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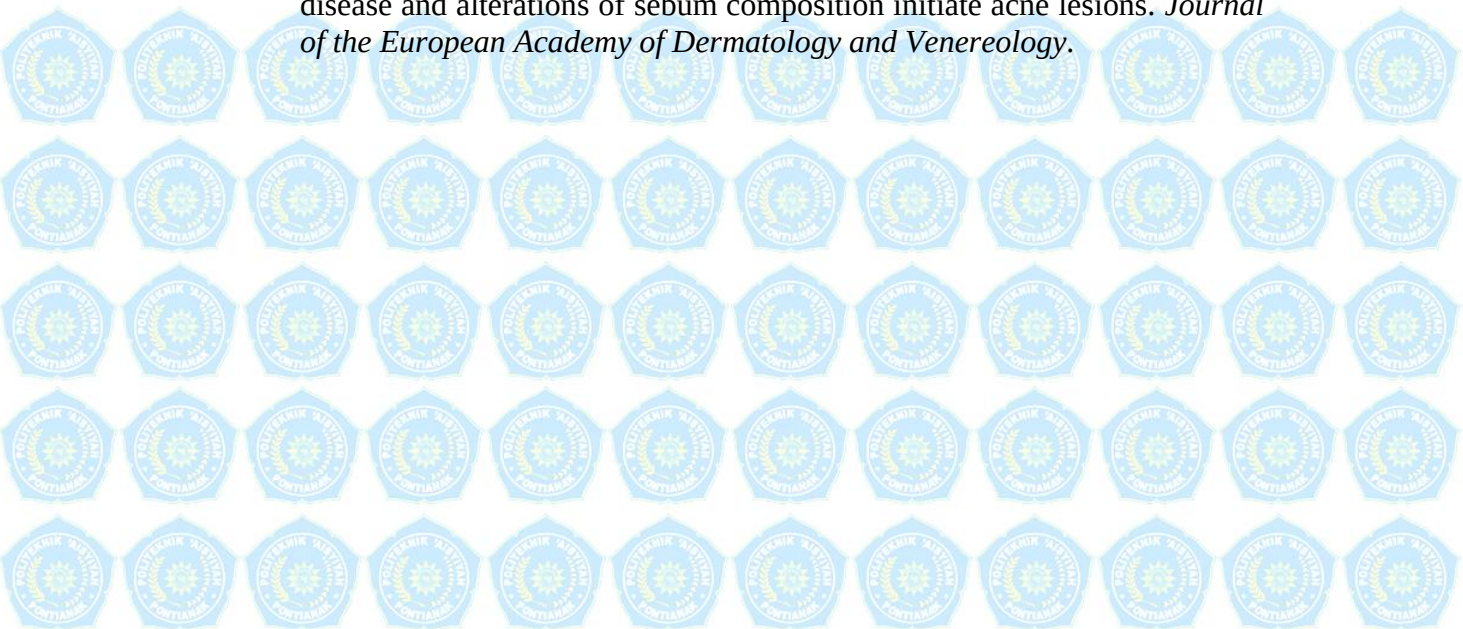
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POLITEKNIK 'AISYIYAH' PONTIANAK

Lampiran 1: Surat Izin Penelitian



POLITEKNIK AISYIYAH PONTIANAK

PROGRAM STUDI D-IV TEKNOLOGI LABORATORIUM MEDIS

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Website: <http://www.politeknikaipontianak.ac.id> Email : aisyiyah.pit@politeknikaipontianak.ac.id

SURAT IZIN PENELITIAN

Nomor : 78/113/AM/TEL.MF/VII/2026

Yth.
Direktur Politeknik Aisyiyah Pontianak

di -
Kabupaten

Assalamu'alaikum warahmatullahi wabarakatuh.

Sehubungan dengan pelaksanaan skripsi mahasiswa Program Studi D-IV Teknologi Laboratorium Medis Politeknik Aisyiyah Pontianak, maka dengan ini kami mohon kesediaan Bapak/Ibu untuk memberikan izin kepada mahasiswa kami untuk melakukan penelitian di lingkungan tempat kerja yang Bapak/Ibu pimpin. Adapun mahasiswa yang ingin melakukan yaitu :

Nama : Yulia Kusumawaty

NIM : RPL25032022

Program Studi : D-IV Teknologi Laboratorium Medis

Judul Skripsi : Uji Efektivitas Antibakteri Ekstrak Daun Pandan Wangi (*Pandanus amaryllidifolius* Roxb) Terhadap Pertumbuhan Bakteri *Enterobacteriaceae* Aerasi Dan *Staphylococcus Aureus*

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

Mawar Mawar Wafatham Qurie
Wassalamu'alaikum Warahmatullahi Wabarakatuh

Pontianak, 29 Juni 2026

Ketua Program Studi
D-IV Teknologi Laboratorium Medis


ARDIYANSYAH SETIAWAN
NIDK 11-1312-9781

Lampiran 2: Dokumentasi Hasil Uji Fitokimia Daun Pandan Wangi



Alkaloid
(+) positif endapan kuning



Flavonoid
(+) positif endapan jingga

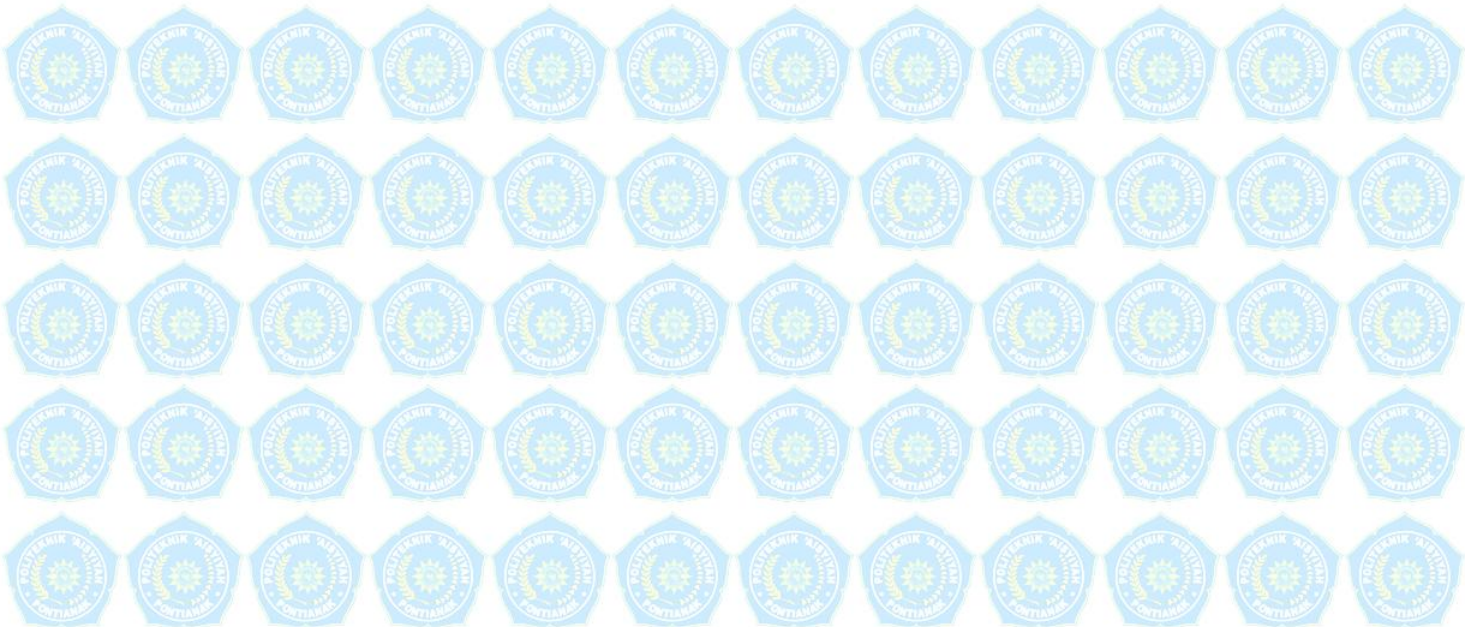


Saponin
(+) positif terbentuk busa



Tanin
(+) positif endapan hijau gelap

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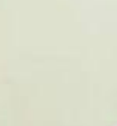


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Lampiran 3: Dokumentasi Pengamatan Zona Hambat



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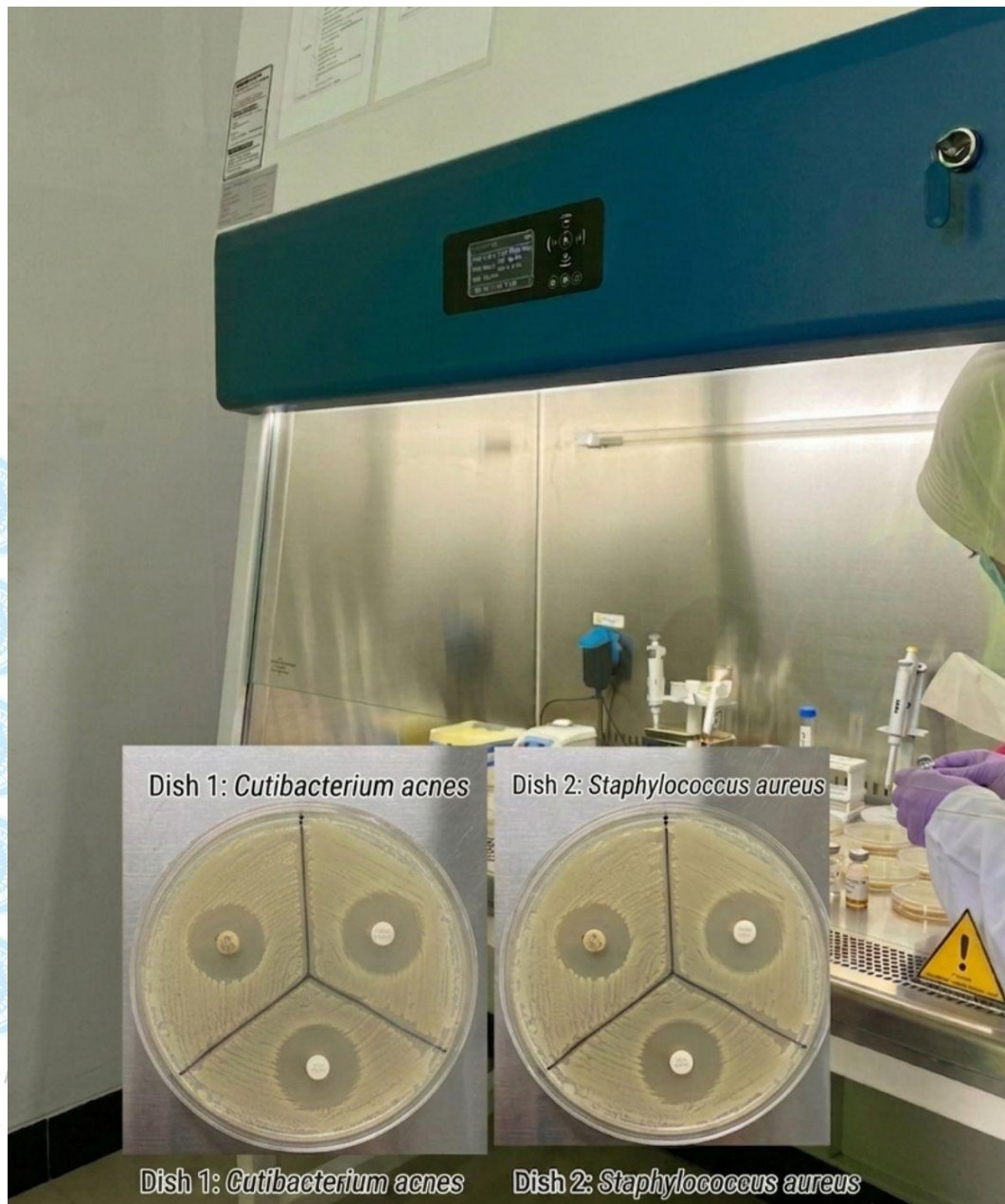


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Lampiran 4: Dokumentasi Pengamatan dan Pengukuran Zona Hambat



Lampiran 5: Dokumentasi Zona Hambat



a. Diameter Cutibacterium acnes

[illegible]

b. Diameter Staphylococcus aureus

IBM SPSS Statistics Data Editor

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Visible: 2 of 2 Variables

	Perfakuan	zona_hambatan	Var1	Var2	Var3	Var4	Var5	Var6	Var7	Var8	Var9	Var10	Var11	Var12	Var13	Var14	Var15	Var16
3	1	24.65																
4	1	25.90																
5	1	24.98																
6	2	.10																
7	2	.20																
8	2	.20																
9	2	.30																
10	2	.10																
11	3	4.10																
12	3	4.20																
13	3	5.70																
14	3	5.26																
15	3	5.08																
16	4	7.50																
17	4	8.25																
18	4	7.20																
19	4	8.65																
20	4	8.56																
21	5	10.35																
22	5	11.08																
23	5	12.71																
24	5	12.56																
25	5	13.08																

Data View Variable View

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c. Normalitas Cutibacterium acnes

Tests of Normality

	KelompokPerlakuan	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
DiameterzonaHambat	Kontrol Positif	.348	5	.047	.806	5	.091
	Kontrol Negatif	.231	5	.200 [*]	.881	5	.314
	Konsentrasi 25%	.257	5	.200 [*]	.899	5	.402
	Konsentrasi 50%	.218	5	.200 [*]	.970	5	.878
	Konsentrasi 75%	.164	5	.200 [*]	.946	5	.709

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

a. Lilliefors Significance Correction

d. Normalitas Staphylococcus aureus

Tests of Normality

	KelompokPerlakuan	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
DiameterzonaHambat	Kontrol Positif	.348	5	.047	.806	5	.091
	Kontrol Negatif	.231	5	.200 [*]	.881	5	.314
	Konsentrasi 25%	.232	5	.200 [*]	.903	5	.428
	Konsentrasi 50%	.232	5	.200 [*]	.883	5	.325
	Konsentrasi 75%	.296	5	.175	.879	5	.307

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

a. Lilliefors Significance Correction

e. Uji T Cutibacterium acnes

[DataSet3]

Group Statistics

		Jenis_bakteri	N	Mean	Std. Deviation	Std. Error Mean
Zona_Hambat	Acne		15	8.8300	2.83366	.73165
	Aureus		15	8.2853	3.10799	.80248

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
Zona_Hambat	Equal variances assumed	.108	.745	.502	28	.620	.54467	1.08595	-1.67980 2.76913
	Equal variances not assumed			.502	27.764	.620	.54467	1.08595	-1.68065 2.76998

f. Anova Test Cutibacterium acnes

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
DiameterzonaHambat	Based on Mean	2.815	4	20	.053
	Based on Median	1.056	4	20	.404
	Based on Median and with adjusted df	1.056	4	6.141	.451
	Based on trimmed mean	2.330	4	20	.091

ANOVA

DiameterzonaHambat

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1654.490	4	413.622	566.362	.000
Within Groups	14.606	20	.730		
Total	1669.096	24			

2A2000001

g. Anova Test Staphylococcus aureus

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
DiameterzonaHambat	Based on Mean	3.179	4	20	.036
	Based on Median	.962	4	20	.450
	Based on Median and with adjusted df	.962	4	8.907	.473
	Based on trimmed mean	2.701	4	20	.060

ANOVA

DiameterzonaHambat

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1696.966	4	424.241	434.509	.000
Within Groups	19.527	20	.976		
Total	1716.493	24			

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