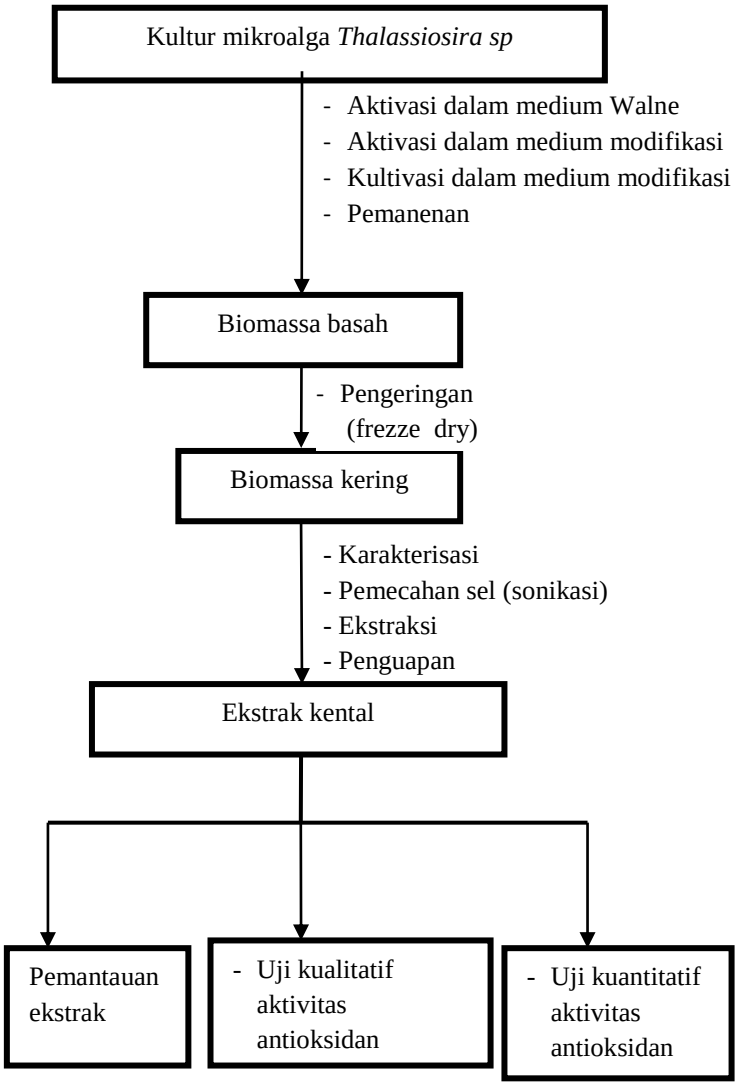
LAMPIRAN 1

Diagram Alir Penelitian

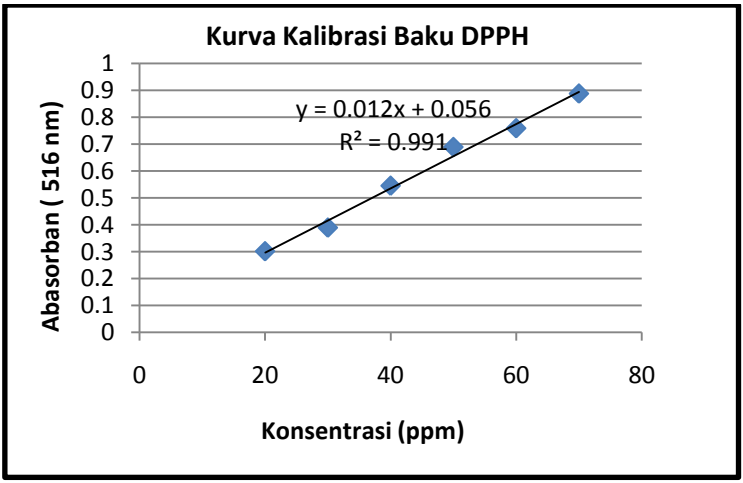


LAMPIRAN 2

KURVA KALIBRASI BAKU DPPH

Tabel VI.4 Kurva Kalibrasi Baku DPPH

Kontrol	Blanko	Konsentrasi (µ/ml)	Absorbansi 516 nm	Persamaan
DPPH	metanol p.a	20	0.301	y= 0.012x + 0.056
		30	0.389	
		40	0.545	
		50	0.689	
		60	0.759	
		70	0.888	

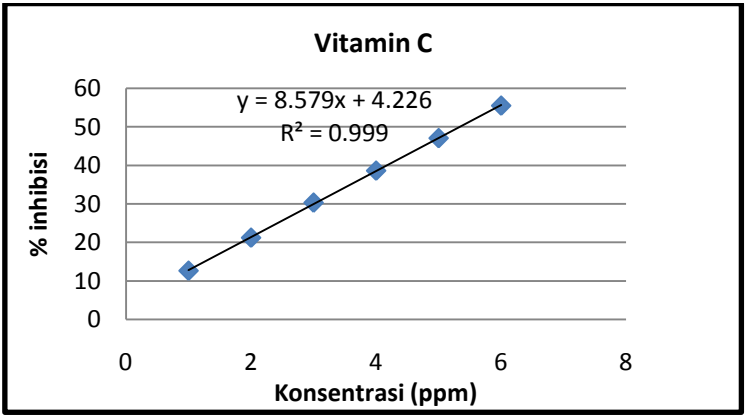


Gambar VI.10 Grafik Kurva Kalibrasi DPPH

LAMPIRAN 3

Tabel VI.5 Hasil Pengujian Aktivitas Antioksidan Vitamin C

Konsentrasi (µ/ml)	Abs control	Absorbansi 516 nm	% Inhibisi	Persamaan dan IC50
1	0.758	0.662	12.66	y= 8.579x +4.226
2	0.758	0.597	21.24	5.34
3	0.758	0.528	30.34	
4	0.758	0.465	38.65	
5	0.758	0.401	47.10	
6	0.758	0.337	55.54	



Gambar VI.7 Grafik Linearitas Vitamin C

Persamaan regresi linier

y = Bx + A

y = 8.579x + 4.226

Perhitungan IC_{50}

y = 8.579x + 4.226

50 = 8.579x + 4.226

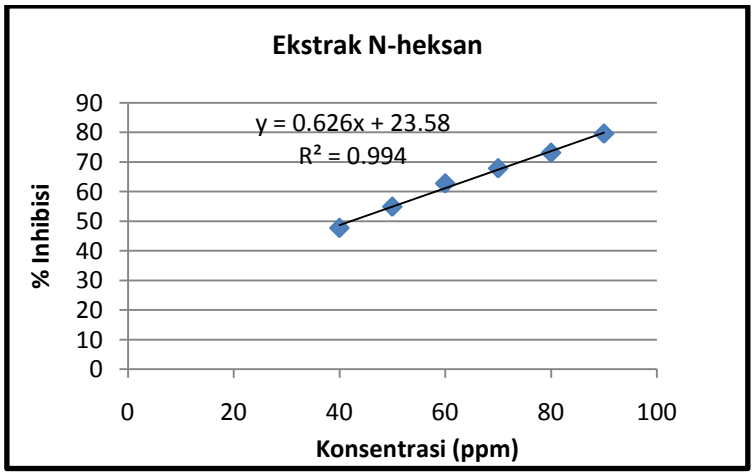
$x = \frac{50 - 4.226}{8.579}$ = 5,34 ppm.

LAMPIRAN 4

AKTIVITAS ANTIOKSIDAN EKSTRAK N-HEKSAN MIKROALGA *THALASSIOSIRA sp*

Tabel VI.6 Persen Inhibisi Ekstrak N-heksan Mikroalga *Thalassiosira sp.*

Konsentrasi (µ/ml)	Abs control	Absorbansi 516 nm			A Rata-rata	% Inhibisi	Persamaan dan IC50
		A1	A2	A3			
40	0.780	0.409	0.408	0.407	0.408	47.69	y= 0.626x + 23.58
50	0.780	0.351	0.352	0.353	0.352	54.87	42.20
60	0.780	0.290	0.292	0.290	0.291	62.74	
70	0.780	0.252	0.250	0.250	0.251	67.86	
80	0.780	0.209	0.210	0.210	0.210	73.12	
90	0.780	0.160	0.159	0.159	0.159	79.57	



Gambar VI.8 Grafik Linieritas Ekstrak N-heksan mikrolga *Thalassiosira sp.*

Persamaan regresi linier

$y = Bx + A$

$y = 0.626x + 23.58$

Perhitungan IC_{50}

$y = 0.626x + 23.58$

$50 = 0.626x + 23.58$

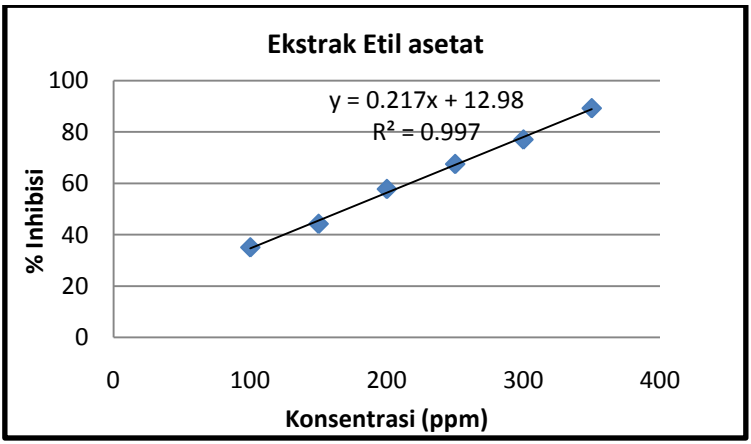
$x = \frac{50 - 23.58}{0.626}$ = 42,20 ppm

LAMPIRAN 5

AKTIVITAS ANTIOKSIDAN EKSTRAK ETIL ASETAT MIKROALGA *THALASSIOSIRA sp.*

Tabel VI.7 Persen Inhibisi Ekstrak Etil Asetat Mikroalga *Thalassiosira sp.*

Konsentrasi (µ/ml)	Abs control	Absorbansi 516 nm			A Rata-rata	% Inhibisi	Persamaan dan IC50
		A1	A2	A3			
100	0.810	0.527	0.526	0.526	0.526	35.02	y= 0.217x + 12.98
150	0.810	0.451	0.453	0.452	0.452	44.20	170.60
200	0.810	0.342	0.341	0.343	0.342	57.78	
250	0.810	0.262	0.264	0.263	0.263	170.60	
300	0.810	0.185	0.186	0.186	0.186	77.08	
350	0.810	0.087	0.086	0.087	0.087	89.30	



Gambar VI.9 Grafik Linieritas Ekstrak Etil Asetat Mikrolga *Thalassiosira sp.*

Persamaan regresi linier

$y = Bx + A$

y = 0.217x + 12.98

Perhitungan IC_{50}

y = 0.217x + 12.98

50 = 0.217x + 12.98

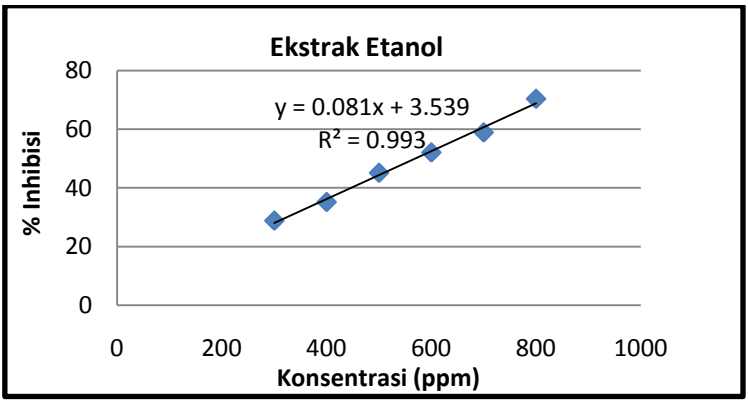
x = $\frac{50 - 12.98}{0.217}$ = 170,60 ppm

LAMPIRAN 6

AKTIVITAS ANTIOKSIDAN EKSTRAK ETANOL MIKROALGA *THALASSIOSIRA sp.*

Tabel VI.8 Persen Inhibisi Ekstrak Etanol Mikroalga *Thalasisosira sp.*

Konsentrasi (µ/ml)	Abs control	Absorbansi 516 nm			A Rata-rata	% Inhibisi	Persamaan dan IC50
		A1	A2	A3			
300	0.791	0.564	0.562	0.562	0.563	28.87	y= 0.081x + 3.539
400	0.791	0.511	0.513	0.513	0.512	35.23	573.59
500	0.791	0.434	0.434	0.433	0.434	45.17	
600	0.791	0.379	0.378	0.379	0.379	52.13	
700	0.791	0.325	0.325	0.324	0.325	58.95	
800	0.791	0.235	0.233	0.234	0.234	70.42	



Gambar VI.10 Grafik Linieritas Ekstrak Etanol Mikroalga *Thalassiosira sp.*

Persamaan regresi linier

$y = Bx + A$

$y = 0.081x + 3.539$

Perhitungan IC_{50}

$y = 0.081x + 3.539$

$50 = 0.081x + 3.539$

$x = \frac{50 - 3.539}{0.081} = 573, 59$ ppm