

DAFTAR PUSTAKA

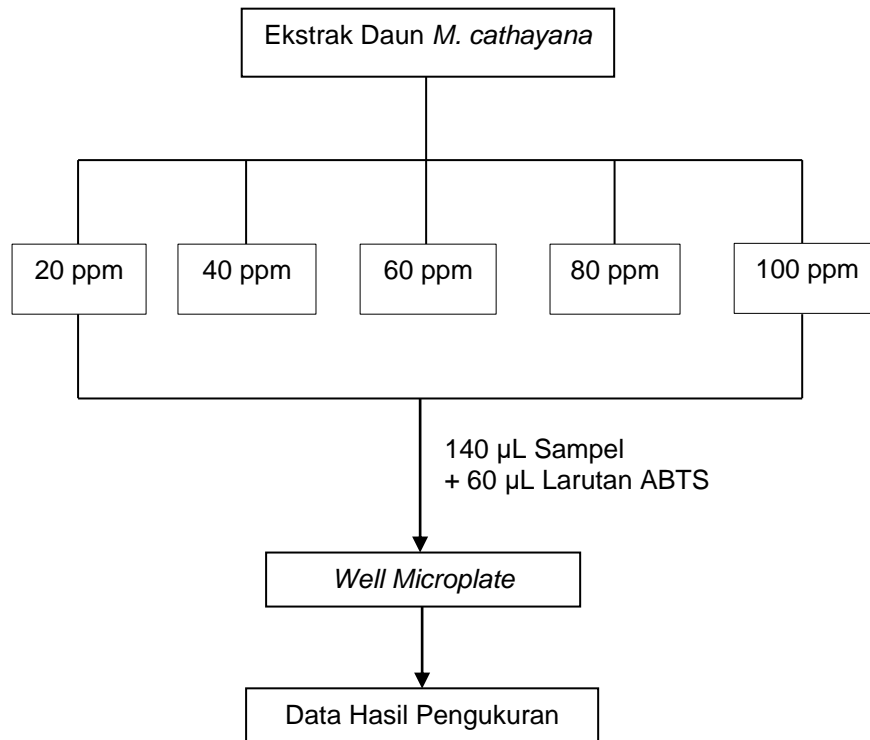
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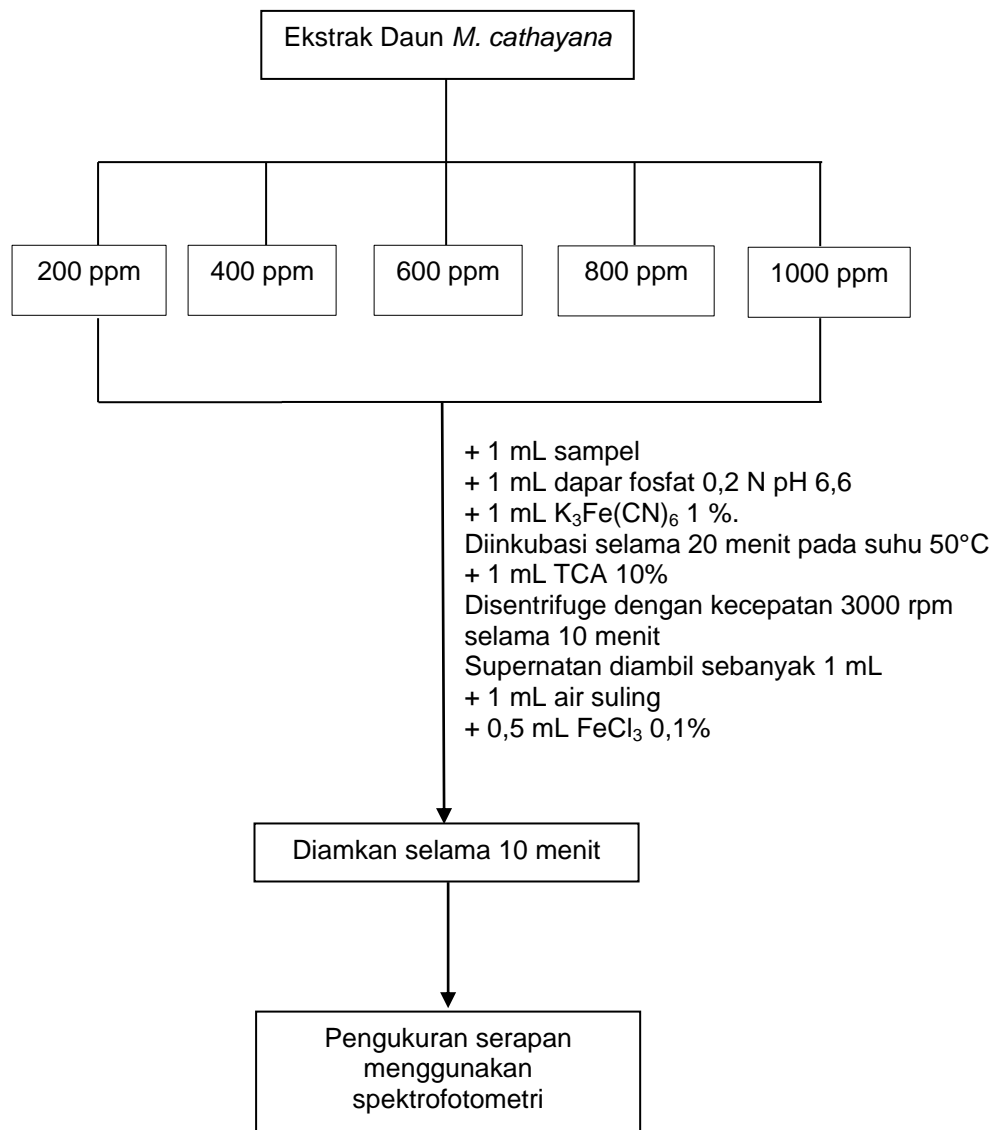
Lampiran

Lampiran 1. Skema Kerja Penelitian

1.1 Skema Kerja uji Aktivitas Antioksidan Metode ABTS



1.2 Skema Kerja Uji Aktivitas Antioksidan Metode FRAP



Lampiran 2. Perhitungan

2.1 Perhitungan Metode ABTS

Tabel 4. Hasil Pengukuran Aktivitas Antioksidan Asam Askorbat metode ABTS

No	Zat Uji	Konsentrasi (ppm)	Serapan	Rata-rata Serapan	%Inhibisi radikal bebas	IC ₅₀
1	Blanko ABTS	Blanko	0,868	0,853		
			0,838			
2	Asam Askorbat	15	0,691	0,694	18,64	47,94
			0,697			
		30	0,511	0,507	40,62	
			0,502			
		45	0,403	0,407	52,34	
			0,41			
		60	0,393	0,392	54,10	
			0,39			
		75	0,236	0,235	72,45	
			0,234			

Persentase Inhibisi Radikal Bebas Asam askorbat

$$\text{Konsentrasi} = \frac{(\text{Rata-rata serapan blanko}) - (\text{Rata-rata serapan sampel})}{\text{Rata-rata serapan blanko}} \times 100\%$$

$$\text{Konsentrasi 15 ppm} = \frac{0,853 - 0,694}{0,853} \times 100\% = 18,64\%$$

$$\text{Konsentrasi 30 ppm} = \frac{0,853 - 0,507}{0,853} \times 100\% = 40,62\%$$

$$\text{Konsentrasi 45 ppm} = \frac{0,853 - 0,407}{0,853} \times 100\% = 52,34\%$$

$$\text{Konsentrasi 60 ppm} = \frac{0,853 - 0,392}{0,853} \times 100\% = 54,10\%$$

$$\text{Konsentrasi 75 ppm} = \frac{0,853 - 0,235}{0,853} \times 100\% = 72,45\%$$