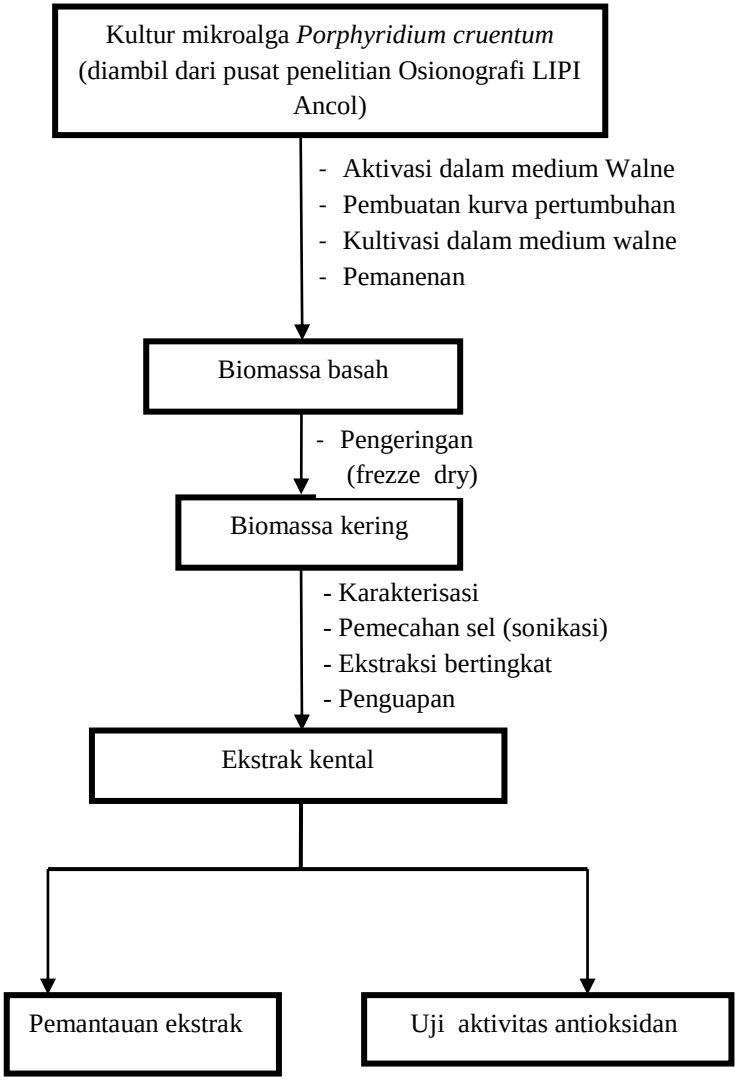
LAMPIRAN A

DIAGRAM ALIR PENELITIAN

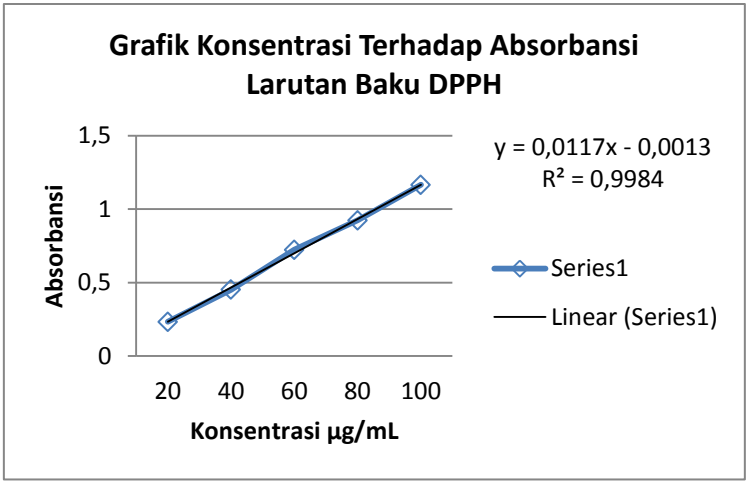


LAMPIRAN B

KURVA KALIBRASI BAKU DPPH

Tabel Kurva Kalibrasi Baku DPPH

Kontrol	Blanko	Konsentrasi (µ/ml)	Absorbansi 516 nm	Persamaan
DPPH	metanol p.a	20	0.233	y= 0.0117X + 0.0013
		40	0.452	
		60	0.733	
		80	0.923	
		100	1.165	



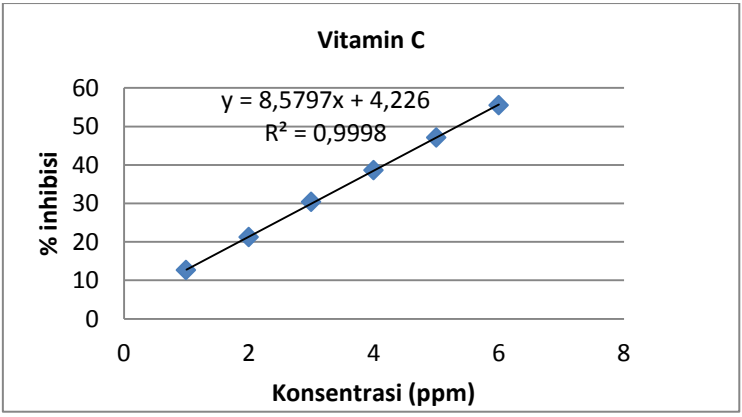
Grafik Kurva Kalibrasi DPPH

LAMPIRAN C

AKTIVITAS ANTIOKSIDAN VITAMIN C

Tabel Hasil Pengujian Aktivitas Antioksidan Vitamin C

Standar	Blanko	Konsentrasi (µ/ml)	Abs control	Absorbansi 516 nm	% Inhibisi	Persamaan dan IC50
VIT C	metanol p.a	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	



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

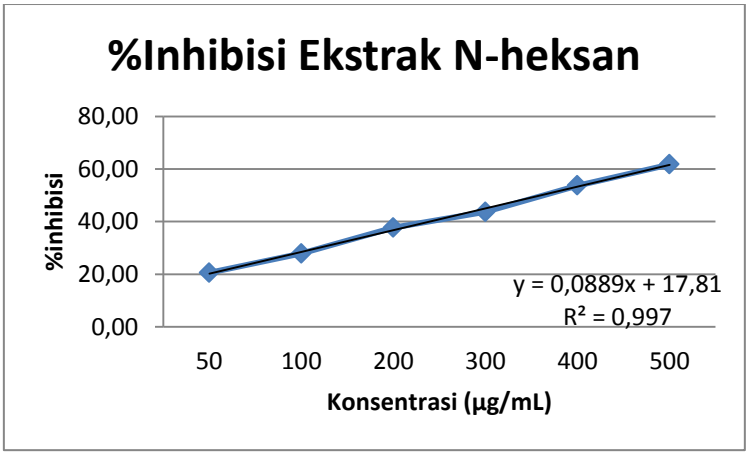
$x = \frac{50 - 4.226}{8.579}$ = 5,34 ppm

LAMPIRAN D

AKTIVITAS ANTIOKSIDAN EKSTRAK N-HEKSAN MIKROALGA *Porphyridium cruentum*

Tabel Persen inhibisi ekstrak N-heksan mikroalga *Porphyridium cruentum*

Konsentrasi (µg/mL)	Absorbansi	%inhibisi (%)
50	0,653	20,58
100	0,598	27,84
200	0,523	37,73
300	0,478	43,67
400	0,402	53,69
500	0,341	61,74



Grafik Linieritas Ekstrak N-heksan mikrolga *Porphyridium cruentum*

Persamaan regresi linier

$y = Bx + A$

$y = 0.0889x + 17,81$

Perhitungan IC_{50}

$y = 0.0889x + 17,81$

$50 = 0.0889x + 17,81$

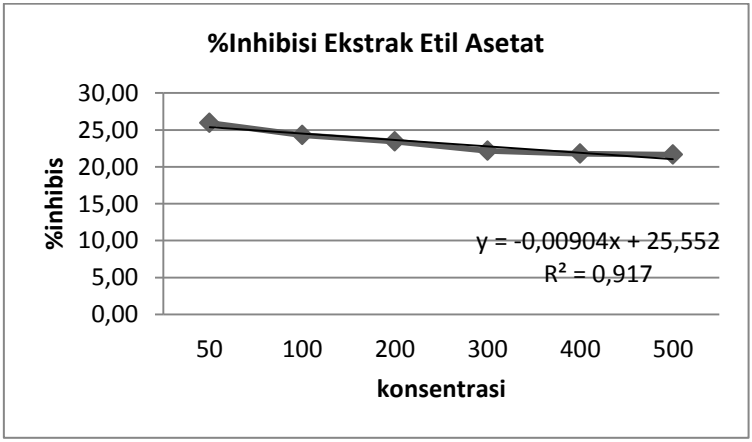
$x = \frac{50 - 17,81}{0.0889}$ = 362,09 ppm

LAMPIRAN E

AKTIVITAS ANTIOKSIDAN EKSTRAK ETIL ASETAT MIKROALGA *Porphyridium cruentum*

Tabel Persen inhibisi ekstrak Etil asetat mikroalga *Porphyridium cruentum*

Konsentrasi (µg/mL)	Absorbansi	%inhibisi (%)
50	0,588	25,94
100	0,601	24,31
200	0,608	23,43
300	0,618	22,17
400	0,621	21,79
500	0,622	21,66



Grafik Linieritas Ekstrak Etil asetat mikrolga *Porphyridium cruentum*

Persamaan regresi linier

y = Bx + A

y = -0.00904x + 25,552

Perhitungan IC_{50}

y = 0.00904x + 25,552

50 = 0.00904x + 25,552

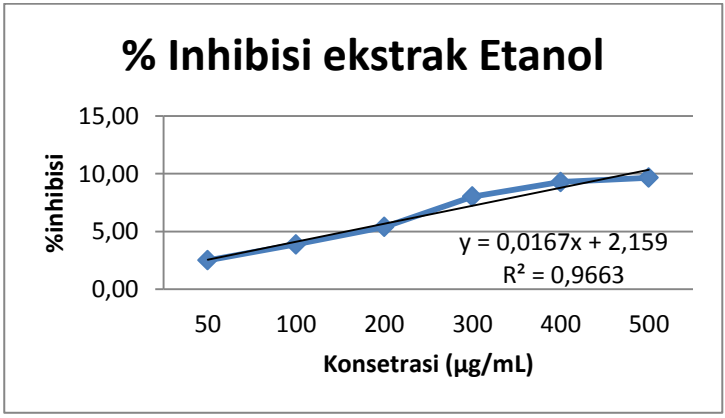
$x = \frac{50 - 25{,}552}{0.00904}$ = 2704,4 ppm

LAMPIRAN F

AKTIVITAS ANTIOKSIDAN EKSTRAK ETANOL MIKROALGA *Porphyridium cruentum*

Tabel Persen inhibisi ekstrak Etanol mikroalga *Porphyridium cruentum*

Konsentrasi (µg/mL)	Absorbansi	%inhibisi (%)
50	0,778	2,51
100	0,767	3,88
200	0,755	5,39
300	0,734	8,02
400	0,724	9,27
500	0,721	9,65



Grafik Linieritas Ekstrak Etanol mikroalga *Porphyridium cruentum*

Persamaan regresi linier

y = Bx + A

y = 0.0167x + 2,159

Perhitungan IC_{50}

y = 0.0167x + 2,159

50 = 0.0167x + 2,159

$x = \frac{50 - 2,159}{0.0167} = 2878$ ppm