perlakuan 2	5	4.304580	4.304580
	Kontrol Negatif	5		4.533840
	Perlakuan 3	5		4.658520
	Sig.		.062	.061

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 5.000.

- **Uji Beda Berganda Post Hoc (LSD dan Duncan)**
  Pretest* dan *Posttest

Multiple Comparisons

Dependent Variable: AD 1 3

	(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
LSD	Kontrol Negatif	Kontrol Positif	.7040000*	.1972239	.002	.292598	1.115402
		Perlakuan 1	.7742600*	.1972239	.001	.362858	1.185662
		Perlakuan 2	.6676200*	.1972239	.003	.256218	1.079022
		Perlakuan 3	.3570600	.1972239	.085	-.054342	.768462
	Kontrol Positif	Kontrol Negatif	-.7040000*	.1972239	.002	-1.115402	-.292598
		Perlakuan 1	.0702600	.1972239	.725	-.341142	.481662
		Perlakuan 2	-.0363800	.1972239	.856	-.447782	.375022
		Perlakuan 3	-.3469400	.1972239	.094	-.758342	.064462
	Perlakuan 1	Kontrol Negatif	-.7742600*	.1972239	.001	-1.185662	-.362858
		Kontrol Positif	-.0702600	.1972239	.725	-.481662	.341142
		Perlakuan 2	-.1066400	.1972239	.595	-.518042	.304762
		Perlakuan 3	-.4172000*	.1972239	.047	-.828602	-.005798
	Perlakuan 2	Kontrol Negatif	-.6676200*	.1972239	.003	-1.079022	-.256218
		Kontrol Positif	.0363800	.1972239	.856	-.375022	.447782
		Perlakuan 1	.1066400	.1972239	.595	-.304762	.518042
		Perlakuan 3	-.3105600	.1972239	.131	-.721962	.100842
	Perlakuan 3	Kontrol Negatif	-.3570600	.1972239	.085	-.768462	.054342
		Kontrol Positif	.3469400	.1972239	.094	-.064462	.758342
		Perlakuan 1	.4172000*	.1972239	.047	.005798	.828602
		Perlakuan 2	.3105600	.1972239	.131	-.100842	.721962

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

AD 1 3

	Kelompok	N	Subset for alpha = 0.05 1	Subset for alpha = 0.05 2
Duncan[a]	Perlakuan 1	5	3.687360	
	Kontrol Positif	5	3.757620	
	Perlakuan 2	5	3.794000	
	Perlakuan 3	5	4.104560	4.104560
	Kontrol Negatif	5		4.461620
	Sig.		.065	.085

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 5.000.