

Lampiran

Lampiran 1. Determinasi Sampel



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SEKOLAH ILMU DAN TEKNOLOGI HAYATI

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Nomor : 8365/IT1.C11.2/TA.00/2024
Hal : Determinasi tumbuhan

18 November 2024

Yth. Dekan
Fakultas Farmasi
Universitas Bhakti Kencana
Jalan Soekarno Hatta No. 754
Bandung

Memperhatikan permintaan Saudara dalam surat No. 0794/03.S1-FF/UBK/XI/2024 tanggal 07 November 2024 mengenai determinasi tumbuhan, dengan ini kami sampaikan bahwa setelah dilakukan pendeterminasian oleh staf kami, sampel tumbuhan yang dikirim oleh Sdr. Yuni Septiani (NPM: 231FF04023), yaitu:

No	Nama sampel	Hasil determinasi	Famili
1.	Daun kari	<i>Bergera koenigii</i> L.	Rutaceae

Referensi:

1. Backer C. A., Bakhuizen van den Brink, R. C. (1965). *Flora of Java. Vol II*. N.V.P. Noordhoff.
2. Esser, H.-J. (2021). Taxonomic notes on the Rutaceae of Thailand. *Thai Forest Bulletin (Botany)* 49: 27-31.
3. POWO (2024). "Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. Published on the Internet; <https://powo.science.kew.org/taxon/774433-1> Retrieved 18 November 2024."

Demikian yang kami sampaikan. Atas perhatian dan kerjasama yang diberikan, kami ucapkan terima kasih.



Wakil Dekan Bidang Sumber Daya,

Angga Dwiartama, S.Si., M.Si., Ph.D.
NIP. 198302052012121002

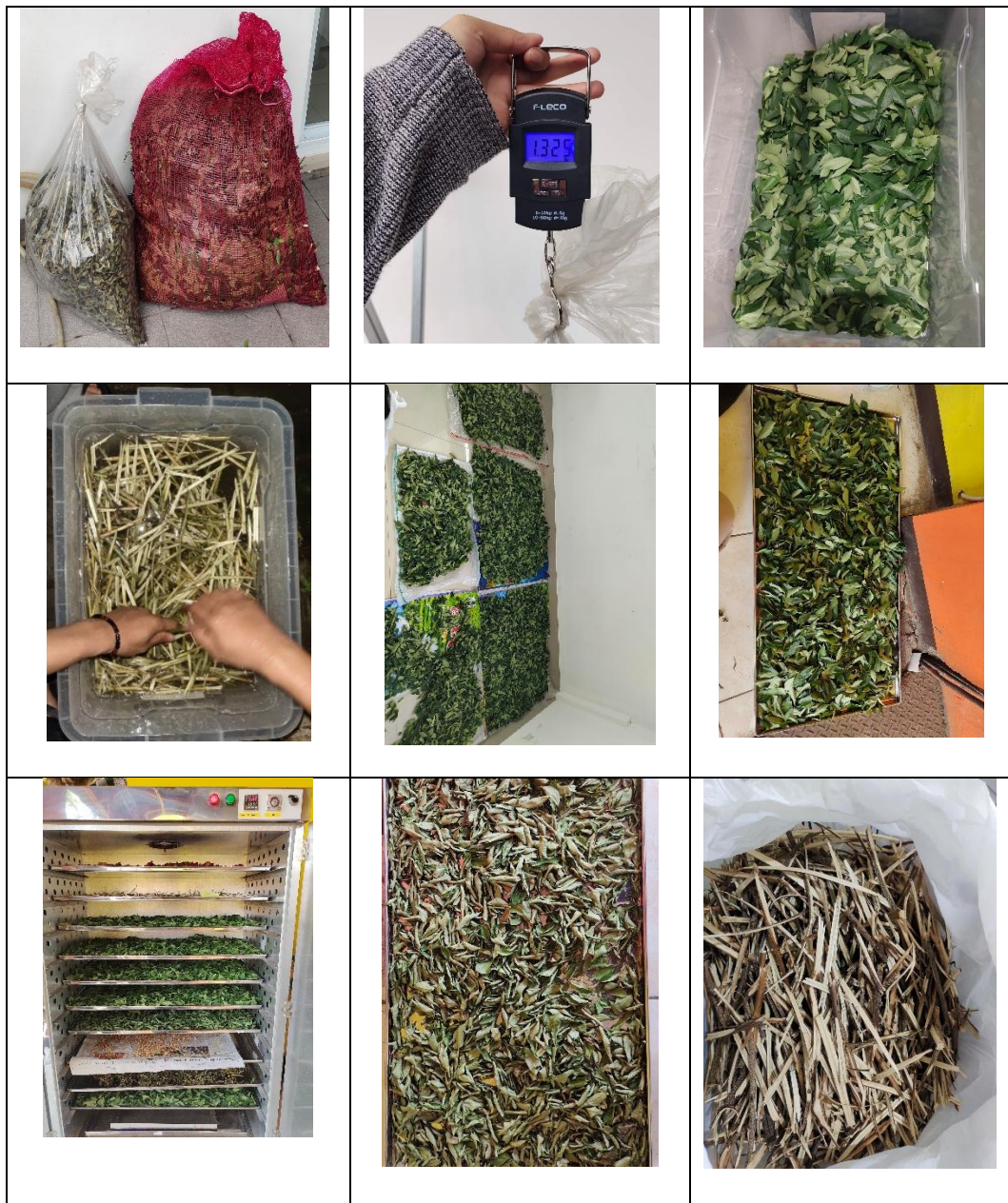
Tembusan:

1. Dekan SITH ITB

Terakreditasi oleh:

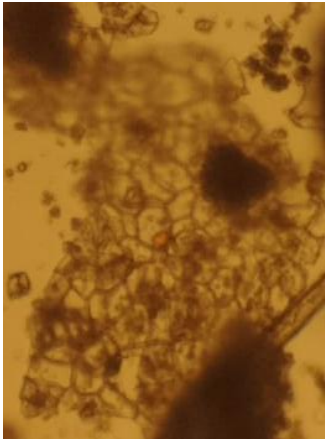
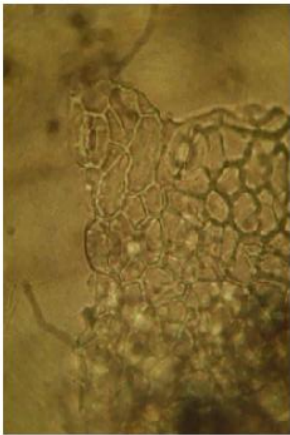
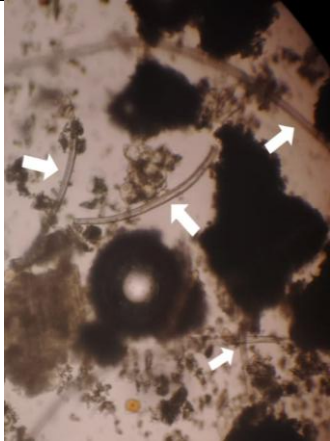


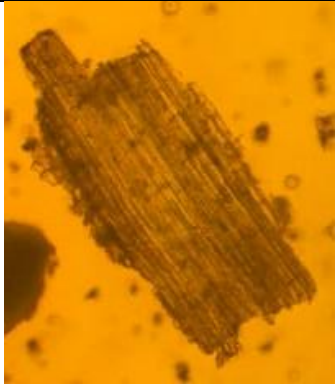
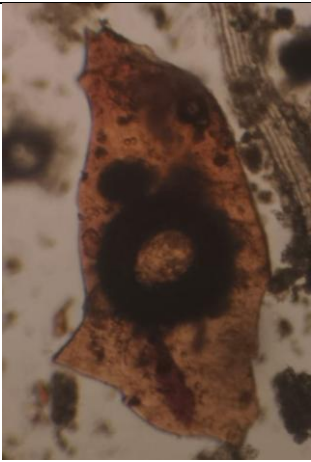
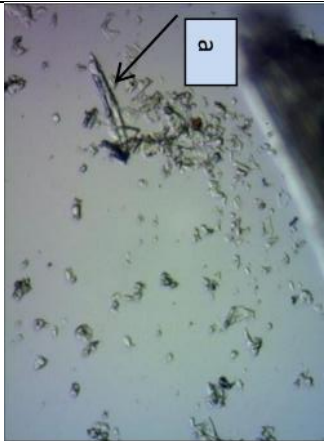
Lampiran 2. Proses Persiapan Sampel

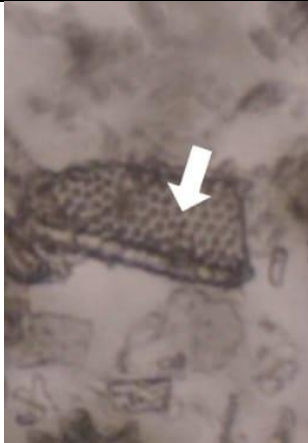
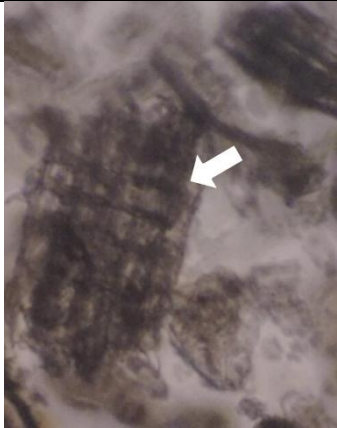
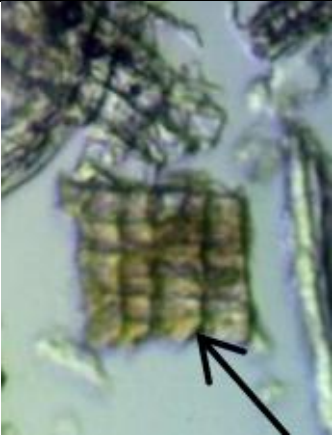


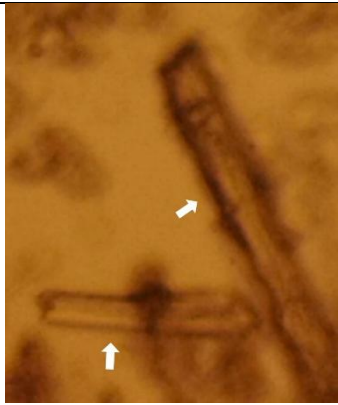
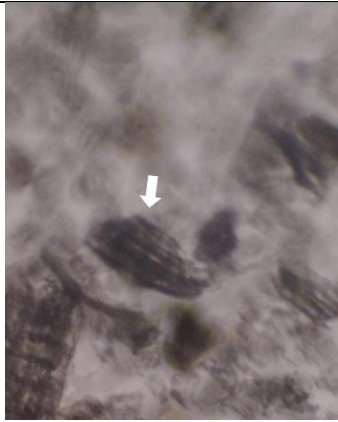
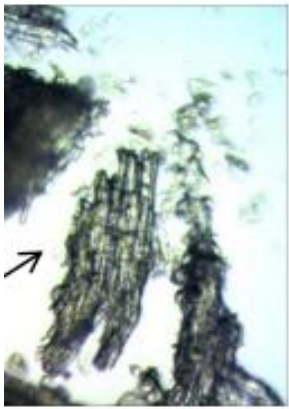
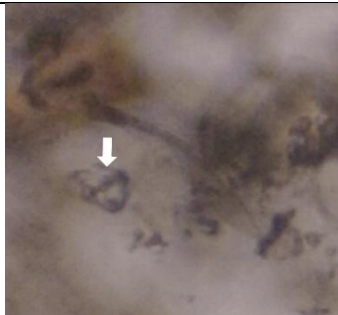


Lampiran 3. Hasil Mikroskopik Serbuk Daun dan Batang Kari

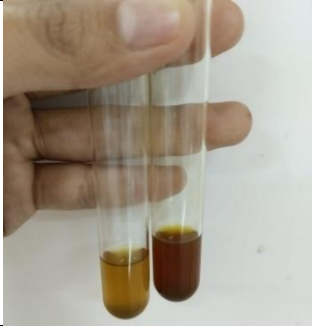
Sampel	Hasil Mikroskop	Referensi	Keterangan
Daun			Sel Epidermal bawah dengan stomata
		 (Farheen et al., 2025)	Trikoma

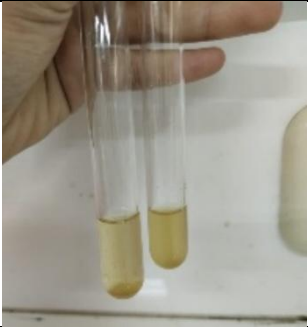
			Sklerenkim
			Sel Minyak
Batang			Serabut Sklerenkim

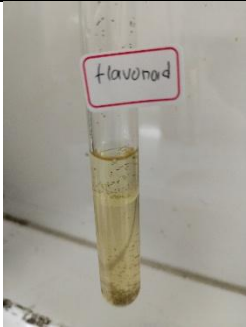
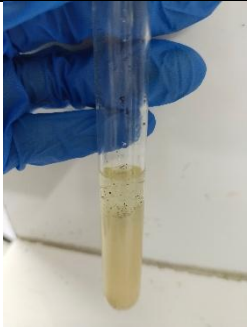
			Parenkim
			Epidermis bawah (stomata)
			Amilum

			Serabut xylem
			Berkas pengangkut
			Kristal kalsium oksalat bentuk roset
(Noviyanti et al., 2023)			

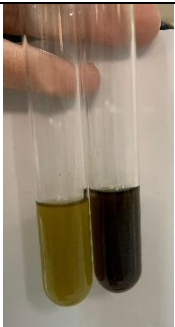
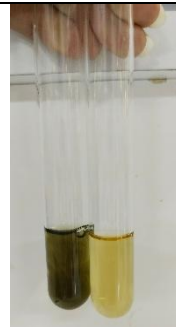
Lampiran 4. Hasil Skrining Sampel

Alkaloid Daun		
		
Dragendrof	Mayer	Wagner

Alkaloid Batang		
		
Dragendrof	Mayer	Wagner

		
Flavonoid Daun	Flavonoid Batang	Saponin Daun

		
Saponin Batang	Kuion Daun	Kuion Batang

Tanin			
			
Tanin FeCl	Tanin Galat	Tanin FeCl	Tanin Galat
Daun	Daun	Batang	Batang

Steroid/Triterpenoid	
	
Daun	Batang

Lampiran 5. Perhitungan Hasil Rendemen Ekstran Daun dan Batang Kari

No	Sampel	Berat Cawan + Ekstrak (gram)	Berat Cawan (gram)	Berat Ekstrak (gram)	%Rendamen
1	Daun n-heksana	102,07	93,48	8,59	8,59
2	Daun Etil Asetat	108,87	106,53	2,34	2,34
3	Daun Etanol 96%	114,86	108,65	6,21	6,21
4	Batang n-heksana	110,85	109,40	1,44	1,44
5	Batang Etil Asetat	100,39	99,87	0,52	0,52
6	Batang Etanol 96%	112,36	111,25	1,10	1,10

Rumus

$$\text{Rendemen} = \frac{\text{Bobot Ekstrak}}{\text{Bobot Simplisia}} \times 100\%$$

- Daun n-heksana
 $\frac{8,594}{100} \times 100\% = 8,594\%$
- Daun etil asetat
 $\frac{2,343}{100} \times 100\% = 2,343\%$
- Daun etil asetat
 $\frac{6,209}{100} \times 100\% = 6,209\%$
- Batang n-heksana
 $\frac{1,445}{100} \times 100\% = 1,445\%$
- Batang etil asetat
 $\frac{0,525}{100} \times 100\% = 0,525\%$
- Batang etil asetat
 $\frac{1,104}{100} \times 100\% = 1,104\%$

Lampiran 6. Hasil Perhitungan Uji Karakterisasi Daun dan Batang Kari

1. Kadar Air

a. Daun

No	Hasil		Pengurangan	(%)	SD
	n1	n0			
1.	2,2	2	0,2	4	1,15
2.	2,3	2	0,3	6	
3.	2,2	2	0,2	4	
Rata-rata				5,3333	

Rumus

$$\% \text{ Kadar Air} = \frac{\text{Volume akhir}}{\text{Berat simplisia yang ditimbang}} \times 100\%$$

• Replikasi 1

$$\begin{aligned} \%(v/b) \text{ kadar air} &= \frac{100 (n1 - n0)}{w} \\ &= \frac{100 (2,2 - 2)}{5} = 4\% \end{aligned}$$

• Replikasi 2

$$\begin{aligned} \%(v/b) \text{ kadar air} &= \frac{100 (n1 - n0)}{w} \\ &= \frac{100 (2,3 - 2)}{5} = 6\% \end{aligned}$$

- Replikasi 3

$$\begin{aligned}\%(\text{v/b}) \text{ kadar air} &= \frac{100 (n_1 - n_0)}{w} \\ &= \frac{100 (2,2 - 2)}{5} = 4\%\end{aligned}$$

- b. Batang

No	Hasil		Pengurangan	(%)	SD
	n1	n0			
1.	2,1	2	0,1	2	1,15
2.	2,2	2	0,2	4	
3.	2,2	2	0,2	4	
Rata-rata				3,3333	

- Replikasi 1

$$\begin{aligned}\%(\text{v/b}) \text{ kadar air} &= \frac{100 (n_1 - n_0)}{w} \\ &= \frac{100 (2,1 - 2)}{5} = 2\%\end{aligned}$$

- Replikasi 2

$$\begin{aligned}\%(\text{v/b}) \text{ kadar air} &= \frac{100 (n_1 - n_0)}{w} \\ &= \frac{100 (2,2 - 2)}{5} = 4\%\end{aligned}$$

- Replikasi 3

$$\begin{aligned}\%(\text{v/b}) \text{ kadar air} &= \frac{100 (n_1 - n_0)}{w} \\ &= \frac{100 (2,2 - 2)}{5} = 4\%\end{aligned}$$

2. Susut Pengeringan

a. Daun

No	Hasil (%)	SD
1.	6,914	0,09
2.	6,907	
3.	7,071	
Rata-rata	6,964	

b. Batang

No	Hasil (%)	SD
1.	4,616	0,10
2.	4,714	
3.	4,819	
Rata-rata	4,716	

3. Kadar Abu total

Rumus

$$\text{kadar abu total} = \frac{\text{Bobot abu sisa pijar}}{\text{Bobot simplisia}} \times 100\%$$

a. Daun

No	Berat krus (gram)	Berat krus + abu (gram)	Pengurangan (gram)	Hasil (%)	Standar Deviasi
1.	76,19	76,58	0,39	7,8	0,30
2.	76,49	76,85	0,36	7,2	
3.	68,69	69,06	0,37	7,4	
Rata-rata				7,47	

• Replikasi 1

$$kadar\ abu\ total = \frac{Bobot\ abu\ sisa\ pijar}{Bobot\ simplisia} \times 100\%$$

$$\frac{0,39}{5} \times 100\% = 7,8\%$$

• Replikasi 2

$$kadar\ abu\ total = \frac{Bobot\ abu\ sisa\ pijar}{Bobot\ simplisia} \times 100\%$$

$$\frac{0,36}{5} \times 100\% = 7,2\%$$

• Replikasi 2

$$kadar\ abu\ total = \frac{Bobot\ abu\ sisa\ pijar}{Bobot\ simplisia} \times 100\%$$

$$\frac{0,37}{5} \times 100\% = 7,4\%$$

b. Batang

No	Berat krus (gram)	Berat krus + abu (gram)	pengurangan (gram)	Hasil (%)	Standar Deviasi
1.	76,55	76,89	0,34	6,8	0,30
2.	76,09	76,40	0,31	6,2	
3.	70,85	71,17	0,32	6,4	
Rata-rata				6,47	

• Replikasi 1

$$kadar\ abu\ total = \frac{Bobot\ abu\ sisa\ pijar}{Bobot\ simplisia} \times 100\%$$

$$\frac{0,34}{5} \times 100\% = 6,8\%$$

- Replikasi 2

$$\text{kadar abu total} = \frac{\text{Bobot abu sisa pijar}}{\text{Bobot simplisia}} \times 100\%$$

$$\frac{0,31}{5} \times 100\% = 6,2\%$$

- Replikasi 2

$$\text{kadar abu total} = \frac{\text{Bobot abu sisa pijar}}{\text{Bobot simplisia}} \times 100\%$$

$$\frac{0,32}{5} \times 100\% = 6,4\%$$

4. Kadar Abu Tidak Larut Asam

Rumus

$$\text{kadar abu tidak larut asam} = \frac{\text{Bobot abu tidak larut asam}}{\text{Bobot simplisia}} \times 100\%$$

a. Daun

No	Berat krus (gram)	Berat krus + abu (gram)	Pengurangan (gram)	Hasil (%)	Standar Deviasi
1.	76,19	76,24	0,05	1	0,11
2.	76,49	76,54	0,05	1	
3.	68,69	68,73	0,04	0,8	
Rata-rata				0,9333	

- Replikasi 1

kadar abu tidak larut asam

$$= \frac{\text{Bobot abu tidak larut asam}}{\text{Bobot simplisia}} \times 100\%$$

$$\frac{0,05}{5} \times 100\% = 1\%$$

- Replikasi 2

kadar abu tidak larut asam

$$= \frac{\text{Bobot abu tidak larut asam}}{\text{Bobot simplisia}} \times 100\%$$

$$\frac{0,05}{5} \times 100\% = 1\%$$

- Replikasi 3

kadar abu tidak larut asam

$$= \frac{\text{Bobot abu tidak larut asam}}{\text{Bobot simplisia}} \times 100\%$$

$$\frac{0,08}{5} \times 100\% = 0,8\%$$

5. Kadar Sari Larut Air

Rumus

$$\text{kadar sari larut air} = \frac{\text{Berat sari larut air}}{\text{Bobot simplisia}} \times \frac{100}{20} \times 100\%$$

a. Daun

No	Bobot kosong (gram)	Bobot kosong + isi (gram)	Pengurangan (gram)	Hasil(%)	Standar Deviasi
1.	81,19	81,28	0,09	9	1,00
2.	81,20	81,27	0,07	7	
3.	81,14	81,22	0,08	8	
Rata-rata				8,00	

- Replikasi 1

$$\text{kadar sari larut air} = \frac{\text{Berat sari larut air}}{\text{Bobot simplisia}} \times \frac{100}{20} \times 100\%$$

$$= \frac{0,09}{5} \times \frac{100}{20} \times 100\% = 9\%$$

- Replikasi 2

$$\text{kadar sari larut air} = \frac{\text{Berat sari larut air}}{\text{Bobot simplisia}} \times \frac{100}{20} \times 100\%$$

$$= \frac{0,07}{5} \times \frac{100}{20} \times 100\% = 7\%$$

- Replikasi 1

$$\text{kadar sari larut air} = \frac{\text{Berat sari larut air}}{\text{Bobot simplisia}} \times \frac{100}{20} \times 100\%$$

$$= \frac{0,08}{5} \times \frac{100}{20} \times 100\% = 8\%$$

b. Batang

No	Bobot kosong (gram)	Bobot kosong + isi (gram)	Pengurangan (gram)	Hasil (%)	Standar Deviasi
1.	92,29	92,35	0,06	6	1,15
2.	92,29	92,37	0,08	8	
3.	92,29	92,35	0,06	6	
Rata-rata				6,67	

- Replikasi 1

$$\begin{aligned} \text{kadar sari larut air} &= \frac{\text{Berat sari larut air}}{\text{Bobot simplisia}} \times \frac{100}{20} \times 100\% \\ &= \frac{0,06}{5} \times \frac{100}{20} \times 100\% = 6\% \end{aligned}$$

- Replikasi 2

$$\begin{aligned} \text{kadar sari larut air} &= \frac{\text{Berat sari larut air}}{\text{Bobot simplisia}} \times \frac{100}{20} \times 100\% \\ &= \frac{0,08}{5} \times \frac{100}{20} \times 100\% = 8\% \end{aligned}$$

- Replikasi 1

$$\begin{aligned} \text{kadar sari larut air} &= \frac{\text{Berat sari larut air}}{\text{Bobot simplisia}} \times \frac{100}{20} \times 100\% \\ &= \frac{0,06}{5} \times \frac{100}{20} \times 100\% = 6\% \end{aligned}$$

6. Kadar Sari Larut Etanol

Rumus

$$\text{kadar sari larut etanol} = \frac{\text{Berat sari larut etanol}}{\text{Bobot simplisia}} \times \frac{100}{20} \times 100\%$$

a. Daun

No	Bobot kosong (gram)	Bobot kosong + isi (gram)	Pengurangan (gram)	Hasil (%)	Standar Deviasi
1.	81,19	81,25	0,06	6	0,57
2.	34,73	34,78	0,05	5	
3.	34,73	34,79	0,06	6	
Rata-rata				5,67	

• Replikasi 1

$$\text{kadar sari larut air} = \frac{\text{Berat sari larut etanol}}{\text{Bobot simplisia}} \times \frac{100}{20} \times 100\%$$

$$= \frac{0,06}{5} \times \frac{100}{20} \times 100\% = 6\%$$

• Replikasi 2

$$\text{kadar sari larut air} = \frac{\text{Berat sari larut etanol}}{\text{Bobot simplisia}} \times \frac{100}{20} \times 100\%$$

$$= \frac{0,05}{5} \times \frac{100}{20} \times 100\% = 5\%$$

• Replikasi 1

$$\text{kadar sari larut air} = \frac{\text{Berat sari larut etanol}}{\text{Bobot simplisia}} \times \frac{100}{20} \times 100\%$$

$$= \frac{0,06}{5} \times \frac{100}{20} \times 100\% = 6\%$$

b. Batang

No	Bobot kosong (gram)	Bobot kosong + isi (gram)	Pengurangan (gram)	Hasil (%)	Standar Deviasi
1.	92,26	92,34	0,08	8	1,15
2.	77,28	77,36	0,08	8	
3.	77,28	77,34	0,06	6	
Rata-rata				7,33	

- Replikasi 1

$$\text{kadar sari larut air} = \frac{\text{Berat sari larut etanol}}{\text{Bobot simplisia}} \times \frac{100}{20} \times 100\%$$

$$= \frac{0,08}{5} \times \frac{100}{20} \times 100\% = 8\%$$

- Replikasi 2

$$\text{kadar sari larut air} = \frac{\text{Berat sari larut etanol}}{\text{Bobot simplisia}} \times \frac{100}{20} \times 100\%$$

$$= \frac{0,08}{5} \times \frac{100}{20} \times 100\% = 8\%$$

- Replikasi 1

$$\text{kadar sari larut air} = \frac{\text{Berat sari larut etanol}}{\text{Bobot simplisia}} \times \frac{100}{20} \times 100\%$$

$$= \frac{0,06}{5} \times \frac{100}{20} \times 100\% = 6\%$$

Lampiran 7. Proses Pembuatan Ekstrak



Lampiran 8. Perhitungan % Inhibisi dan Nilai IC₅₀ Ekstrak Daun Kari

NO	SAMPEL	KONSENTRASI	ABS. SAMPEL	ABS. BLANKO SAMPLE	S-B(S)	KONTROL	KONSENTRASI AKHIR	%INHIBISI	a	b	y	IC50	RATA-RATA IC50	SD
1	DAUN KARI N-Heksan	50	0,9079	0,1849	0,723	0,7438	7,5	2,7965	0,8449	-4,3733	50	64,3547	64,39	0,17
		100	0,8767	0,1951	0,6816		15	8,3625						
		150	0,7201	0,0834	0,6367		22,5	14,3990						
		200	0,6992	0,0995	0,5997		30	19,3735						
		250	0,6054	0,0681	0,5373		37,5	27,7628						
		300	0,5879	0,0909	0,4970		45	33,1810						
		350	0,5091	0,0698	0,4393		52,5	40,8384						
		50	0,9088	0,1850	0,7238		7,5	2,6889	0,84	-4,2465	50	64,5815		
		100	0,8751	0,1981	0,677		15	8,9809						
		150	0,7218	0,0834	0,6384		22,5	14,1705						
		200	0,6992	0,0981	0,6011		30	19,1853						
		250	0,6061	0,0674	0,5387		37,5	27,5746						
		300	0,5888	0,0917	0,4971		45	33,1675						
		350	0,5101	0,0705	0,4396		52,5	40,8981						
		50	0,9080	0,1851	0,7229		7,5	2,8099	0,8475	-4,4463	50	64,2434		
		100	0,8758	0,1942	0,6816		15	8,3625						
		150	0,7221	0,0829	0,6392		22,5	14,0629						
		200	0,6980	0,0988	0,5992		30	19,4407						
		250	0,6049	0,0689	0,536		37,5	27,8376						
		300	0,5871	0,0920	0,4951		45	33,4364						
		350	0,5093	0,0689	0,4404		52,5	40,7905						
2	DAUN KARI Etil Asetat	50	0,7979	0,0749	0,723	0,7545	7,5	4,1750	2,1951	-16,959	50	30,5038	30,49	0,01
		100	0,6967	0,0751	0,6216		15	17,6143						
		150	0,6201	0,0834	0,5367		22,5	28,8668						
		200	0,5292	0,0858	0,4434		30	41,2326						
		250	0,3654	0,0832	0,2822		37,5	62,5977						
		300	0,1689	0,0809	0,088		45	88,3396						
		350	0,0934	0,0892	0,0042		52,5	99,4433						
		50	0,7983	0,0758	0,7225		7,5	4,2412	2,1983	-17,024	50	30,4890		
		100	0,6969	0,0744	0,6215		15	17,6276						
		150	0,6224	0,0852	0,5372		22,5	28,8005						
		200	0,5288	0,0842	0,4446		30	41,0736						
		250	0,3642	0,0813	0,2829		37,5	62,5050						
		300	0,1672	0,0825	0,0847		45	88,7740						
		350	0,0926	0,0885	0,0041		52,5	99,4566						
		50	0,7972	0,0741	0,7231		7,5	4,1617	2,1981	-17,298	50	30,4792		
		100	0,6963	0,0736	0,6227		15	17,4685						
		150	0,6321	0,0893	0,5428		22,5	28,0583						
		200	0,5198	0,0802	0,4396		30	41,7362						
		250	0,3628	0,0822	0,2806		37,5	62,8098						
		300	0,1666	0,0818	0,0848		45	88,7608						
		350	0,0902	0,0873	0,0029		52,5	99,6156						
3	DAUN KARI Etanol 96%	50	0,8179	0,0991	0,7188	0,7543	7,5	4,7064	1,374	-6,7678	50	41,3303	41,39	0,08
		100	0,7967	0,0981	0,6986		15	7,3843						
		150	0,6271	0,0824	0,5447		22,5	27,7874						
		200	0,5901	0,0838	0,4963		30	34,2039						
		250	0,4854	0,0999	0,3855		37,5	48,8930						
		300	0,4079	0,0899	0,318		45	57,8417						
		350	0,3791	0,0790	0,3001		52,5	60,2148						
		50	0,8188	0,0989	0,7199		7,5	4,5605	1,3754	-6,9033	50	41,3722		
		100	0,7977	0,0994	0,6983		15	7,4241						
		150	0,6288	0,0833	0,5455		22,5	27,6813						
		200	0,5899	0,0921	0,4978		30	34,0050						
		250	0,4849	0,0983	0,3866		37,5	48,7472						
		300	0,4065	0,0896	0,3189		45	57,9675						
		350	0,3796	0,0787	0,3009		52,5	60,1087						
		50	0,8180	0,0981	0,7199		7,5	4,5605	1,3742	-7,0037	50	41,4814		
		100	0,7967	0,0984	0,7003		15	7,1590						
		150	0,6288	0,0833	0,5455		22,5	27,6813						
		200	0,5889	0,0911	0,4978		30	34,0050						
		250	0,4855	0,0973	0,3882		37,5	48,5351						
		300	0,4052	0,0816	0,3236		45	57,0993						
		350	0,3706	0,0727	0,2979		52,5	60,5064						

Lampiran 9. Perhitungan % Inhibisi dan Nilai IC₅₀ Ekstrak Batang Kari

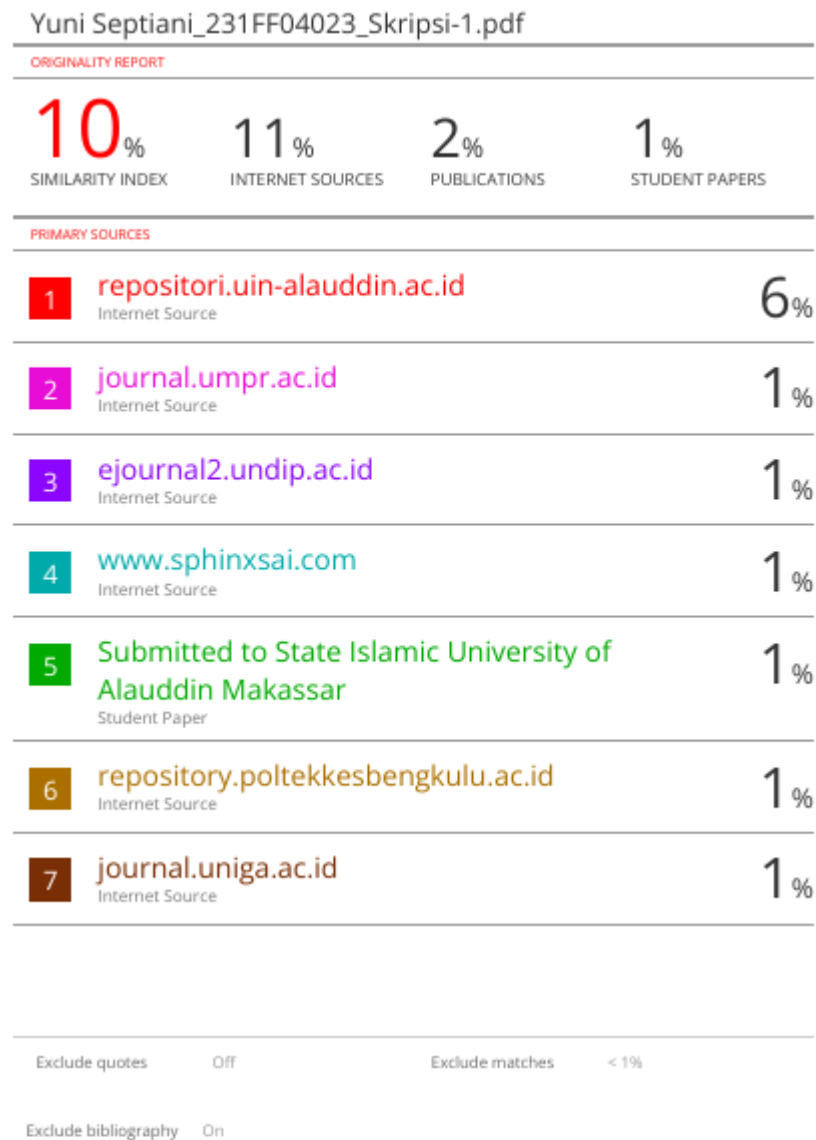
NO	SAMPEL	KONSENTRASI	ABS. SAMPEL	ABS. BLANKO SAMPLE	S-B(S)	KONTROL	KONSENTRASI AKHIR	%INHIBISI	a	b	y	IC50	RATA-RATA IC50	SD		
1	BATANG KARI N-Heksan	50	0,9030	0,1985	0,7045	0,7325	7,5	3,8225	0,5834	0,5909	50	83,2644	83,34	0,08		
		100	0,8614	0,1988	0,6626		15	9,5427								
		150	0,7189	0,0939	0,625		22,5	14,6758								
		200	0,6891	0,0979	0,5912		30	19,2901								
		250	0,6433	0,0852	0,5581		37,5	23,8089								
		300	0,6087	0,0725	0,5362		45	26,7986								
		350	0,5789	0,0721	0,5068		52,5	30,8123								
		50	0,9030	0,1989	0,7041		7,5	3,8771	0,5922	0,6455	50	83,3409				
		100	0,8614	0,1978	0,6636		15	9,4061								
		150	0,7188	0,0952	0,6236		22,5	14,8669								
		200	0,6890	0,0981	0,5909		30	19,3311								
		250	0,6444	0,0873	0,5571		37,5	23,9454								
		300	0,6099	0,0726	0,5373		45	26,6485								
		350	0,5784	0,0716	0,5068		52,5	30,8123								
		50	0,9035	0,1982	0,7053		7,5	3,7133	0,5926	0,5636	50	83,4229				
		100	0,8617	0,1988	0,6629		15	9,5017								
		150	0,7195	0,0944	0,6251		22,5	14,8621								
		200	0,6885	0,0971	0,5914		30	19,2628								
		250	0,6442	0,0868	0,5574		37,5	23,9044								
		300	0,6086	0,0715	0,5371		45	26,6758								
		350	0,5789	0,0710	0,5079		52,5	30,8621								
2	BATANG KARI Etil Asetat	50	1,0231	0,3121	0,7110	0,7333	7,5	3,0410	0,5874	-2,4839	50	89,3495	89,30	0,05		
		100	0,9956	0,2971	0,6985		15	4,7457								
		150	0,8921	0,2382	0,6539		22,5	10,8278								
		200	0,7991	0,1793	0,6198		30	15,4780								
		250	0,6852	0,0911	0,5941		37,5	18,9827								
		300	0,6031	0,0522	0,5509		45	24,8739								
		350	0,5723	0,0445	0,5278		52,5	28,0240								
		50	1,0242	0,3122	0,7120		7,5	2,9047	0,5889	-2,554	50	89,2410				
		100	0,9966	0,2983	0,6983		15	4,7729								
		150	0,8931	0,2391	0,6540		22,5	10,8141								
		200	0,7982	0,1783	0,6199		30	15,4643								
		250	0,6862	0,0920	0,5942		37,5	18,9690								
		300	0,6046	0,0532	0,5514		45	24,8057								
		350	0,5733	0,0457	0,5276		52,5	28,0513								
		50	1,0239	0,3127	0,7112		7,5	3,0138	0,5882	-2,5248	50	89,2975				
		100	0,9966	0,2982	0,6984		15	4,7593								
		150	0,8913	0,2371	0,6542		22,5	10,7869								
		200	0,7988	0,1787	0,6201		30	15,4971								
		250	0,6864	0,0918	0,5946		37,5	18,9711								
		300	0,6038	0,0528	0,551		45	24,8602								
		350	0,5713	0,0439	0,5274		52,5	28,0785								

3	BATANG KARI Etanol 96%	50	1,0131	0,3131	0,7000	0,7435	7,5	5,8507	0,4588	1,589	50	105,5186	105,29	0,22
		100	0,9656	0,2871	0,6785		15	8,7424						
		150	0,8021	0,1382	0,6639		22,5	10,7061						
		200	0,7591	0,1293	0,6298		30	15,2925						
		250	0,6952	0,0911	0,6041		37,5	18,7492						
		300	0,6071	0,0202	0,5889		45	21,0625						
		350	0,5793	0,0371	0,5422		52,5	27,0746						
		50	1,0128	0,3129	0,6999		7,5	5,8642	0,4627	1,3853	50	105,0674		
		100	0,9643	0,2842	0,6801		15	8,5272						
		150	0,8033	0,1362	0,6671		22,5	10,2757						
		200	0,7592	0,1295	0,6297		30	15,3060						
		250	0,6949	0,0908	0,6041		37,5	18,7492						
		300	0,6069	0,0201	0,5888		45	21,0760						
		350	0,5788	0,0365	0,5423		52,5	Chart Area						
		50	1,0124	0,3127	0,6997		7,5	5,8911	0,4605	1,516	50	105,2856		
		100	0,9656	0,2856	0,68		15	8,5407						
		150	0,8027	0,1386	0,6641		22,5	10,6792						
		200	0,7587	0,1290	0,6297		30	15,3060						
		250	0,6946	0,0906	0,604		37,5	18,7626						
		300	0,6079	0,0208	0,5871		45	21,0356						
		350	0,5786	0,0366	0,542		52,5	27,1015						

Lampiran 10. Perhitungan % Inhibisi dan Nilai IC₅₀ *Acarbose*

NO	SAMPEL	KONSENTRASI	ABS. SAMPEL	ABS. BLANKO SAMPLE	S.B.S(S)	KONTROL	KONSENTRASI AKHIR	%INHIBISI	a	b	y	IC50	RATA-RATA IC50	SD
1	ACARBOSE	50	0,8123	0,4124	0,3999	0,7821	7,5	48,8684	0,5321	43,542	50	12,1368	12,1906	0,1033
		100	0,7076	0,3198	0,3878		15	50,4155						
		150	0,6767	0,3218	0,3549		22,5	54,6222						
		200	0,5542	0,2259	0,3283		30	58,0233						
		250	0,4172	0,1283	0,2889		37,5	63,0610						
		300	0,3889	0,1302	0,2587		45	66,9224						
		350	0,2703	0,0354	0,2349		52,5	69,9655						
		50	0,8128	0,4127	0,4001		7,5	48,8429	0,4979	43,671	50	12,3097		
		100	0,7080	0,3196	0,3884		15	50,3388						
		150	0,6772	0,3216	0,3556		22,5	54,5327						
		200	0,5550	0,2283	0,3267		30	58,2278						
		250	0,4179	0,1291	0,2888		37,5	63,0738						
		300	0,3005	0,0389	0,2606		45	66,6795						
		350	0,2744	0,0394	0,2350		52,5	69,9527						
		50	0,8143	0,4125	0,4018		7,5	48,6255	0,4888	44,061	50	12,1254		
		100	0,7051	0,3194	0,3857		15	50,6841						
		150	0,6753	0,3219	0,3534		22,5	54,8140						
		200	0,5576	0,2295	0,3281		30	58,0488						
		250	0,4174	0,1293	0,2881		37,5	63,1633						
		300	0,3051	0,0398	0,2653		45	66,0785						
		350	0,2748	0,0391	0,2357		52,5	69,8632						

Lampiran 11. Cek Plagiarisme



Lampiran 12. Kartu Bimbingan

No	Tanggal	Dosen Pembimbing	Topik	Disetujui	Aksi
1	22 Januari 2025	apt Wempi Budiana, M.Si	Hasil Ekstraksi	✓	 
1	28 April 2025	Dewi Kurnia, M.Si	Prosedur enzim	✓	 
2	23 April 2025	apt Wempi Budiana, M.Si	Konfirmasi prosedur enzim	✓	 
2	29 April 2025	Dewi Kurnia, M.Si	Hasil	✓	 
3	3 Juni 2025	Dewi Kurnia, M.Si	Hasil Penelitian	✓	 
3	24 April 2025	apt Wempi Budiana, M.Si	Optimasi enzim	✓	 
4	5 Mei 2025	apt Wempi Budiana, M.Si	Hasil	✓	 
4	18 Juni 2025	Dewi Kurnia, M.Si	Bab 4	✓	 
5	25 Juni 2025	Dewi Kurnia, M.Si	Hasil penelitian	✓	 
5	16 Mei 2025	apt Wempi Budiana, M.Si	KLT	✓	 
6	4 Juli 2025	Dewi Kurnia, M.Si	Hasil penelitian	✓	 
6	19 Mei 2025	apt Wempi Budiana, M.Si	Hasil penelitian	✓	 
7	18 Juni 2025	apt Wempi Budiana, M.Si	Bab 3	✓	 
7	8 Juli 2025	Dewi Kurnia, M.Si	Hasil penelitian	✓	 
8	3 Juli 2025	apt Wempi Budiana, M.Si	Hasil penelitian	✓	 
9	9 Juli 2025	apt Wempi Budiana, M.Si	Hasil penelitian	✓	 

Lampiran 13. CV



Biodata

Nama Lengkap : Yuni Septiani

Nama Panggilan : Yuni, Uni

Tempat/Tanggal Lahir : Jakarta, 23 Juni 2001

Jenis Kelamin : Perempuan

Agama : Islam

Alamat : Dusun desa wetan RT/RW: 002/001 Kelurahan
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Nama Ayah : Aan Sopyan

Nama Ibu : Darsinih

Anak ke : 1 dari 3 bersaudara

Pendidikan

1. TK Islam Al-Kautsar Cikoneng : 2005-2007
2. SD Negeri 1 Imbanagara raya : 2007-2013
3. SMP Negeri 2 Ciamis : 2013-2016
4. SMA Negeri 2 Ciamis : 2016-2019
5. D3 Farmasi STIKes Muhammadiyah Ciamis : 2019-2022
6. S1 Farmasi Universitas Bhakti Kencana : 2023-2025