

LAMPIRAN

Lampiran 1 Surat Izin Penelitian



POLITEKNIK 'AISYIYAH PONTIANAK

PROGRAM STUDI D.IV TEKNOLOGI LABORATORIUM MEDIS

Jl. Ampera No. 9 Telp. (0561) 6655112, 6655114 / Fax. (0561) 6655115

Website: <http://campus.pontia.ac.id> Email: aisyiyah.ptd@pontia.ac.id

SURAT IZIN PENELITIAN

Nomor : 61/II.3.AU/TLM/IV/2026

Yth.

Kepala Laboratorium Kesehatan Kota Pontianak di

-

Pontianak

2A2000001

Bismillahirrahmanirrahim Assalamu'alaikum

Wr. Wb.

Sehubungan dengan pelaksanaan skripsi mahasiswa Program Studi D.IV Teknologi Laboratorium Medis Politeknik 'Aisyiyah Pontianak, maka dengan ini kami mohon kesediaan Bapak/Ibu kiranya memberikan izin kepada mahasiswa/I kami untuk melakukan **penelitian bidang mikrobiologi** dilingkungan tempat kerja yang Bapak/Ibu pimpin. Adapun mahasiswa yang ingin melakukan yaitu :

NO	NIM	NAMA MAHASISWA
1	22031121	Egy Egiersa
2	22031142	Siti Patimah
3	22031119	Dimas priyono
4	22031116	Agus Susanto
5	22031128	Karina Azzahra

Demikianlah surat ini kami sampaikan, atas perhatian dan kerjasamanya kami ucapkan terima kasih.

Nasrun Minallahi Wafathun Qarieb

Wassalamu'alaikum Warrahmatullahi Wabarokaatuh

Pontianak, 23 April 2026

Ketua Program Studi
D-IV Teknologi Laboratorium Medik



Ariffaldi N. S.Tr.Kes., M.Kes

NIDN. 11-1312-9701

Lampiran 2 Sertifikat Determinasi

	KEMENTERIAN PENDIDIKAN TINGGI, SAINS, DAN TEKNOLOGI UNIVERSITAS TANJUNGPURA FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM LABORATORIUM BIOLOGI Jalan Prof. Dr. H. Hadari Nawawi, Pontianak 78124 Telp./Fax.: (0561) 577963 e-mail: info@fmipa.untan.ac.id
	Pontianak, 11 Mei 2026

Nomor	: 056/SHA/LAB-BIO/FMIPA/UNTAN/2026
Lampiran	: 1
Perihal	: Hasil Identifikasi Tumbuhan

Kepada Yth:
Dimas Priyono
Di
Tempat

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Dengan hormat,

Bersama ini kami sampaikan data hasil identifikasi tumbuhan, yang diterima pada:

Hari/ Tanggal	: 5 Mei 2026
Jumlah contoh	: 1 sampel
Jenis contoh	: Tumbuhan
Lokasi	: Sungai Rengas
Distribusi sampel	: -

Demikian kami sampaikan, atas perhatiannya diucapkan terima kasih.

Kepala Laboratorium Biologi
Fakultas MIPA Universitas Tanjungpura



Mukarlina, S.Si., M.Si.
NIP. 196804062000032001

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Tembusan:
Yth. Dekan FMIPA UNTAN sebagai laporan



KEMENTERIAN PENDIDIKAN TINGGI,
SAINS, DAN TEKNOLOGI
UNIVERSITAS TANJUNGPURA
FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM
LABORATORIUM BIOLOGI
Jalan Prof. Dr. H. Hadari Nawawi, Pontianak 78124
Telp./Fax.: (0561) 577963 e-mail: info@fmipa.untan.ac.id

Lampiran 1

Hasil Determinasi Tumbuhan

Nama Pengirim : Dimas Priyono
Jenis Sampel : Tumbuhan
Tanggal Terima : 5 Mei 2026

Klasifikasi:

Kingdom : *Plantae*
Divisi : *Tracheophyta*
Kelas : *Magnoliopsida*
Ordo : *Myrtales*
Famili : *Melastomaceae*
Genus : *Melastoma*
Spesies : *Melastoma malabathricum* Linn.

Nama Daerah : Senduduk; Senggani

Deskripsi :

Tinggi rata-rata 0,5–1(–5) m tetapi kadang-kadang dapat tumbuh hingga panjang 5 m. Batangnya bersisi 4, umumnya berbulu, ditutupi sisik kecil yang kasar, dan berwarna kemerahan. Cabang-cabangnya banyak, memanjang, tertutup rapat dengan sisik-sisik yang menonjol. Tangkai daun berukuran kira-kira 0,5–1,9 cm sedangkan daunnya berbentuk bulat telur, elips, atau elips-lanset, kaku tipis, urat sekunder 2 (atau 3) pada setiap sisi vena tengah, vena tersier banyak dan sejajar, pangkal membulat hingga subkordat, tepi rata seluruhnya, puncak runcing. Lobus kelopak berbentuk lanset hingga bulat telur-lanset, puncak runcing, di kedua sisi dan di sepanjang tepinya berbentuk skuamosa dan puber. Kelopak berwarna ungu kemerahan, 2-3(–4) cm, pinggirannya hanya bersilia, puncaknya membulat. Tumbuh dalam 5 sampai 10 tandan dan mempunyai 5 kelopak. Bunganya memiliki sepuluh benang sari dari dua jenis berbeda: lima benang sari besar dengan filamen kuning dan bagian atas melengkung ungu termasuk kepala sari dan lima benang sari kecil dengan filamen kuning dan lurus serta kepala sari kuning.

Daftar Pustaka:

- Backer, A and Van Den Brink, B., 1965, *Flora of Java (Spermatophytes Only)*, Volume I, N.V.P. The Netherlands, Noordhoff-Groningen.
- Catalogue of life. dalam <https://www.catalogueoflife.org/>, diakses pada 7 Mei 2026.
- Cronquist, A., 1981, *An Integrated System of Classification of Flowering Plants*, New York, Columbia University Press, 477.
- Hsuan Keng. 1969. *Orders and Families of Malayan Seed Plants: Synopsis of Orders and Families of Malayan Gymnosperms, Dicotyledons and Monocotyledons*. Kuala Lumpur: University of Malaya Press.

Lampiran 3 Sertifikat Keaslian Media Na

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Page 1 of 2

CERTIFICATE OF ANALYSIS

PRODUCT CM0003B
NUTRIENT AGAR 500g

LOT NUMBER 6324158

EXPIRY DATE 2030.10.31

DATE OF MANUFACTURE 2025.10.06

Delivery/Customer information

Date Printed
2025.10.20
Delivery No.

Customer
Customer Order Number

Physical Characteristics	Results		Specification	
Appearance	Straw powder		Straw powder	
Colour on reconstitution	Straw 2		Straw 1-2	
pH (25°C)	7.4		7.2 - 7.6	
Clarity	Clear		Clear	
Blood compatibility with horse blood	Satisfactory		Satisfactory	
Blood compatibility with sheep blood	Satisfactory		Satisfactory	
Thermophiles	Absent		Absent	
Microbiological Performance	Control cfu	Test cfu	Recovery Test %	Description
Aerobic incubation at 37°C for 24 hours				
<i>Staphylococcus aureus</i> ATCC®25923	71	55	77	White/straw cols
<i>Pseudomonas aeruginosa</i> ATCC®27853	62	58	94	Straw cols
Enriched with 7% v/v horse blood				
Aerobic incubation at 37°C for 24 hours				
<i>Streptococcus pyogenes</i> ATCC®19615	16	15	94	Colourless cols, β haemolysis
<i>Streptococcus pneumoniae</i> ATCC®6303	43	32	74	Grey/green cols, alpha haemolysis
<i>Streptococcus pneumoniae</i> ATCC®6305	28	31	111	Grey/green cols, alpha haemolysis
Enriched with 7% v/v horse blood				
Incubation in 5% CO₂ at 37°C for 24 hours				
<i>Haemophilus influenzae</i> ATCC®19418	49	47	96	Colourless cols
Testing has been performed in accordance with ISO1133:2014				
Aerobic incubation at 30 ± 2°C for 24 ± 2 hours				
<i>Y. enterocolitica</i> ATCC®23715 WDCM00160	93	99	106	Straw cols
<i>Y. enterocolitica</i> ATCC®9610 WDCM00038	104	89	86	Straw cols
Aerobic incubation at 37 ± 2°C for 24 ± 2 hours				
<i>E. coli</i> ATCC®25922 WDCM00013	54	63	117	Straw cols
<i>E. coli</i> ATCC®8739 WDCM00012	64	64	101	Straw cols
<i>S. typhimurium</i> ATCC®14028 WDCM 00031	102	102	100	Straw cols
<i>S. enteritidis</i> ATCC®13076 WDCM00030	65	67	104	Straw cols

Control Medium: Nutrient Agar

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Wade Road, Basingstoke, Hampshire RG24 8PW, England
www.ThermoFisher.com

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Lampiran 4 Sertifikat Keaslian Media MHA

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Page 1 of 3

CERTIFICATE OF ANALYSIS

PRODUCT CM0337B
MUELLER HINTON AGAR 500g

LOT NUMBER 6257624

EXPIRY DATE 2030.04.10

DATE OF MANUFACTURE 2025.04.11

Delivery/Customer information

Date Printed
2026.02.05
Delivery No.

Customer
Customer Order Number

Physical Characteristics	Results	Specification
Appearance	Straw powder	Straw powder
Colour on reconstitution	Straw 2-3	Straw 2-3
pH (25°C)	7.3	7.2 - 7.4
Clarity	Clear	Clear

Microbiological Performance

Antibiotic susceptibility tests are performed in accordance with, and meet the acceptance limits of, the current ISO/TS 16782. Performance is assessed using EUCAST methodology.

Staphylococcus aureus ATCC®25923 WDCM00034

Incubation at 35 ± 1°C for 16-20 hours in ambient air

	Zone Size (mm)	Limits (mm)
Erythromycin E15	27	22 - 30
Tetracycline TE30	27	24 - 30
Ciprofloxacin CIP5	25	22 - 30
Amoxicillin-clavulanate AMC30	33	28 - 36
Ampicillin-sulbactam SAM20	33	29 - 37
Linezolid LZD30	28	25 - 32
Cefoxitin FOX30	26	23 - 29
Gentamicin CN10	25	19 - 27
Penicillin P10	34	26 - 37

Staphylococcus aureus ATCC®29213 WDCM00131

Incubation at 35 ± 1°C for 16-20 hours in ambient air

	Zone Size (mm)	Limits (mm)
Penicillin P1	16	12 - 18
Cefoxitin FOX30	29	24 - 30
Ciprofloxacin CIP5	22	21 - 27
Erythromycin E15	27	23 - 29
Gentamicin CN10	22	19 - 25
Linezolid LZD10	24	21 - 27
Tetracycline TE30	24	23 - 31

OXOID LIMITED
Wade Road, Basingstoke, Hampshire RG24 8PW, England
www.ThermoFisher.com

Lampiran 5 Sertifikat Keaslian Bakteri *Escherichia Coli*



Thermo Fisher Scientific
Microbiology
12076 Santa Fe Trail Drive
Lenexa, KS 66215
800.255.6730
800.447.5761 fax
www.thermofisher.com

Certificate of Analysis - Certified Reference Material

thermo scientific

Thermo Scientific™ Trademark™
Product Number R4607050
Product Name E. coli ATCC 25922 PK/5
Lot Number 247546
Usage Decision Accepted (OK)
Expiration Date 2026-09-23

This product has been manufactured, processed and packaged in accordance with Quality Systems Regulation, 21 CFR Part 820. The results were derived from a representative sample of the batch and were obtained at the time of release. Refer to the enclosed product insert for instructions, intended use, hazard/safety requirements, and storage conditions.

Product Char Results

Purity	Demonstrates pure growth on applicable media
Viability	Recovered at acceptable level within test period
Passage	3 (Current preserved state)

SALINAN TERKENDALI
PT Agritama Sinergi Inovasi (AGAVI)

Microbiological testing	Results	Specification
>95% Identification on MicroSEQ	100	95 - 100
Microscopic Features	Pass	
>85% Identification on API 20E	Pass	
>85% Identification on RapID ONE	Pass	

These tests are performed in accordance with ISO 17025 guidelines. Thermo Fisher Scientific has determined each loop of this reference material to be sufficiently homogeneous for its intended use. Individual products are traceable to a recognized culture collection. Although the Vitek(TM) panel uses many conventional tests, the unique environment of the card, combined with the short incubation period, may produce results that differ from published results obtained by other methods

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Lampiran 6 Sertifikat Uji Fitokimia

**UPA PENGEMBANGAN TEKNOLOGI
DAN PRODUK UNGGULAN
POLITEKNIK NEGERI PONTIANAK**

Jl. Jenderal Ahmad Yani – Pontianak 78124, Kalimantan Barat
Telp : (0561) 736180, Faksimile : (0561) 740143, kotak Pos1286
Laman : www.polnep.ac.id

LABORATORIUM LPT/FR-7.8.2.2
SURAT KETERANGAN
NOMOR: 3833/DST/PL16 /DT.03/2026

Tanggal terbit: Pontianak, 06 Mei 2026

Kepada : Egy Egiersa
di -
Tempat

Menerangkan bahwa:

Nomor analisis : P.018/TP/2026

Parameter Uji : 1. Uji Fitokimia

Jenis contoh : 1. Ekstrak Buah Senggani

Kode/keterangan contoh : -

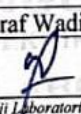
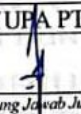
Telah selesai dilakukan pengujian Uji Fitokimia di Laboratorium Jurusan Teknologi Pertanian di lingkungan Politeknik Negeri Pontianak.

Demikian surat ini dibuat agar digunakan sebagaimana mestinya.

ASLI

Politeknik Negeri Pontianak
Direktur,


H. Widodo PS
NIP 197504242000031001

Paraf Wadir I	Paraf UPA PTPU
	

*Hasil Uji Laboratorium menjadi Tanggung Jawab Jurusan/Lab/Analisis



**LABORATORIUM JURUSAN
TEKNOLOGI PERTANIAN**
POLITEKNIK NEGERI PONTIANAK

Jl. Jenderal Ahmad Yani – Pontianak 78124, Kalimantan Barat
Telp : (0561) 736180, Faksimile : (0561) 740143, kotak Pos1286
Laman : www.polnep.ac.id

REKAMAN	ID. Dok.	: LPT/RK-7.8.2.1
	Revisi	: 00
Laporan Hasil Uji	Tanggal	: 02/01/2020
	Halaman	: 1 dari 1

LAPORAN HASIL UJI

Nomor Contoh Uji		: P. 018/TP/2026				
Tanggal Penerimaan		: 22-04-2026				
Tanggal Pengerjaan		: 23-04-2026				
Tanggal Selesai		: 24-04-2026				
Nama Pengguna Jasa		: Egy Egiersa				
Jenis Contoh Uji		: 1. Ekstrak Buah Senggani				
Petugas Pengambil contoh		: -				
No	Nomor Contoh	Parameter	Hasil Analisis	Baku Mutu	Satuan	Metode Analisis
1.	P.018/TP/2026	a. Fitokimia				
		• Alkaloid	Positif		+	Dragondroff
		• Flavonoid	Positif		+	Uji Shinoda
		• Saponin	Positif		+	Aquades Panas
		• Steroid	Positif		+	Salkowski
		• Tanin	Positif		+	FecI3

Catatan :
Dokumentasi pengujian

Mengetahui,
Ketua Jurusan Teknologi
Pertanian

Dody Radiansah

Memeriksa,
Kepala Lab.
Kimia/Biologi/Sensoris

Abdi Redha

Pontianak, 28 April 2026
Pengolah Data

Mawardi

Lampiran 7 Surat Data Penelitian

SURAT KETERANGAN VALIDASI DATA PENELITIAN

Yang bertanda tangan dibawah ini:

Nama : Dinasti Aprillia, S.T.Analis

NIP : 198704112010012006

Instansi : UPTD Laboratorium Kesehatan Kota Pontianak

Dengan ini menerangkan bahwa data penelitian milik:

Nama : Dimas Priyono

NIM : 22031119

Program Studi : DIV Teknologi Laboratorium Medis

Dengan judul penelitian:

“Uji Aktivitas Antibakteri Ekstrak Buah Senggani (*Melastoma malabathricum* L.) Terhadap Bakteri *Escherichia Coli*”

Telah dilakukan pengecekan dan verifikasi terhadap sumber data penelitian dan dinyatakan valid serta sesuai dengan data yang terdapat pada sumber data penelitian. Adapun rincian data penelitian tercantum pada lampiran yang merupakan bagian tidak terpisahkan dari surat keterangan ini. Demikian surat keterangan ini dibuat untuk digunakan sebagaimana mestinya.

Pontianak, 21 Mei 2026

Yang Menyetujui,



Dinasti Aprillia, S.T.Analis

NIP. 198704112010012006

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Lampiran 8 Analisis Data

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
diameter zona hambat	.277	36	.000	.735	36	.000

a. Lilliefors Significance Correction

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
diameter zona hambat	.277	36	.000	.735	36	.000

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

diameter zona hambat				
Levene Statistic	df1	df2	Sig.	
4.095	5	30	.006	

Kruskal-Wallis Test

Test Statistics^{a,b}

	diameter zona hambat
Chi-Square	34.235
df	5
Asymp. Sig.	.000

a. Kruskal Wallis Test

b. Grouping Variable: kelompok

Mann-Whitney Test

Ranks				
	kelompok	N	Mean Rank	Sum of Ranks
diameter zona hambat	20%	6	3.50	21.00
	40%	6	9.50	57.00
	Total	12		

Test Statistics^a

diameter zona hambat	
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.892
Asymp. Sig. (2-tailed)	.004
Exact Sig. [2*(1-tailed Sig.)]	.002 ^b

a. Grouping Variable: kelompok

b. Not corrected for ties.

Ranks				
	kelompok	N	Mean Rank	Sum of Ranks
diameter zona hambat	20%	6	3.50	21.00
	60%	6	9.50	57.00
	Total	12		

Test Statistics^a

diameter zona hambat	
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.892
Asymp. Sig. (2-tailed)	.004
Exact Sig. [2*(1-tailed Sig.)]	.002 ^b

a. Grouping Variable: kelompok

b. Not corrected for ties.

Ranks

	kelompok	N	Mean Rank	Sum of Ranks
diameter zona hambat	20%	6	3.50	21.00
	80%	6	9.50	57.00
	Total	12		

Test Statistics^a

diameter zona
hambat

Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.898
Asymp. Sig. (2-tailed)	.004
Exact Sig. [2*(1-tailed Sig.)]	.002 ^b

AKAAN

NPP. 6171052A2000001

a. Grouping Variable: kelompok

b. Not corrected for ties.

Ranks

	kelompok	N	Mean Rank	Sum of Ranks
diameter zona hambat	20%	6	3.50	21.00
	Cipro	6	9.50	57.00
	Total	12		

Test Statistics^a

diameter zona
hambat

Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.892
Asymp. Sig. (2-tailed)	.004
Exact Sig. [2*(1-tailed Sig.)]	.002 ^b

a. Grouping Variable: kelompok

b. Not corrected for ties.

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Ranks				
	kelompok	N	Mean Rank	Sum of Ranks
diameter zona hambat	20%	6	9.50	57.00
	dmso 10%	6	3.50	21.00
	Total	12		

Test Statistics^a

diameter zona hambat	
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-3.083
Asymp. Sig. (2-tailed)	.002
Exact Sig. [2*(1-tailed Sig.)]	.002 ^b

- a. Grouping Variable: kelompok
b. Not corrected for ties.

Ranks				
	kelompok	N	Mean Rank	Sum of Ranks
diameter zona hambat	40%	6	3.50	21.00
	60%	6	9.50	57.00
	Total	12		

Test Statistics^a

diameter zona hambat	
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.892
Asymp. Sig. (2-tailed)	.004
Exact Sig. [2*(1-tailed Sig.)]	.002 ^b

- a. Grouping Variable: kelompok
b. Not corrected for ties.

Ranks				
	kelompok	N	Mean Rank	Sum of Ranks
diameter zona hambat	40%	6	3.50	21.00
	80%	6	9.50	57.00
	Total	12		

Test Statistics^a

diameter zona hambat	
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.898
Asymp. Sig. (2-tailed)	.004
Exact Sig. [2*(1-tailed Sig.)]	.002 ^b

- a. Grouping Variable: kelompok
b. Not corrected for ties.

Ranks				
	kelompok	N	Mean Rank	Sum of Ranks
diameter zona hambat	40%	6	3.50	21.00
	cipro	6	9.50	57.00
	Total	12		

Test Statistics^a

diameter zona hambat	
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.892
Asymp. Sig. (2-tailed)	.004
Exact Sig. [2*(1-tailed Sig.)]	.002 ^b

- a. Grouping Variable: kelompok
b. Not corrected for ties.

Ranks				
	kelompok	N	Mean Rank	Sum of Ranks
diameter zona hambat	40%	6	9.50	57.00
	dms0 10%	6	3.50	21.00
	Total	12		

Test Statistics^a

diameter zona hambat	
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-3.083
Asymp. Sig. (2-tailed)	.002
Exact Sig. [2*(1-tailed Sig.)]	.002 ^b

a. Grouping Variable: kelompok

b. Not corrected for ties.

Ranks				
	kelompok	N	Mean Rank	Sum of Ranks
diameter zona hambat	60%	6	3.50	21.00
	80%	6	9.50	57.00
	Total	12		

Test Statistics^a

diameter zona hambat	
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.898
Asymp. Sig. (2-tailed)	.004
Exact Sig. [2*(1-tailed Sig.)]	.002 ^b

a. Grouping Variable: kelompok

b. Not corrected for ties.

Ranks

	kelompok	N	Mean Rank	Sum of Ranks
diameter zona hambat	60%	6	3.50	21.00
	cipro	6	9.50	57.00
	Total	12		

Test Statistics^a

diameter zona
hambat

Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.892
Asymp. Sig. (2-tailed)	.004
Exact Sig. [2*(1-tailed Sig.)]	.002 ^b

AKAAN

NPP. 6171052A2000001

a. Grouping Variable: kelompok

b. Not corrected for ties.

Ranks

	kelompok	N	Mean Rank	Sum of Ranks
diameter zona hambat	60%	6	9.50	57.00
	dms0 10%	6	3.50	21.00
	Total	12		

Test Statistics^a

diameter zona
hambat

Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-3.083
Asymp. Sig. (2-tailed)	.002
Exact Sig. [2*(1-tailed Sig.)]	.002 ^b

a. Grouping Variable: kelompok

b. Not corrected for ties.

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Ranks

	kelompok	N	Mean Rank	Sum of Ranks
diameter zona hambat	80%	6	3.50	21.00
	cipro	6	9.50	57.00
	Total	12		

Test Statistics^a

diameter zona
hambat

Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-2.898
Asymp. Sig. (2-tailed)	.004
Exact Sig. [2*(1-tailed Sig.)]	.002 ^b

AKAAN

NPP. 6171052A2000001

a. Grouping Variable: kelompok

b. Not corrected for ties.

Ranks

	kelompok	N	Mean Rank	Sum of Ranks
diameter zona hambat	80%	6	9.50	57.00
	dms0 10%	6	3.50	21.00
	Total	12		

Test Statistics^a

diameter zona
hambat

Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-3.089
Asymp. Sig. (2-tailed)	.002
Exact Sig. [2*(1-tailed Sig.)]	.002 ^b

a. Grouping Variable: kelompok

b. Not corrected for ties.

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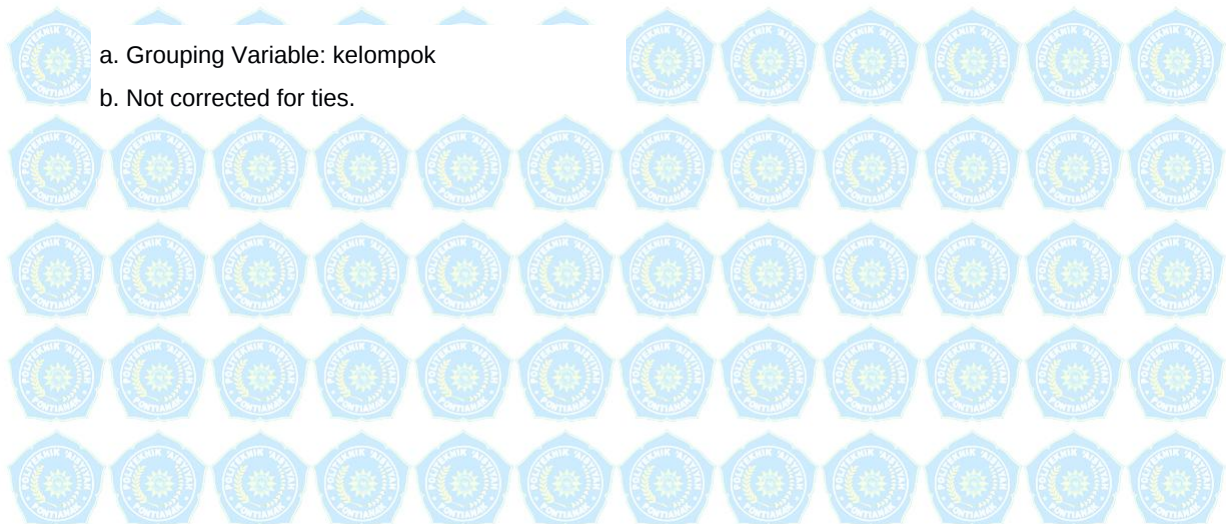
Ranks				
	kelompok	N	Mean Rank	Sum of Ranks
diameter zona hambat	cipro	6	9.50	57.00
	dms0 10%	6	3.50	21.00
	Total	12		

Test Statistics^a

diameter zona hambat	
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-3.083
Asymp. Sig. (2-tailed)	.002
Exact Sig. [2*(1-tailed Sig.)]	.002 ^b

AKAAN

NPP. 6171052A2000001



POLITEKNIK 'AISYIYAH PONTIANAK

a. Grouping Variable: kelompok

b. Not corrected for ties.

Lampiran 9 Uji Fitokimia



Tanin



Steroid



Saponin



Alkaloid



Flavonoid

Lampiran 10 Ekstrak Buah Senggani (*Melastoma malabathricum* L)

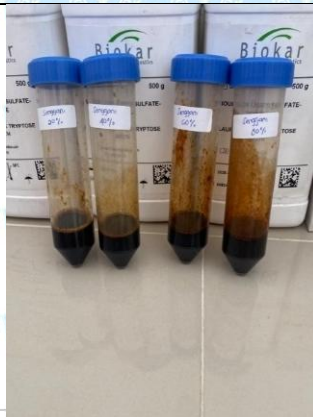


Simplisia



Pencampuran simplisia dengan etanol 96%

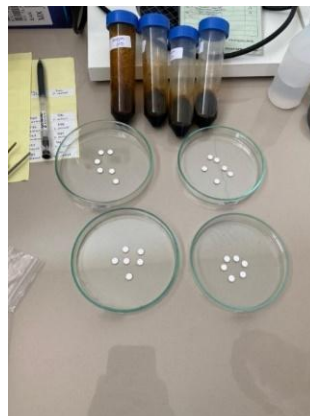
Lampiran 11 Bahan



Ekstrak per konsentrasi



Suspensi bakteri



Kertas cakram

Lampiran 12 Pembuatan Media Dan Goresan



Penimbangan media MHA



Pencampuran media MHA dengan aquades



Pemanasan media di hot plate



Penggoresan bakteri di media MHA

Lampiran 13 Alat



Neraca analitik



Autoclave



Inkubator

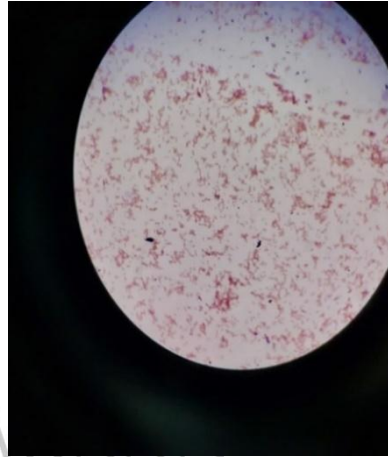


Petridish

Lampiran 14 Pewarnaan Gram



Pengambilan bakteri di media MHA



Lapang pandang bakteri



Penggoresan bakteri di kaca objek