

V. SIMPULAN DAN SARAN

A. Simpulan

Berdasarkan penelitian yang telah dilakukan, dapat diperoleh simpulan sebagai berikut.

1. Kadar senyawa flavonoid yang terkandung dalam ekstrak etanol daun binahong sebesar $4,32 \pm 0,19$ %QE dan kadar senyawa fenoliknya sebesar $5,89 \pm 0,08$ %GAE.
2. Persentase penghambatan denaturasi tertinggi dari ekstrak etanol daun binahong adalah $72,98 \pm 1,11$ %.
3. Ekstrak etanol daun binahong memiliki nilai IC_{50} sebesar $47,95 \pm 1,99$ ppm.

B. Saran

Berdasarkan penelitian yang telah dilakukan, dapat diperoleh saran sebagai berikut.

1. Perlu dilakukan optimasi pelarut, suhu, maupun waktu ekstraksi daun binahong secara sonikasi supaya dapat diperoleh persentase rendemen yang besar dan senyawa metabolit yang terekstrak lebih optimal.
2. Dapat dilakukan fraksinasi ekstrak untuk mengisolasi senyawa metabolit sekunder sesuai dengan tingkat kepolarannya.
3. Perlu dilakukan penelitian yang membandingkan ekstrak hasil sonikasi dan maserasi, serta analisis antiinflamasi dengan beberapa metode.

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LAMPIRAN

Lampiran 1. Hasil Determinasi Tanaman Binahong


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SURAT KETERANGAN
Nomor : 00922/S.Tb./VII/2025

Yang bertanda tangan dibawah ini, Kepala Laboratorium Sistematika Tumbuhan Fakultas Biologi UGM, menerangkan dengan sesungguhnya bahwa,

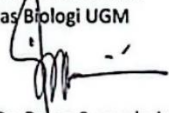
Nama : Valentina Marcella Maheswari
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telah melakukan identifikasi tumbuhan dengan hasil sebagai berikut,

Filum : Tracheophyta
Kelas : Magnoliopsida
Ordo : Caryophyllales
Familia : Basellaceae
Genus : *Anredera*
Spesies : *Anredera cordifolia* (Ten.) Steenis
Nama lokal : Binahong

Identifikasi tersebut dibantu oleh Prof. Dr. Ratna Susandarini, M.Sc.
Demikian surat keterangan ini diberikan untuk dapat dipergunakan seperlunya.

Mengetahui,
an. Dekan
Wakil Dekan Bidang Penelitian, Pengabdian
Kepada Masyarakat, Kerja Sama dan Alumni

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Lampiran 2. Kadar Sari Larut Air

Berat sari = Berat cawan + sari - Berat cawan kosong

$$\text{Berat sari total} = \frac{\text{Volume pelarut}}{\text{Volume filtrat yang dipakai}} \times \text{Berat sari}$$

$$\text{Sari Larut Air} = \frac{\text{Berat sari total}}{\text{Berat simplisia}} \times 100\%$$

a. Pengulangan 1

$$\text{Bobot sari} = 55,5278 - 55,2982 = 0,2296 \text{ gram}$$

$$\text{Sari larut air} = \frac{0,2296}{5} \times \frac{100}{20} \times 100\% = 22,96\%$$

b. Pengulangan 2

$$\text{Bobot sari} = 62,1975 - 61,9763 = 0,2212 \text{ gram}$$

$$\text{Sari larut air} = \frac{0,2212}{5} \times \frac{100}{20} \times 100\% = 22,12\%$$

c. Pengulangan 3

$$\text{Bobot sari} = 62,1975 - 61,9763 = 0,2212 \text{ gram}$$

$$\text{Sari larut air} = \frac{0,2212}{5} \times \frac{100}{20} \times 100\% = 22,12\%$$

Lampiran 3. Kadar Sari Larut Etanol

Berat sari = Berat cawan + sari - Berat cawan kosong

$$\text{Berat sari total} = \frac{\text{Volume pelarut}}{\text{Volume filtrat yang dipakai}} \times \text{Berat sari}$$

$$\text{Sari Larut Etanol} = \frac{\text{Berat sari total}}{\text{Berat simplisia}} \times 100\%$$

a. Pengulangan 1

$$\text{Bobot sari} = 55,4992 - 55,2964 = 0,2028 \text{ gram}$$

$$\text{Sari larut etanol} = \frac{0,2028}{5} \times \frac{100}{20} \times 100\% = 20,28\%$$

b. Pengulangan 2

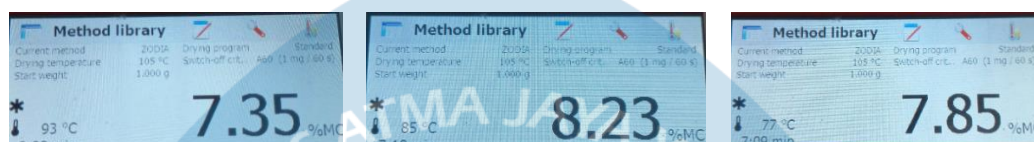
$$\text{Bobot sari} = 62,1261 - 61,8965 = 0,2296 \text{ gram}$$

$$\text{Sari larut etanol} = \frac{0,2296}{5} \times \frac{100}{20} \times 100\% = 22,96\%$$

c. Pengulangan 3

$$\text{Bobot sari} = 57,7883 - 57,5733 = 0,215 \text{ gram}$$

$$\text{Sari larut etanol} = \frac{0,215}{5} \times \frac{100}{20} \times 100\% = 21,5\%$$

Lampiran 4. Kadar Air

Pengulangan 1

Pengulangan 2

Pengulangan 3

Lampiran 5. Kadar Abu

$$\text{Kadar abu} = \frac{(\text{Berat cawan+abu}) - \text{Berat cawan}}{\text{Berat simplisia}} \times 100\%$$

a. Pengulangan 1

$$\text{Kadar abu} = \frac{(15,5723 - 15,1351)}{2} \times 100\% = 21,86\%$$

b. Pengulangan 2

$$\text{Sari larut etanol} = \frac{(15,6222 - 15,1856)}{2} \times 100\% = 21,83\%$$

c. Pengulangan 3

$$\text{Sari larut etanol} = \frac{(16,7250 - 16,2823)}{2} \times 100\% = 22,14\%$$

Lampiran 6. Rendemen Ekstrak

$$\text{Berat ekstrak} = \text{Berat cawan} + \text{ekstrak} - \text{Berat cawan kosong}$$

$$\text{Rendemen} = \frac{\text{Berat ekstrak}}{\text{Berat simplisia}} \times 100\%$$

$$\text{Berat cawan 1} = 82,6036 - 78,7656 = 3,838 \text{ gram}$$

$$\text{Berat cawan 2} = 85,7882 - 81,7746 = 4,0136 \text{ gram}$$

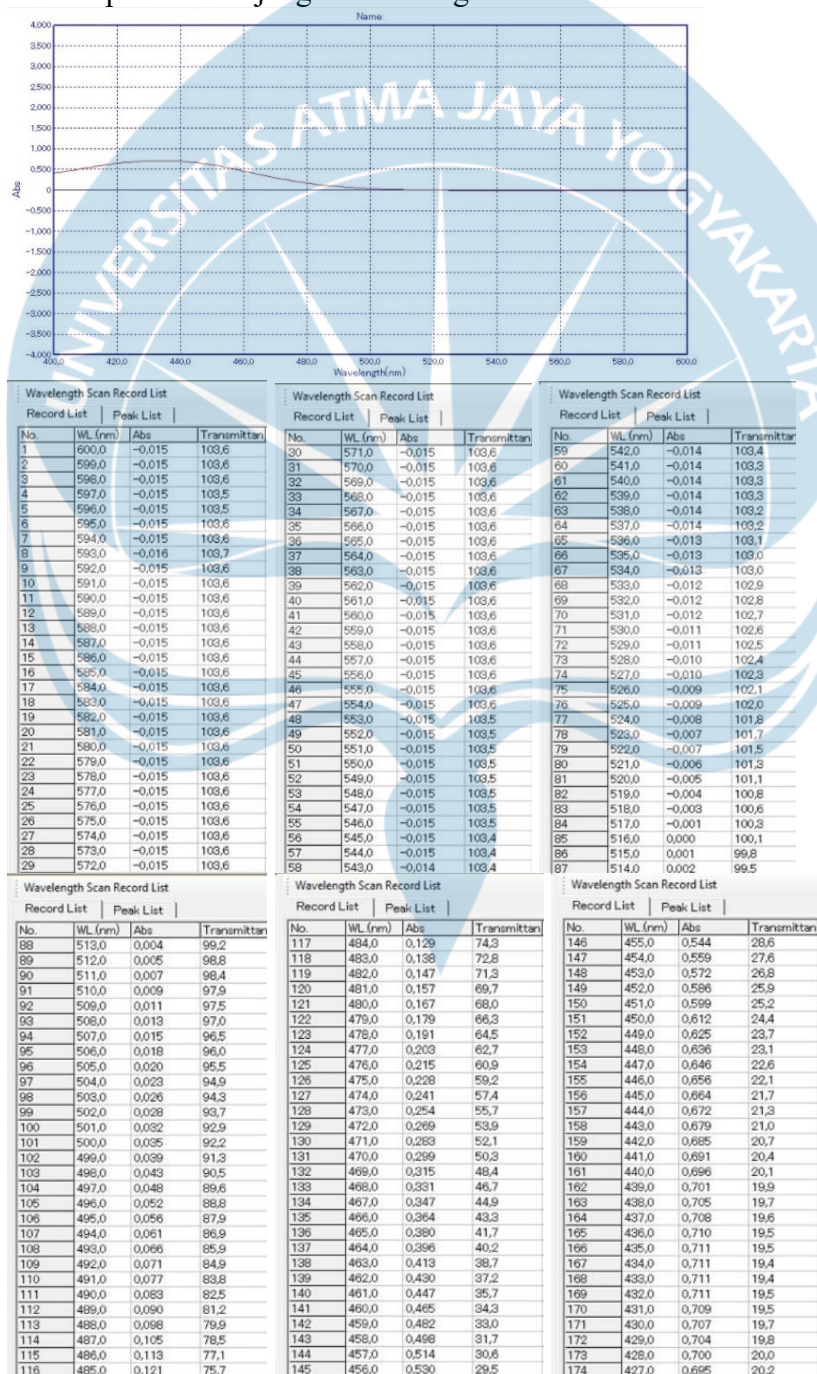
$$\text{Rendemen 1} = \frac{3,838}{25} \times 100\% = 15,35\%$$

$$\text{Rendemen 2} = \frac{4,0136}{25} \times 100\% = 16,05\%$$

$$\text{Rata-rata rendemen} = \frac{(15,35+16,05)}{2} = 15,7\%$$

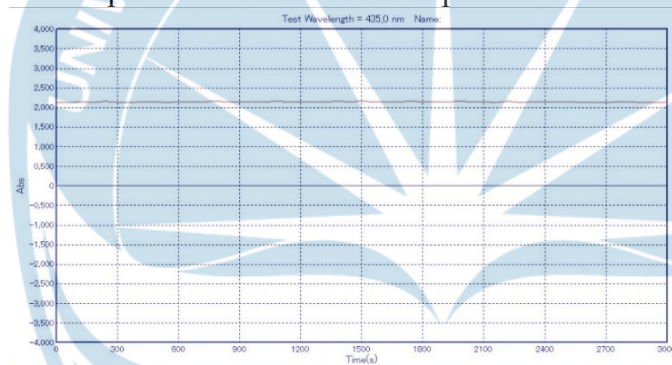
Lampiran 7. Uji Kuantitatif Flavonoid

a. Hasil Optimasi Panjang Gelombang Maksimum



Record List			
No.	WL (nm)	Abs	Transmittan
173	428.0	0.700	20.0
174	427.0	0.685	20.2
175	426.0	0.690	20.4
176	425.0	0.685	20.7
177	424.0	0.679	21.0
178	423.0	0.672	21.3
179	422.0	0.664	21.7
180	421.0	0.656	22.1
181	420.0	0.647	22.5
182	419.0	0.637	23.0
183	418.0	0.627	23.6
184	417.0	0.616	24.2
185	416.0	0.606	24.8
186	415.0	0.594	25.4
187	414.0	0.583	26.1
188	413.0	0.571	26.9
189	412.0	0.559	27.6
190	411.0	0.546	28.5
191	410.0	0.533	29.3
192	409.0	0.520	30.2
193	408.0	0.506	31.2
194	407.0	0.493	32.1
195	406.0	0.480	33.1
196	405.0	0.467	34.1
197	404.0	0.454	35.2
198	403.0	0.441	36.2
199	402.0	0.428	37.3
200	401.0	0.418	38.2
201	400.0	0.410	38.9

b. Hasil Optimasi Waktu Inkubasi Optimum



Record List			
No.	Time(s)	Abs	Transmittan
1	0.0 s	2.127	0.7
2	60.0 s	2.138	0.7
3	120.0 s	2.144	0.7
4	180.0 s	2.133	0.7
5	240.0 s	2.155	0.7
6	300.0 s	2.138	0.7
7	360.0 s	2.138	0.7
8	420.0 s	2.147	0.7
9	480.0 s	2.150	0.7
10	540.0 s	2.138	0.7
11	600.0 s	2.147	0.7
12	660.0 s	2.147	0.7
13	720.0 s	2.150	0.7
14	780.0 s	2.158	0.7
15	840.0 s	2.147	0.7
16	900.0 s	2.147	0.7
17	960.0 s	2.147	0.7
18	1020.0 s	2.153	0.7
19	1080.0 s	2.155	0.7
20	1140.0 s	2.153	0.7
21	1200.0 s	2.141	0.7
22	1260.0 s	2.150	0.7
23	1320.0 s	2.147	0.7
24	1380.0 s	2.161	0.7
25	1440.0 s	2.147	0.7
26	1500.0 s	2.164	0.7
27	1560.0 s	2.150	0.7
28	1620.0 s	2.141	0.7
29	1680.0 s	2.141	0.7

Record List			
No.	Time(s)	Abs	Transmittan
23	1320.0 s	2.147	0.7
24	1380.0 s	2.161	0.7
25	1440.0 s	2.147	0.7
26	1500.0 s	2.164	0.7
27	1560.0 s	2.150	0.7
28	1620.0 s	2.141	0.7
29	1680.0 s	2.141	0.7
30	1740.0 s	2.158	0.7
31	1800.0 s	2.147	0.7
32	1860.0 s	2.141	0.7
33	1920.0 s	2.144	0.7
34	1980.0 s	2.158	0.7
35	2040.0 s	2.150	0.7
36	2100.0 s	2.153	0.7
37	2160.0 s	2.127	0.7
38	2220.0 s	2.161	0.7
39	2280.0 s	2.138	0.7
40	2340.0 s	2.144	0.7
41	2400.0 s	2.141	0.7
42	2460.0 s	2.153	0.7
43	2520.0 s	2.150	0.7
44	2580.0 s	2.138	0.7
45	2640.0 s	2.135	0.7
46	2700.0 s	2.138	0.7
47	2760.0 s	2.150	0.7
48	2820.0 s	2.153	0.7
49	2880.0 s	2.130	0.7
50	2940.0 s	2.125	0.8
51	3000.0 s	2.138	0.7

c. Data Absorbansi Kuersetin

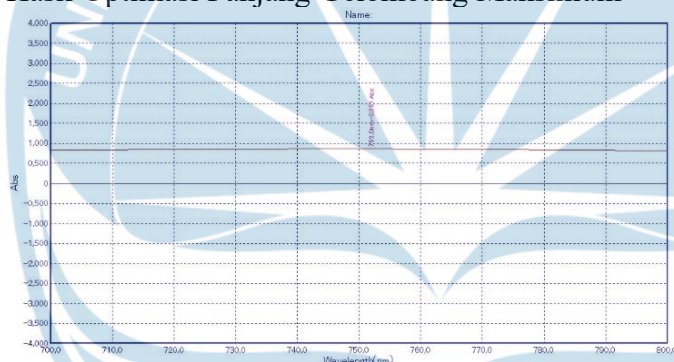
Konsentrasi (ppm)	Absorbansi			Abs-Blanko			Rata-Rata	SD	%CV
20	1,396	1,413	1,623	1,341	1,365	1,573	1,426	0,128	8,94
16	1,156	1,205	1,345	1,101	1,157	1,295	1,184	0,100	8,43
12	0,779	0,866	1,029	0,724	0,818	0,979	0,840	0,129	15,35
8	0,472	0,624	0,673	0,417	0,576	0,623	0,539	0,108	20,04
4	0,223	0,354	0,373	0,168	0,306	0,323	0,266	0,085	32,00

d. Data Perhitungan Kadar Total Flavonoid Ekstrak Daun Binahong

Konsentrasi (ppm)	Absorbansi			Abs-Blanko			Total Flavonoid (mgQE/g)			Rata-Rata (mgQE/g)	%QE	SD	%CV
	1	2	3	1	2	3	1	2	3				
100	0,335	0,334	0,338	0,278	0,282	0,284	42,72	43,26	43,53	43,17	4,32	0,04	0,95

Lampiran 8. Uji Kuantitatif Fenolik

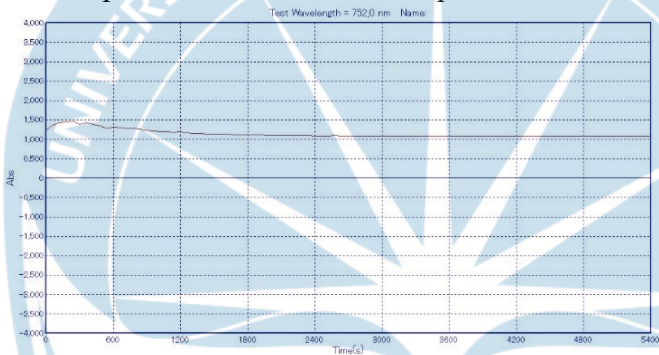
a. Hasil Optimasi Panjang Gelombang Maksimum



Wavelength Scan Record List				Wavelength Scan Record List			
Record List		Peak List		Record List		Peak List	
No	WL (nm)	Abs	Transmittansi	No	WL (nm)	Abs	Transmittansi
1	800.0	0,814	15,3	30	771.0	0,850	14,1
2	799.0	0,815	15,3	31	770.0	0,851	14,1
3	798.0	0,817	15,3	32	769.0	0,852	14,1
4	797.0	0,818	15,2	33	768.0	0,853	14,0
5	796.0	0,819	15,2	34	767.0	0,854	14,0
6	795.0	0,821	15,1	35	766.0	0,854	14,0
7	794.0	0,822	15,0	36	765.0	0,855	14,0
8	793.0	0,824	15,0	37	764.0	0,855	14,0
9	792.0	0,825	14,9	38	763.0	0,856	13,9
10	791.0	0,827	14,9	39	762.0	0,856	13,9
11	790.0	0,828	14,8	40	761.0	0,857	13,9
12	789.0	0,830	14,8	41	760.0	0,858	13,9
13	788.0	0,831	14,7	42	759.0	0,858	13,9
14	787.0	0,832	14,7	43	758.0	0,859	13,8
15	786.0	0,834	14,7	44	757.0	0,859	13,8
16	785.0	0,835	14,6	45	756.0	0,859	13,8
17	784.0	0,836	14,6	46	755.0	0,860	13,8
18	783.0	0,838	14,5	47	754.0	0,861	13,8
19	782.0	0,839	14,5	48	753.0	0,861	13,8
20	781.0	0,840	14,5	49	752.0	0,861	13,8
21	780.0	0,841	14,4	50	751.0	0,861	13,8
22	779.0	0,841	14,4	51	750.0	0,861	13,8
23	778.0	0,843	14,4	52	749.0	0,861	13,8
24	777.0	0,844	14,3	53	748.0	0,860	13,8
25	776.0	0,845	14,3	54	747.0	0,860	13,8
26	775.0	0,846	14,3	55	746.0	0,861	13,8
27	774.0	0,847	14,2	56	745.0	0,861	13,8
28	773.0	0,849	14,2	57	744.0	0,861	13,8
29	772.0	0,850	14,1	58	743.0	0,861	13,8

Wavelength Scan Record List			
Record List		Peak List	
No.	Wt. (nm)	Abs	Transmittan
59	742.0	0.861	13.8
60	741.0	0.860	13.8
61	740.0	0.860	13.8
62	739.0	0.860	13.8
63	738.0	0.859	13.8
64	737.0	0.859	13.8
65	736.0	0.859	13.9
66	735.0	0.859	13.9
67	734.0	0.859	13.9
68	733.0	0.858	13.9
69	732.0	0.857	13.9
70	731.0	0.857	13.9
71	730.0	0.856	13.9
72	729.0	0.856	13.9
73	728.0	0.855	14.0
74	727.0	0.854	14.0
75	726.0	0.853	14.0
76	725.0	0.853	14.0
77	724.0	0.852	14.0
78	723.0	0.852	14.1
79	722.0	0.851	14.1
80	721.0	0.850	14.1
81	720.0	0.849	14.2
82	719.0	0.848	14.2
83	718.0	0.847	14.2
84	717.0	0.846	14.2
85	716.0	0.846	14.3
86	715.0	0.845	14.3
87	714.0	0.844	14.3
88	713.0	0.843	14.3
89	712.0	0.842	14.4
90	711.0	0.841	14.4
91	710.0	0.840	14.5
92	709.0	0.839	14.5
93	708.0	0.838	14.5
94	707.0	0.837	14.6
95	706.0	0.836	14.6
96	705.0	0.835	14.6
97	704.0	0.834	14.7
98	703.0	0.832	14.7
99	702.0	0.831	14.8
100	701.0	0.831	14.8
101	700.0	0.830	14.8

b. Hasil Optimasi Waktu Inkubasi Optimum



Time Scan Record List			
Record List		Peak List	
No.	Time(s)	Abs	Transmittan
1	0.0 s	1.231	5.9
2	60.0 s	1.366	4.3
3	120.0 s	1.431	3.7
4	180.0 s	1.453	3.5
5	240.0 s	1.468	3.4
6	300.0 s	1.368	4.1
7	360.0 s	1.431	3.7
8	420.0 s	1.375	4.2
9	480.0 s	1.342	4.6
10	540.0 s	1.261	5.2
11	600.0 s	1.309	4.9
12	660.0 s	1.294	5.1
13	720.0 s	1.290	5.1
14	780.0 s	1.285	5.2
15	840.0 s	1.267	5.4
16	900.0 s	1.235	5.8
17	960.0 s	1.221	6.0
18	1020.0 s	1.206	6.2
19	1080.0 s	1.207	6.2
20	1140.0 s	1.190	6.5
21	1200.0 s	1.192	6.4
22	1260.0 s	1.163	6.9
23	1320.0 s	1.147	7.1
24	1380.0 s	1.152	7.0
25	1440.0 s	1.141	7.2
26	1500.0 s	1.133	7.4
27	1560.0 s	1.129	7.4
28	1620.0 s	1.131	7.4
29	1680.0 s	1.115	7.7

Time Scan Record List			
Record List		Peak List	
No.	Time(s)	Abs	Transmittan
30	1740.0 s	1.122	7.6
31	1800.0 s	1.111	7.7
32	1860.0 s	1.113	7.7
33	1920.0 s	1.110	7.8
34	1980.0 s	1.105	7.9
35	2040.0 s	1.059	8.0
36	2100.0 s	1.102	7.9
37	2160.0 s	1.097	8.0
38	2220.0 s	1.097	8.0
39	2280.0 s	1.095	8.0
40	2340.0 s	1.094	8.1
41	2400.0 s	1.091	8.1
42	2460.0 s	1.091	8.1
43	2520.0 s	1.092	8.1
44	2580.0 s	1.093	8.1
45	2640.0 s	1.091	8.1
46	2700.0 s	1.090	8.1
47	2760.0 s	1.090	8.1
48	2820.0 s	1.085	8.2
49	2880.0 s	1.088	8.2
50	2940.0 s	1.083	8.3
51	3000.0 s	1.082	8.3
52	3060.0 s	1.084	8.2
53	3120.0 s	1.086	8.2
54	3180.0 s	1.084	8.2
55	3240.0 s	1.083	8.3
56	3300.0 s	1.083	8.3
57	3360.0 s	1.082	8.3
58	3420.0 s	1.082	8.3

Time Scan Record List				Time Scan Record List			
Record List		Peak List		Record List		Peak List	
No.	Time(s)	Abs	Transmittan	No.	Time(s)	Abs	Transmittan
59	3480,0 s	1,081	8,3	63	3720,0 s	1,079	8,3
60	3540,0 s	1,080	8,3	64	3780,0 s	1,079	8,3
61	3600,0 s	1,080	8,3	65	3840,0 s	1,080	8,3
62	3660,0 s	1,081	8,3	66	3900,0 s	1,080	8,3
63	3720,0 s	1,079	8,3	67	3960,0 s	1,079	8,3
64	3780,0 s	1,079	8,3	68	4020,0 s	1,079	8,3
65	3840,0 s	1,080	8,3	69	4080,0 s	1,079	8,3
66	3900,0 s	1,080	8,3	70	4140,0 s	1,078	8,4
67	3960,0 s	1,079	8,3	71	4200,0 s	1,079	8,3
68	4020,0 s	1,079	8,3	72	4260,0 s	1,078	8,4
69	4080,0 s	1,079	8,3	73	4320,0 s	1,080	8,3
70	4140,0 s	1,078	8,4	74	4380,0 s	1,081	8,3
71	4200,0 s	1,079	8,3	75	4440,0 s	1,079	8,3
72	4260,0 s	1,078	8,4	76	4500,0 s	1,077	8,4
73	4320,0 s	1,080	8,3	77	4560,0 s	1,078	8,4
74	4380,0 s	1,081	8,3	78	4620,0 s	1,077	8,4
75	4440,0 s	1,079	8,3	79	4680,0 s	1,077	8,4
76	4500,0 s	1,077	8,4	80	4740,0 s	1,077	8,4
77	4560,0 s	1,078	8,4	81	4800,0 s	1,078	8,4
78	4620,0 s	1,077	8,4	82	4860,0 s	1,078	8,4
79	4680,0 s	1,077	8,4	83	4920,0 s	1,078	8,4
80	4740,0 s	1,077	8,4	84	4980,0 s	1,079	8,3
81	4800,0 s	1,078	8,4	85	5040,0 s	1,078	8,4
82	4860,0 s	1,078	8,4	86	5100,0 s	1,078	8,4
83	4920,0 s	1,078	8,4	87	5160,0 s	1,078	8,4
84	4980,0 s	1,079	8,3	88	5220,0 s	1,078	8,4
85	5040,0 s	1,078	8,4	89	5280,0 s	1,078	8,4
86	5100,0 s	1,078	8,4	90	5340,0 s	1,078	8,4
87	5160,0 s	1,078	8,4	91	5400,0 s	1,078	8,4

c. Data Absorbansi Asam Galat

Konsentrasi (ppm)	Absorbansi			Abs-Blanko			Rata-Rata	SD	%CV
9	0,880	0,864	0,930	0,804	0,786	0,851	0,814	0,034	4,07
7	0,744	0,741	0,727	0,668	0,663	0,648	0,660	0,010	1,60
5	0,523	0,551	0,548	0,447	0,473	0,469	0,463	0,014	3,10
3	0,351	0,371	0,367	0,275	0,293	0,288	0,285	0,009	3,40
1	0,221	0,168	0,198	0,145	0,09	0,119	0,118	0,028	22,82

d. Data Perhitungan Kadar Total Fenolik Ekstrak Daun Binahong

Konsentrasi (ppm)	Absorbansi			Abs-Blanko			Total Fenolik (mgGAE/g)			Rata-Rata (mgGAE/g)	%GAE	SD	%CV
	1	2	3	1	2	3	1	2	3				
100	0,621	0,623	0,628	0,541	0,545	0,554	58,22	58,67	59,69	58,86	5,89	0,08	1,18

Lampiran 9. Uji Denaturasi Protein

a. Absorbansi dan Persentase Penghambatan Denaturasi Protein – Natrium Diklofenak

Konsentrasi (ppm)	Replikasi	Abs	Abs-Blanko	% Inhibisi	Rata-Rata % Inhibisi	SD	%CV
1,25	1	0,036	0,034	41,38	43,10	1,50	3,47
	2	0,033	0,032	43,86			
	3	0,034	0,033	44,07			
2,5	1	0,031	0,029	50,00	50,57	0,50	0,98
	2	0,029	0,028	50,88			
	3	0,030	0,029	50,85			
5	1	0,028	0,026	55,17	56,31	1,24	2,20
	2	0,026	0,025	56,14			
	3	0,026	0,025	57,63			
10	1	0,024	0,022	62,07	62,65	0,55	0,87
	2	0,022	0,021	63,16			
	3	0,023	0,022	62,71			
20	1	0,018	0,016	72,41	72,43	1,25	1,72
	2	0,016	0,015	73,68			
	3	0,018	0,017	71,19			
40	1	0,014	0,012	79,31	80,46	1,04	1,30
	2	0,012	0,011	80,70			
	3	0,012	0,011	81,36			

b. Absorbansi dan Persentase Penghambatan Denaturasi Protein – Ekstrak Daun Binahong

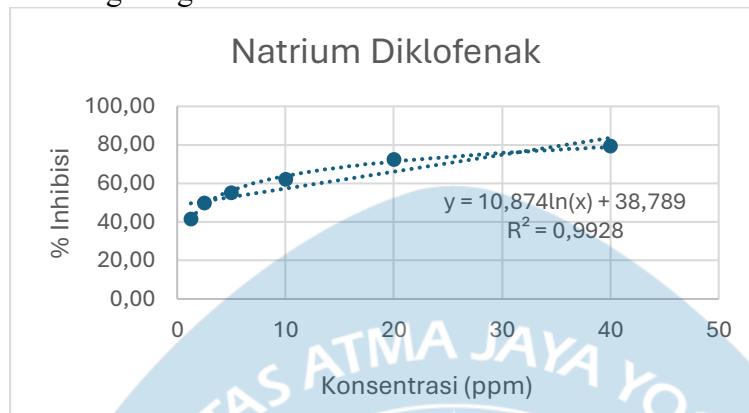
Konsentrasi (ppm)	Replikasi	Abs	Abs-Blank Ekstrak	% Inhibisi	Rata-Rata % Inhibisi	SD	%CV
12,5	1	0,040	0,002	0,038	34,48	35,05	1,59
	2	0,038	0,001	0,037	35,09		
	3	0,039	0,001	0,038	35,59		
25	1	0,040	0,007	0,033	43,10	42,55	3,91
	2	0,038	0,006	0,032	43,86		
	3	0,041	0,006	0,035	40,68		
50	1	0,044	0,015	0,029	50,00	50,01	1,72
	2	0,042	0,014	0,028	50,88		
	3	0,045	0,015	0,030	49,15		
100	1	0,067	0,043	0,024	58,62	59,20	0,89
	2	0,064	0,041	0,023	59,65		
	3	0,066	0,042	0,024	59,32		
200	1	0,086	0,066	0,020	65,52	66,10	0,87
	2	0,083	0,064	0,019	66,67		
	3	0,084	0,064	0,020	66,10		
400	1	0,129	0,114	0,015	74,14	72,98	1,52
	2	0,128	0,112	0,016	71,93		
	3	0,129	0,113	0,016	72,88		

c. Absorbansi Kontrol Negatif

Kontrol Negatif	Abs			Abs-Blanko		
	1	2	3	1	2	3
BSA	0,060	0,058	0,060	0,058	0,057	0,059

d. Grafik dan Nilai IC_{50} Natrium Diklofenak

- Pengulangan 1

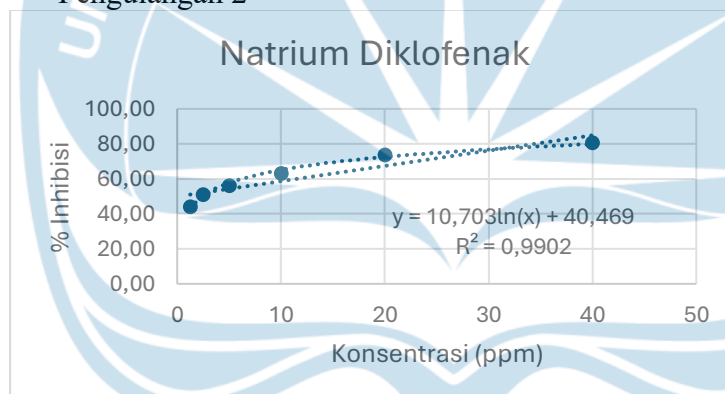


$$x = (50 - 38,789) / 10,874$$

$$x = 1,03$$

$$IC_{50} = 2,80$$

- Pengulangan 2

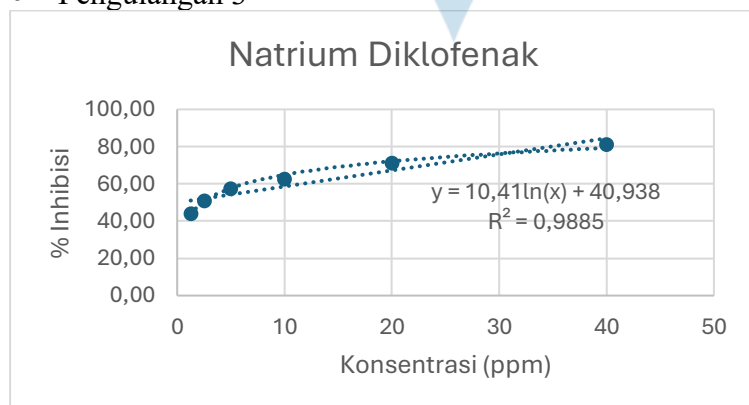


$$x = (50 - 40,469) / 10,703$$

$$x = 0,89$$

$$IC_{50} = 2,44$$

- Pengulangan 3



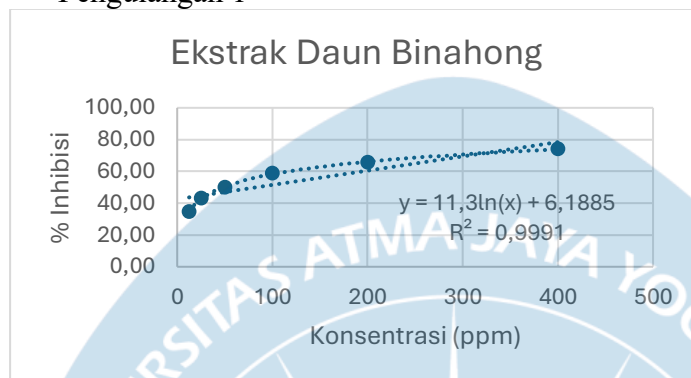
$$x = (50 - 40,469) / 10,703$$

$$x = 0,89$$

$$IC_{50} = 2,44$$

e. Grafik dan Nilai IC_{50} Ekstrak Daun Binahong

- Pengulangan 1

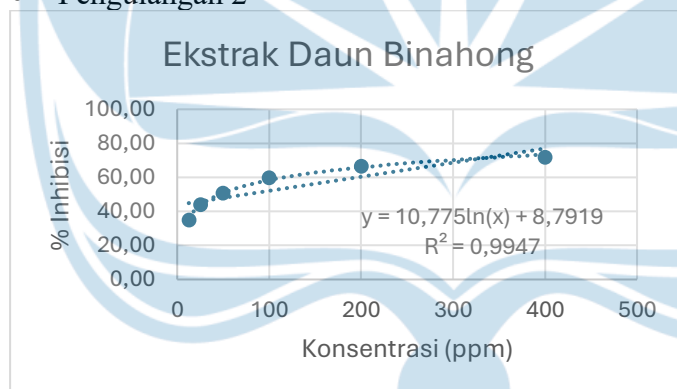


$$x = (50 - 6,1885) / 11,3$$

$$x = 3,88$$

$$IC_{50} = 48,29$$

- Pengulangan 2

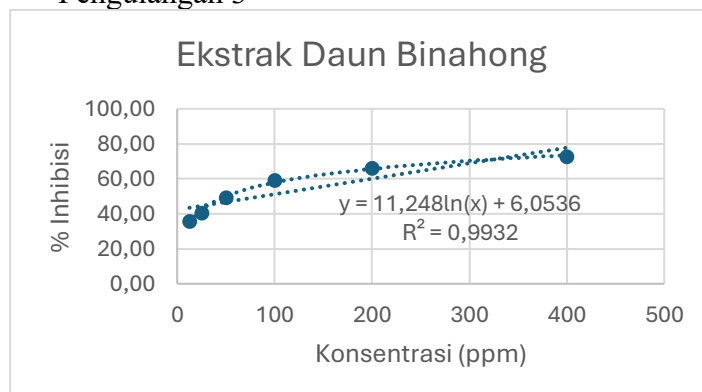


$$x = (50 - 8,7919) / 10,775$$

$$x = 3,82$$

$$IC_{50} = 45,81$$

- Pengulangan 3



$$x = (50 - 6,0536) / 11,248$$

$$x = 3,91$$

$$IC_{50} = 49,75$$

Lampiran 10. Hasil Uji-T SPSS

Grup Statistik

Sampel	N	Rata-Rata	Std. Deviasi	Galat Baku Rata-Rata
IC50 Natrium Diklofenak	3	2,5433	,22368	,12914
Ekstrak Daun Binahong	3	47,9500	1,99188	1,15001

Uji Sampel Independen

		Uji Levene untuk Homogenitas Varians		Uji-T untuk Kesamaan Rata-Rata						Rentang Kepercayaan 95%	
		F	Sig.	t	Derajat Bebas	Sig. (2-arah)	Selisih Rata-Rata	Galat Baku Selisih Rata-Rata		Batas Atas	Batas Bawah
IC50	Varians homogen	5,137	,086	-39,237	4	,000	-45,40667	1,15724		-48,61969	-42,19365
	Varians tidak homogen			-39,237	2,050	,001	-45,40667	1,15724		-50,27034	-40,54299

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