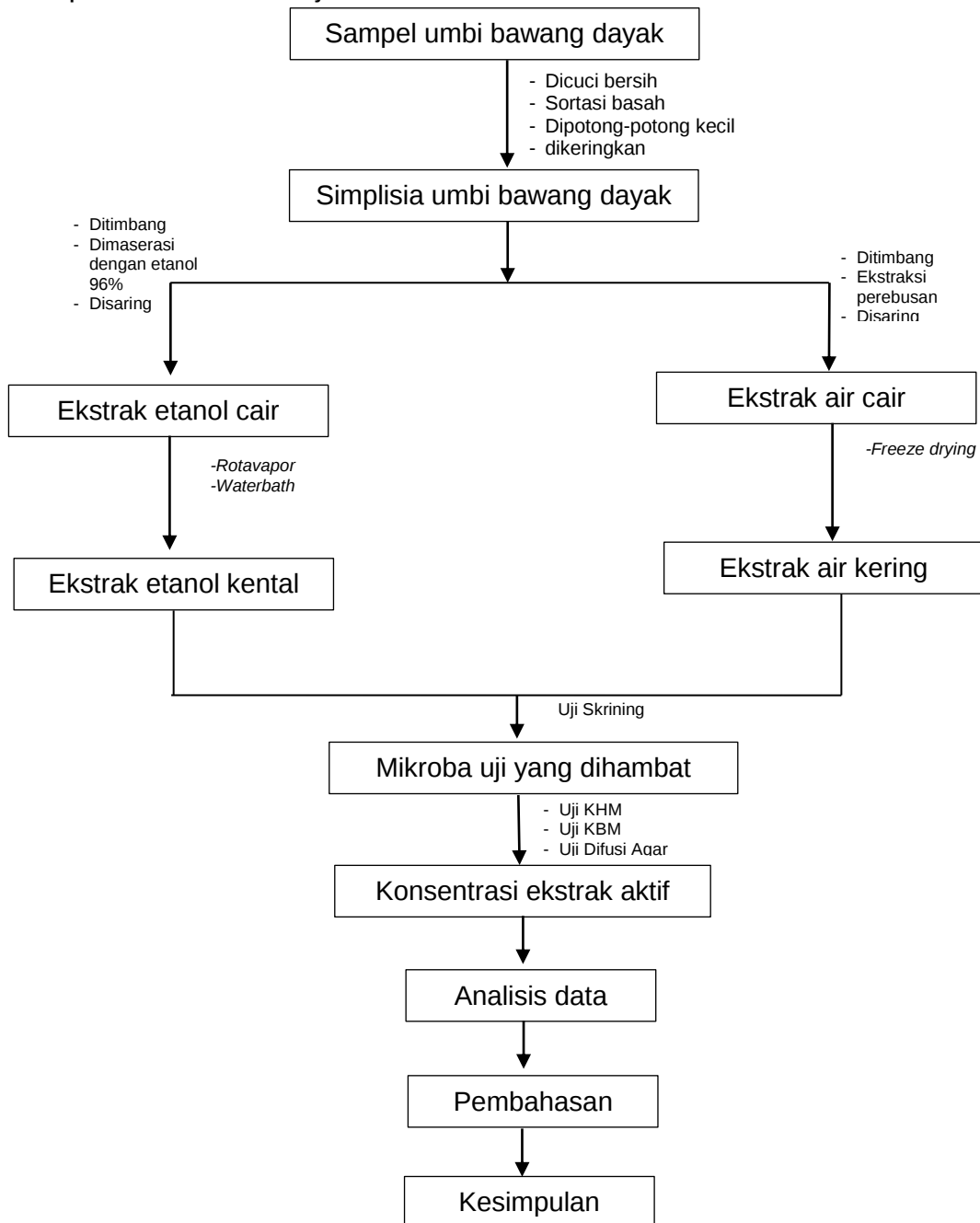


LAMPIRAN

Lampiran 1. Skema kerja



Gambar 4. Skema kerja penelitian perbandingan potensi antibakteri ekstrak air dan etanol umbi bawang dayak (*Eleutherine palmifolia* (L.) Merr.) terhadap bakteri penyebab infeksi kulit dengan metode difusi agar

Lampiran 2. Foto tanaman



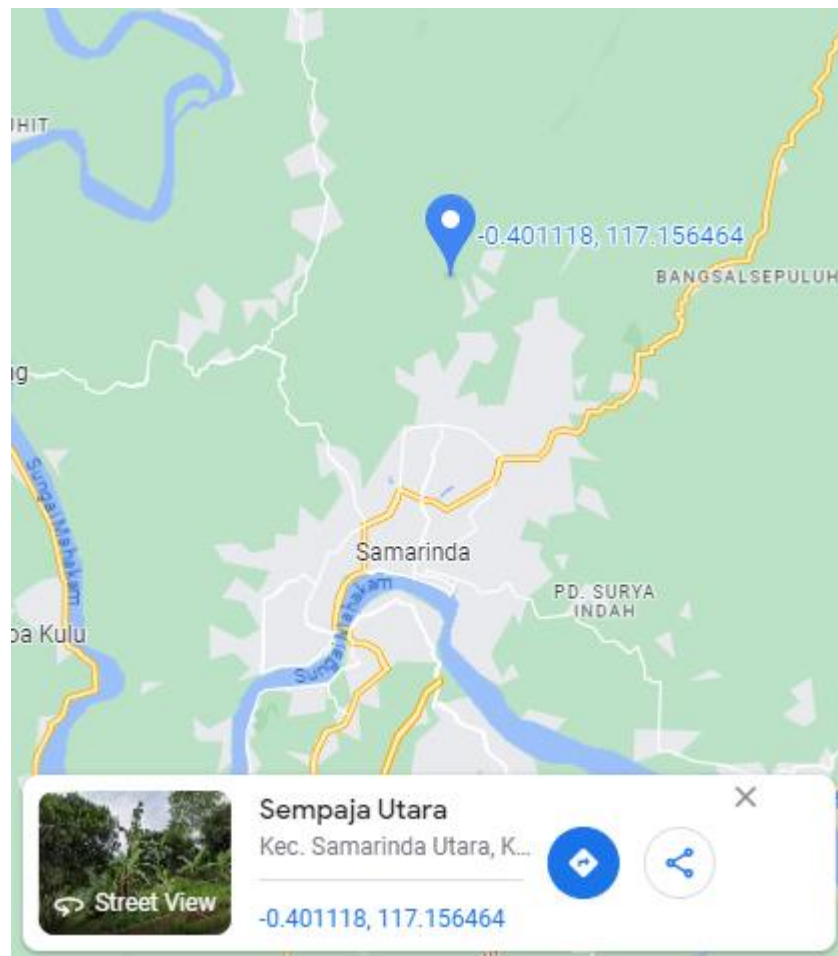
(a)



(b)

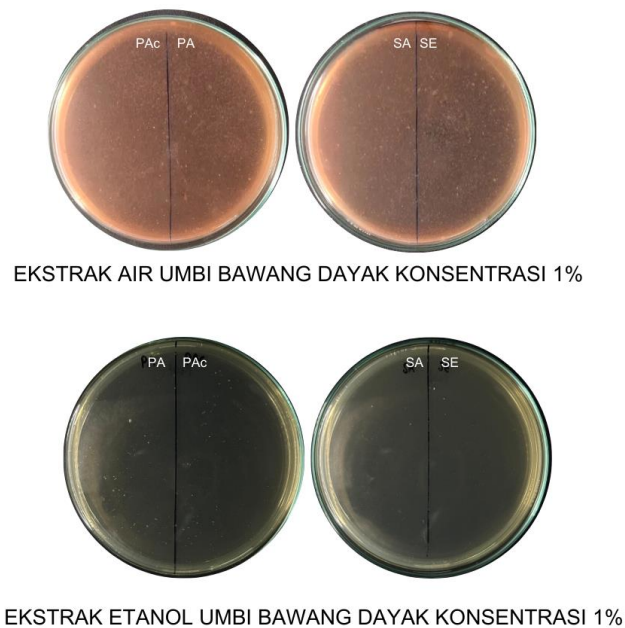
Gambar 5. Foto tanaman (a) tanaman bawang dayak,
(b) umbi bawang dayak

Lampiran 3. Lokasi Pengambilan Sampel



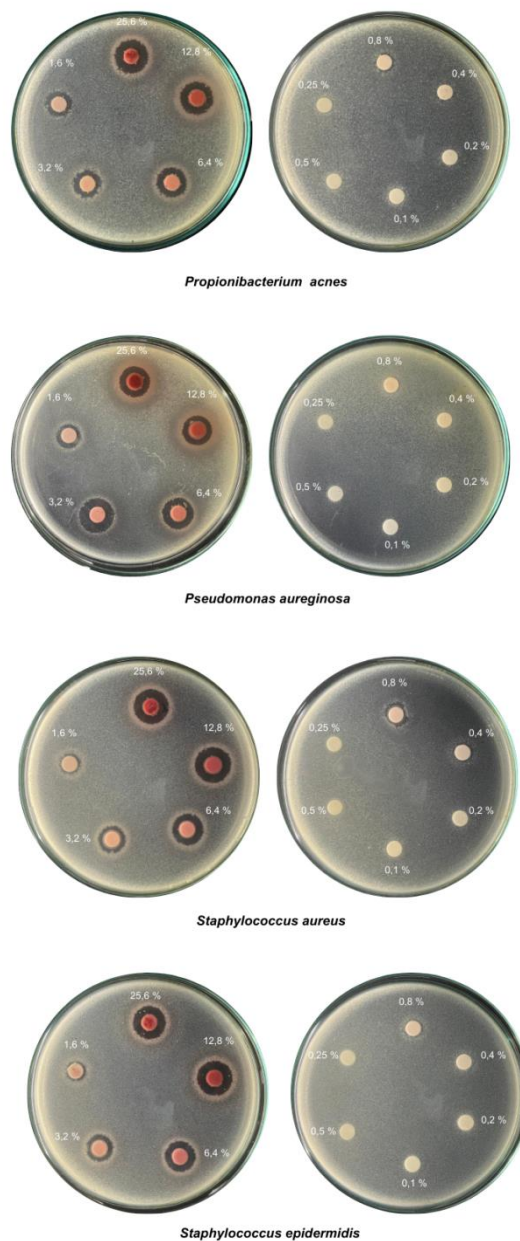
Gambar 6. Lokasi pengambilan sampel daerah Sempaja Utara Kec. Samarinda Utara, Kota Samarinda, Kalimantan Timur.

Lampiran 4. Foto hasil uji skrining ekstrak air dan etanol umbi bawang dayak

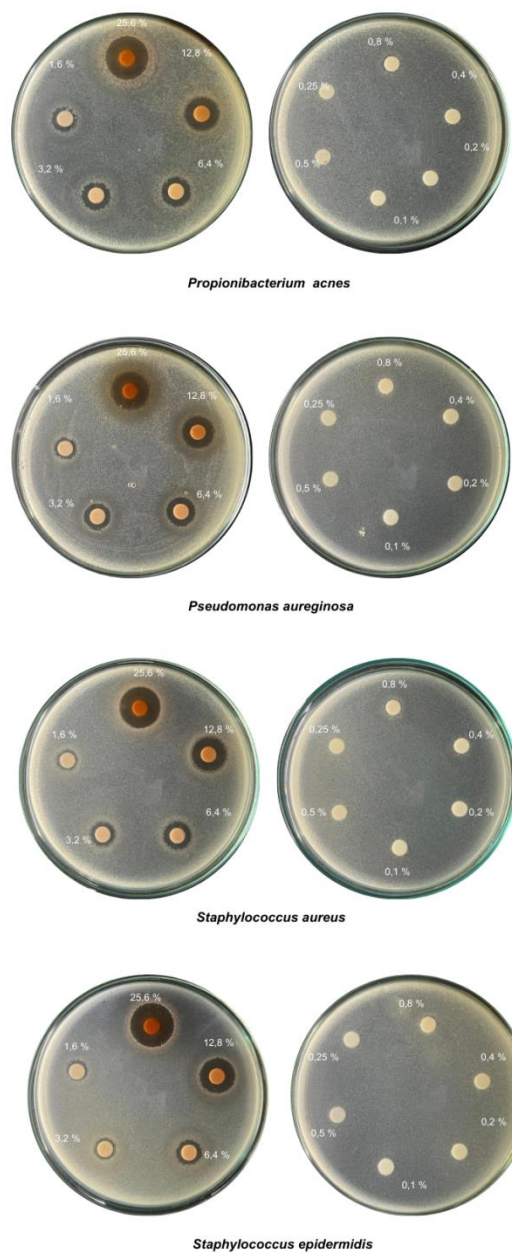


Gambar 7. Hasil uji skrining ekstrak air dan etanol umbi bawang dayak (*Eleutheria palmifolia* (L.) Merr.) terhadap bakteri uji *Propionibacterium acnes* (PAc), *Pseudomonas aureginosa* (PA), *Staphylococcus aureus* (SA), dan *Staphylococcus epidermidis* (SE)

Lampiran 5. Hasil uji Konsentrasi Hambat Minimum (KHM) ekstrak air dan etanol umbi bawang dayak

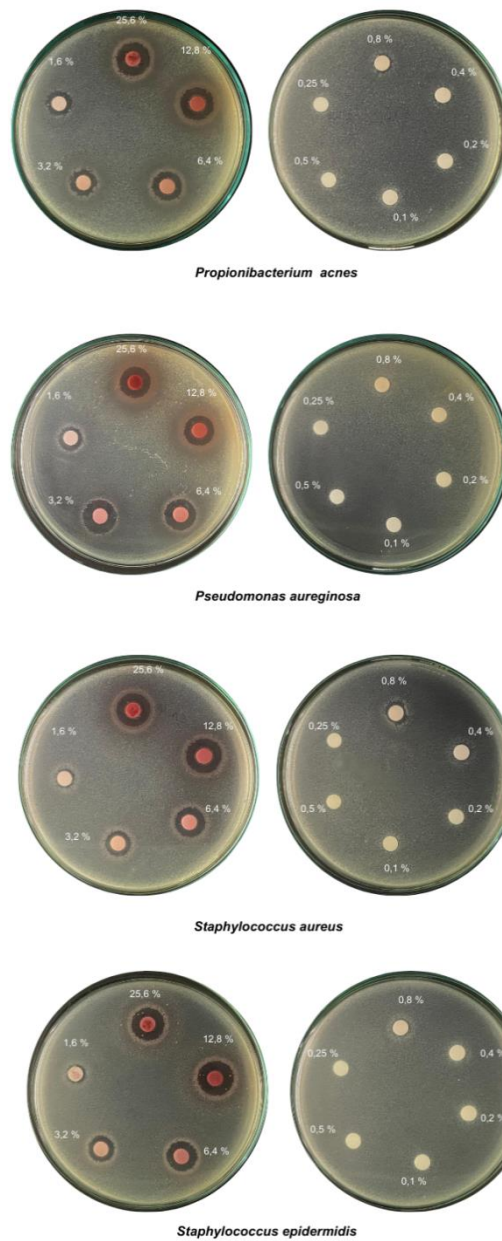


Gambar 8. Hasil uji KHM ekstrak air umbi bawang dayak (*Eleutherine palmifolia* L. (Merr) terhadap bakteri penyebab infeksi kulit

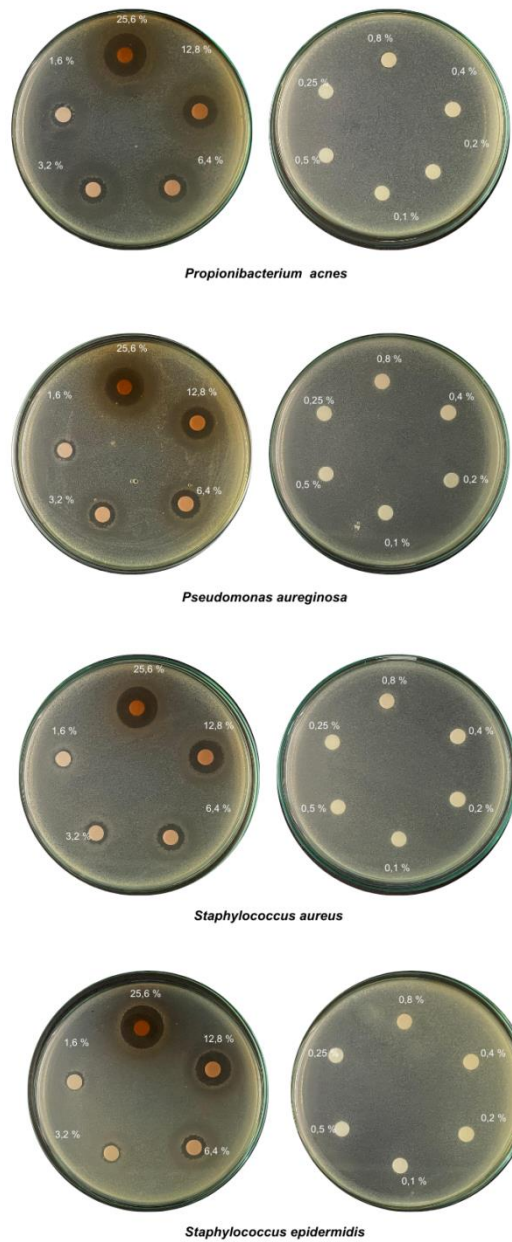


Gambar 9. Hasil uji KHM ekstrak etanol umbi bawang dayak (*Eleutherine palmifolia* L. (Merr) terhadap bakteri penyebab infeksi kulit

Lampiran 6. Hasil uji Konsentrasi Bunuh Minimum (KBM) ekstrak air dan etanol umbi bawang dayak

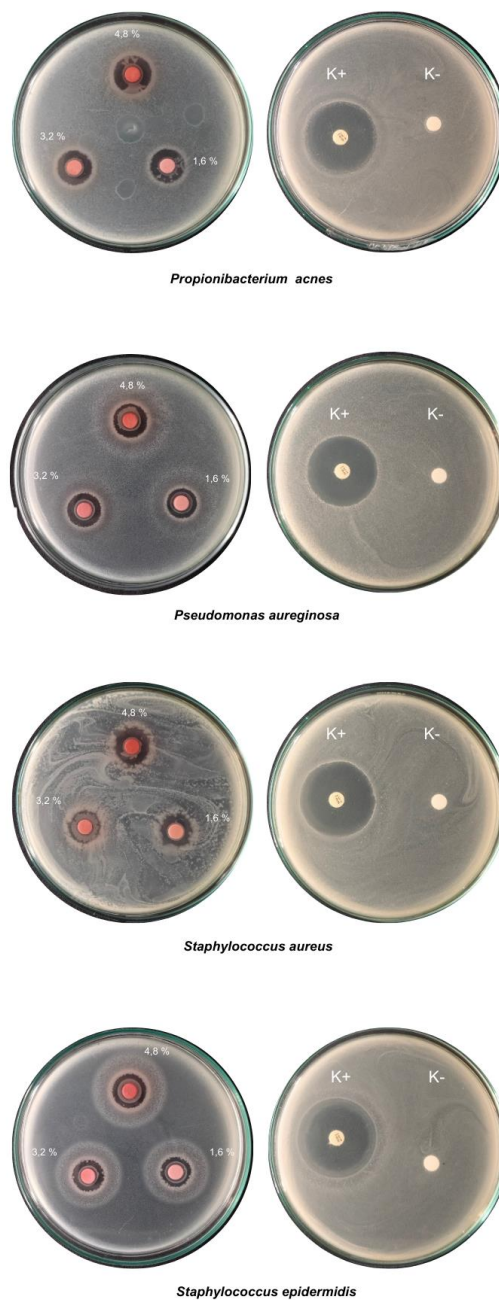


Gambar 10. Hasil uji KBM ekstrak air umbi bawang dayak (*Eleutherine palmifolia* L. (Merr) terhadap bakteri penyebab infeksi kulit

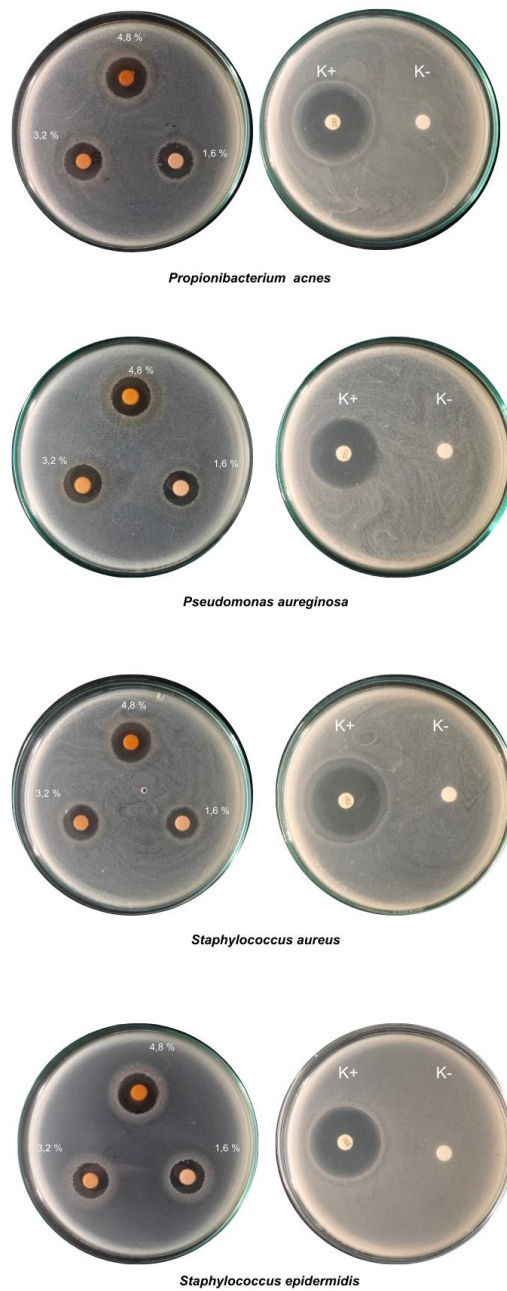


Gambar 11. Hasil uji KBM ekstrak etanol umbi bawang dayak (*Eleutherine palmifolia* L. (Merr) terhadap bakteri penyebab infeksi kulit

Lampiran 7. Hasil uji aktivitas antibakteri ekstrak air dan etanol umbi bawang dayak dengan metode difusi agar



Gambar 12. Hasil uji aktivitas antibakteri ekstrak etanol umbi bawang dayak dengan metode difusi agar (*Eleutherine palmifolia* L. (Merr) terhadap bakteri penyebab infeksi kulit



Gambar 13. Hasil uji aktivitas antibakteri ekstrak etanol umbi bawang dayak dengan metode difusi agar (*Eleutherine palmifolia* L. (Merr) terhadap bakteri penyebab infeksi kulit

Lampiran 8. Hasil uji statistik aktivitas antibakteri ekstrak air dan etanol umbi bawang dayak dengan metode difusi agar

	EA 1.6%	EA 3.2%	EA 4.8%	EE 1.6%	EE 3.2%	EE 4.8%	Kontrol +
Test for normal distribution							
Shapiro-Wilk test							
W	0,7456	0,7131	0,7252	0,7827	0,7131	0,7337	0,9600
P value	,018	,008	,011	,041	,008	,014	,820
Passed normality test (alpha=0.05)?	No	No	No	No	No	No	Yes
P value summary	*	**	*	*	**	*	ns
Test for lognormal distribution							
Shapiro-Wilk test							
W	0,7456	0,7131	0,7252	0,7827	0,7131	0,7337	0,9600
P value	,018	,008	,011	,041	,008	,014	,820
Passed lognormality test (alpha=0.05)?	No	No	No	No	No	No	Yes
P value summary	*	**	*	*	**	*	ns
Number of values	6	6	6	6	6	6	6
Impossible values in lognormal distributions							
Number of zeroes	0	0	0	0	0	0	0
Number of negative values	0	0	0	0	0	0	0

Ekstrak air

Table Analyzed	P, acne
Kruskal-Wallis test	
P value	<,001
Exact or approximate P value?	Approximate
P value summary	***
Do the medians vary signif. (P < 0.05)?	Yes
Number of groups	4
Kruskal-Wallis statistic	21,6
Data summary	
Number of treatments (columns)	4
Number of values (total)	24

Ekstrak etanol

Table Analyzed	P, acne
Kruskal-Wallis test	
P value	<,001
Exact or approximate P value?	Approximate
P value summary	***
Do the medians vary signif. (P < 0.05)?	Yes
Number of groups	4
Kruskal-Wallis statistic	21,7
Data summary	
Number of treatments (columns)	4
Number of values (total)	24

Table Analyzed	P, acne
Column D	EE 1,6%
vs.	vs,
Column A	EA 1,6%
Mann Whitney test	
P value	,002
Exact or approximate P value?	Exact
P value summary	**
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column A,D	57 , 21
Mann-Whitney U	0
Difference between medians	
Median of column A	21,34, n=6
Median of column D	13,28, n=6
Difference: Actual	-8,060
Difference: Hodges-Lehmann	-8,060

Table Analyzed	P, acne
Column E	EE 3,2%
vs.	vs,
Column B	EA 3,2%
Mann Whitney test	
P value	,002
Exact or approximate P value?	Exact
P value summary	**
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column B,E	57 , 21
Mann-Whitney U	0
Difference between medians	
Median of column B	24,22, n=6
Median of column E	13,67, n=6
Difference: Actual	-10,55
Difference: Hodges-Lehmann	-10,55

Table Analyzed	P, acne
Column F	EE 4,8%
vs.	vs,
Column C	EA 4,8%
Mann Whitney test	
P value	,002
Exact or approximate P value?	Exact
P value summary	**
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed

Sum of ranks in column C,F	57 , 21
Mann-Whitney U	0
Difference between medians	
Median of column C	25,43, n=6
Median of column F	14,87, n=6
Difference: Actual	-10,56
Difference: Hodges-Lehmann	-10,56

	EA 1.6%	EA 3.2%	EA 4.8%	EE 1.6%	EE 3.2%	EE 4.8%	Kontrol +
Test for normal distribution							
Shapiro-Wilk test							
W	0,6901	0,6893	0,6872	0,6879	0,7117	0,6881	0,8663
P value	,005	,005	,005	,005	,008	,005	,212
Passed normality test (alpha=0.05)?	No	No	No	No	No	No	Yes
P value summary	**	**	**	**	**	**	ns
Test for lognormal distribution							
Shapiro-Wilk test							
W	0,6900	0,6893	0,6872	0,6880	0,7118	0,6881	0,8663
P value	,005	,005	,005	,005	,008	,005	,212
Passed lognormality test (alpha=0.05)?	No	No	No	No	No	No	Yes
P value summary	**	**	**	**	**	**	ns
Number of values	6	6	6	6	6	6	6
Impossible values in lognormal distributions							
Number of zeroes	0	0	0	0	0	0	0
Number of negative values	0	0	0	0	0	0	0

Ekstrak air

Table Analyzed	P, aureginosa
Kruskal-Wallis test	
P value	<,001
Exact or approximate P value?	Approximate
P value summary	***
Do the medians vary signif. (P < 0.05)?	Yes
Number of groups	4
Kruskal-Wallis statistic	19,9
Data summary	
Number of treatments (columns)	4
Number of values (total)	24

Ekstrak etanol

Table Analyzed	P, aureginosa
Kruskal-Wallis test	
P value	<,001
Exact or approximate P value?	Approximate
P value summary	***

Do the medians vary signif. ($P < 0.05$)?	Yes
Number of groups	4
Kruskal-Wallis statistic	21,7
Data summary	
Number of treatments (columns)	4
Number of values (total)	24

Table Analyzed	P, aureginosa
Column D	EE 1,6%
vs.	vs,
Column A	EA 1,6%
Mann Whitney test	
P value	,160
Exact or approximate P value?	Exact
P value summary	ns
Significantly different ($P < 0.05$)?	No
One- or two-tailed P value?	Two-tailed
Sum of ranks in column A,D	30 , 48
Mann-Whitney U	9
Difference between medians	
Median of column A	21,28, n=6
Median of column D	22,41, n=6
Difference: Actual	1,135
Difference: Hodges-Lehmann	1,130

Table Analyzed	P, aureginosa
Column E	EE 3,2%
vs.	vs,
Column B	EA 3,2%
Mann Whitney test	
P value	,002
Exact or approximate P value?	Exact
P value summary	**
Significantly different ($P < 0.05$)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column B,E	21 , 57
Mann-Whitney U	0
Difference between medians	
Median of column B	22,58, n=6
Median of column E	24,32, n=6
Difference: Actual	1,745
Difference: Hodges-Lehmann	1,740

Table Analyzed	P, aureginosa
Column F	EE 4,8%
vs.	vs,
Column C	EA 4,8%
Mann Whitney test	

P value	,002
Exact or approximate P value?	Exact
P value summary	**
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column C,F	21 , 57
Mann-Whitney U	0
Difference between medians	
Median of column C	23,82, n=6
Median of column F	25,49, n=6
Difference: Actual	1,670
Difference: Hodges-Lehmann	1,670

	EA 1.6%	EA 3.2%	EA 4.8%	EE 1.6%	EE 3.2%	EE 4.8%	Kontrol +
Test for normal distribution							
Shapiro-Wilk test							
W	0,6837	0,7019	0,7029	0,7396	0,6977	0,8379	0,6857
P value	,004	,006	,007	,016	,006	,125	,004
Passed normality test (alpha=0.05)?	No	No	No	No	No	Yes	No
P value summary	**	**	**	*	**	ns	**
Test for lognormal distribution							
Shapiro-Wilk test							
W	0,6838	0,7020	0,7028	0,7401	0,6978	0,8380	0,6857
P value	,004	,006	,007	,016	,006	,125	,004
Passed lognormality test (alpha=0.05)?	No	No	No	No	No	Yes	No
P value summary	**	**	**	*	**	ns	**
Number of values	6	6	6	6	6	6	6
Impossible values in lognormal distributions							
Number of zeroes	0	0	0	0	0	0	0
Number of negative values	0	0	0	0	0	0	0

Ekstrak air

Table Analyzed	S, aureus
Kruskal-Wallis test	
P value	<,001
Exact or approximate P value?	Approximate
P value summary	***
Do the medians vary signif. (P < 0.05)?	Yes
Number of groups	4
Kruskal-Wallis statistic	21,7
Data summary	
Number of treatments (columns)	4
Number of values (total)	24

Ekstrak etanol

Table Analyzed	S, aureus
Kruskal-Wallis test	
P value	<,001
Exact or approximate P value?	Approximate
P value summary	***
Do the medians vary signif. (P < 0.05)?	Yes
Number of groups	4
Kruskal-Wallis statistic	19,2
Data summary	
Number of treatments (columns)	4
Number of values (total)	24

Table Analyzed	S, aureus
Column D	EE 1,6%
vs.	vs,
Column A	EA 1,6%
Mann Whitney test	
P value	>,999
Exact or approximate P value?	Exact
P value summary	ns
Significantly different (P < 0.05)?	No
One- or two-tailed P value?	Two-tailed
Sum of ranks in column A,D	39 , 39
Mann-Whitney U	18
Difference between medians	
Median of column A	15,51, n=6
Median of column D	13,38, n=6
Difference: Actual	-2,125
Difference: Hodges-Lehmann	-2,145

Table Analyzed	S, aureus
Column E	EE 3,2%
vs.	vs,
Column B	EA 3,2%
Mann Whitney test	
P value	,002
Exact or approximate P value?	Exact
P value summary	**
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column B,E	57 , 21
Mann-Whitney U	0
Difference between medians	
Median of column B	21,87, n=6
Median of column E	13,68, n=6
Difference: Actual	-8,190
Difference: Hodges-Lehmann	-8,185

Table Analyzed	S, aureus
Column F	EE 4,8%
vs.	vs,
Column C	EA 4,8%
Mann Whitney test	
P value	,002
Exact or approximate P value?	Exact
P value summary	**
Significantly different ($P < 0.05$)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column C,F	57 , 21
Mann-Whitney U	0
Difference between medians	
Median of column C	23,56, n=6
Median of column F	15,34, n=6
Difference: Actual	-8,220
Difference: Hodges-Lehmann	-8,225

	EA 1.6%	EA 3.2%	EA 4.8%	EE 1.6%	EE 3.2%	EE 4.8%	Kontrol +
Test for normal distribution							
Shapiro-Wilk test							
W	0,7072	0,7506	0,7024	0,6923	0,6939	0,7199	0,6991
P value	,007	,020	,007	,005	,005	,010	,006
Passed normality test ($\alpha=0.05$)?	No	No	No	No	No	No	No
P value summary	**	*	**	**	**	**	**
Test for lognormal distribution							
Shapiro-Wilk test							
W	0,7071	0,7507	0,7023	0,6923	0,6939	0,7199	0,6991
P value	,007	,020	,007	,005	,005	,010	,006
Passed lognormality test ($\alpha=0.05$)?	No	No	No	No	No	No	No
P value summary	**	*	**	**	**	**	**
Number of values	6	6	6	6	6	6	6
Impossible values in lognormal distributions							
Number of zeroes	0	0	0	0	0	0	0
Number of negative values	0	0	0	0	0	0	0

Ekstrak air

Table Analyzed	S, epidermidis
Kruskal-Wallis test	
P value	<,001
Exact or approximate P value?	Approximate
P value summary	***
Do the medians vary signif. ($P < 0.05$)?	Yes
Number of groups	4
Kruskal-Wallis statistic	21,7
Data summary	
Number of treatments (columns)	4
Number of values (total)	24

Ekstrak etanol

Table Analyzed	S, epidermidis
Kruskal-Wallis test	
P value	<,001
Exact or approximate P value?	Approximate
P value summary	***
Do the medians vary signif. (P < 0.05)?	Yes
Number of groups	4
Kruskal-Wallis statistic	21,7
Data summary	
Number of treatments (columns)	4
Number of values (total)	24

Table Analyzed	S, epidermidis
Column D	EE 1,6%
vs.	vs,
Column A	EA 1,6%
Mann Whitney test	
P value	,002
Exact or approximate P value?	Exact
P value summary	**
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column A,D	21 , 57
Mann-Whitney U	0
Difference between medians	
Median of column A	21,81, n=6
Median of column D	25,55, n=6
Difference: Actual	3,740
Difference: Hodges-Lehmann	3,740

Table Analyzed	S, epidermidis
Column E	EE 3,2%
vs.	vs,
Column B	EA 3,2%
Mann Whitney test	
P value	,002
Exact or approximate P value?	Exact
P value summary	**
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column B,E	21 , 57
Mann-Whitney U	0
Difference between medians	
Median of column B	23,61, n=6
Median of column E	28,01, n=6
Difference: Actual	4,400
Difference: Hodges-Lehmann	4,405

Table Analyzed	S, epidermidis
Column F	EE 4,8%
vs.	vs,
Column C	EA 4,8%
Mann Whitney test	
P value	,002
Exact or approximate P value?	Exact
P value summary	**
Significantly different ($P < 0.05$)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column C,F	21 , 57
Mann-Whitney U	0
Difference between medians	
Median of column C	24,68, n=6
Median of column F	30,05, n=6

Lampiran 9. Hasil determinasi umbi bawang dayak



YAYASAN WAKAF UMI
UNIT DETERMINASI TUMBUHAN
LABORATORIUM FARMAKOGNOSI-FITOKIMIA
FAKULTAS FARMASI
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 Gedung Laboratorium Fakultas Farmasi Lt 3
 Kampus II Universitas Muslim Indonesia Jl. Urip Sumiharjo KM 5 Makassar, Kode Pos 90132



2Nomor : 0080/C/UD-FF/UMI/XI/2023
 Lampiran : -
 Perihal : Hasil Determinasi Tumbuhan

Makassar, 28-11-2023

Kepada Yth:
 Bpk/Tbu/Sdr (i) apt. Rusli., S.Si, M.Si
 di
 Makassar

Bismillah, atas rahmat Allah SWT, bersama ini kami sampaikan hasil determinasi tumbuhan yang dikirimkan ke Unit Determinasi Tumbuhan Laboratorium Farmakognosi-Fitokimia Fakultas Farmasi Universitas Muslim Indonesia, atas :

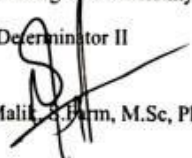
Nama : apt. Rusli., S.Si, M.Si
 Asal Institusi : Fakultas Farmasi- UMI
 Pekerjaan : Dosen
 Judul Penelitian : Uji Aktivitas Antibakteri Ekstrak Air Dan Etanol Umbi Bawang Dayak (*Eleutherine palmifolia* L. Merr) Terhadap Bakteri Penyebab Infeksi Saluran Pencernaan.

Adapun hasil determinasi sebagai berikut:

No.	Nomor Spesimen/ Nama kolektor	Nama Tumbuhan (nama Lokal)	Spesies	Suku
1	0080 /apt. Rusli., S.Si, M.Si	bawang dayak	<i>Eleutherine palmifolia</i> (L.) Merr.	Iridaceae

Demikian surat keterangan ini kami sampaikan untuk dipergunakan sebagaimana mestinya.


 Determinator I
 Dr.apt. Asni Amin., S.Si., M.Farm.


 Determinator II
 apt. Abd. Malik, S.Farm, M.Sc, Ph.D

Mengetahui

Kepala Labotarorium Farmakognosi-Fitokimia UMI


 (apt. Virsa Handayani., S.Farm., M.Farm)

Web <https://sites.google.com/view/lab-farmakognosi-fitokimia/beranda>
 Blog : fitokimiauml.wordpress.com