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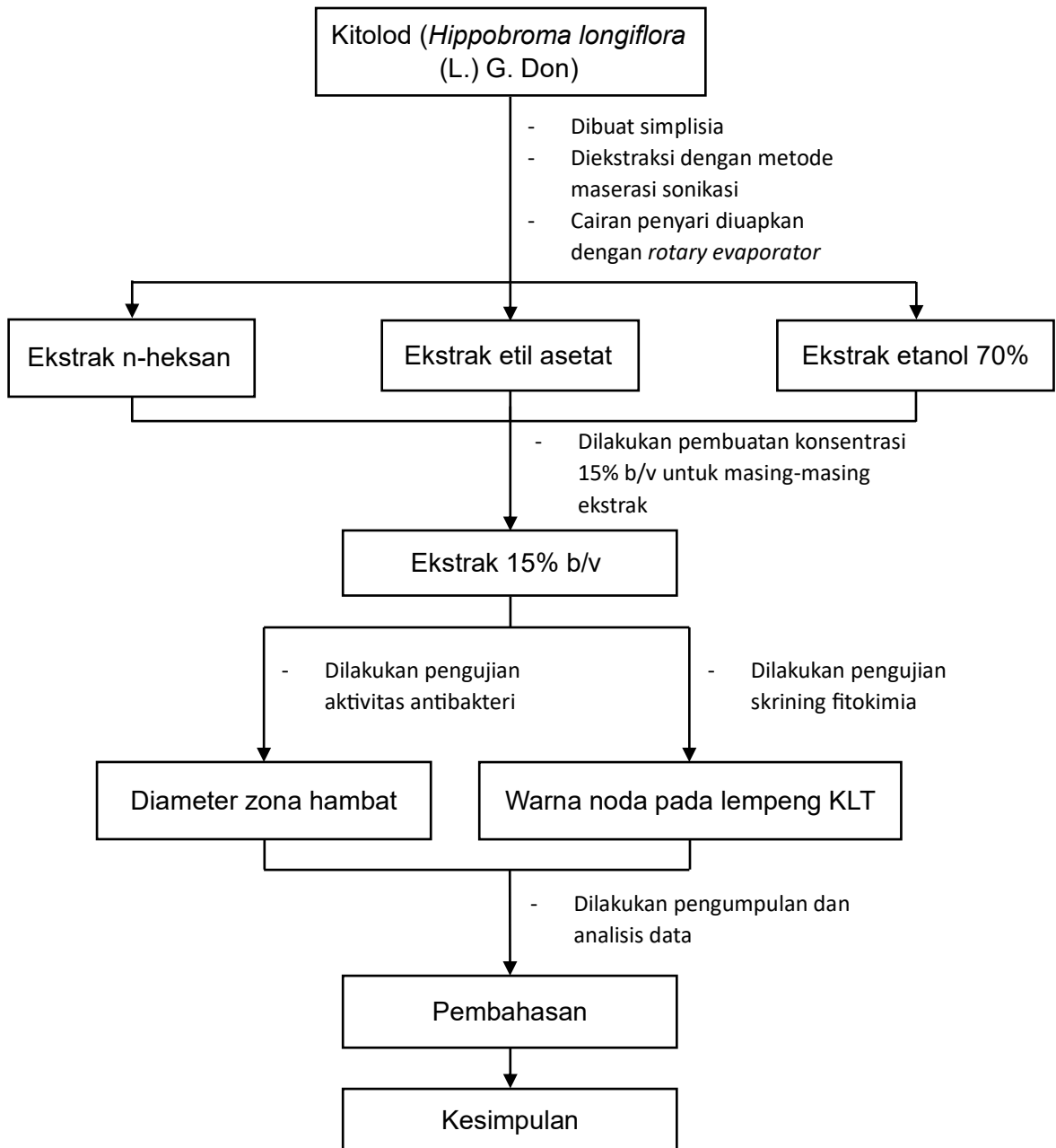
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LAMPIRAN

Lampiran 1. Skema kerja penelitian



Lampiran 2. Perhitungan

Lampiran 2a. Konsentrasi ekstrak

Konsentrasi ekstrak yang digunakan = 15% b/v dalam 1 mL

$$15\% \text{ b/v dalam } 1 \text{ mL} = \frac{15 \text{ g}}{100 \text{ mL}} \times 1 \text{ mL} = 0,15 \text{ g dalam } 1 \text{ mL}$$

Jumlah ekstrak yang digunakan pada *paper disc* = 40 μl

$$\text{Bobot ekstrak per } \textit{paper disc} = \frac{150 \text{ mg}}{1000 \mu\text{l}} \times 40 \mu\text{l} = 6 \text{ mg}$$

Lampiran 2b. Persen rendemen

$$\text{Ekstrak n-heksan} = \frac{1,07 \text{ g}}{40 \text{ g}} \times 100\% = 2,68\%$$

$$\text{Ekstrak etil asetat} = \frac{1,77 \text{ g}}{40 \text{ g}} \times 100\% = 4,43\%$$

$$\text{Ekstrak etanol } 70\% = \frac{5,71 \text{ g}}{40 \text{ g}} \times 100\% = 14,28\%$$

Lampiran 2c. Diameter zona hambat

Tabel 4. Hasil pengukuran uji aktivitas antibakteri ekstrak n-heksan herba kitolod

Replikasi	Diameter zona hambat ekstrak n-heksan (mm)	Rata-rata tiap replikasi	Rata-rata keseluruhan	SD
1	8,34	8,02	8,23	0,22
	7,90			
	7,81			
2	8,37	8,20	8,23	0,22
	8,17			
	8,05			
3	8,32	8,46	8,23	0,22
	7,94			
	9,11			

Tabel 5. Hasil pengukuran uji aktivitas antibakteri ekstrak etil asetat herba kitolod

Replikasi	Diameter zona hambat ekstrak n-heksan (mm)	Rata-rata tiap replikasi	Rata-rata keseluruhan	SD
1	6	6	6,12	0,20
	6			
	6			
2	6,60	6,35	6,12	0,20
	6,23			
	6,22			

3	6	6
	6	
	6	

Tabel 6. Hasil pengukuran uji aktivitas antibakteri ekstrak etanol 70% herba kitolod

Replikasi	Diameter zona hambat ekstrak n-heksan (mm)	Rata-rata tiap replikasi	Rata-rata keseluruhan	SD
1	8,22	8,23	7,51	0,96
	8,26			
	8,25			
2	7,97	7,57		
	7,74			
	7,90			
3	6,10	6,42		
	6,62			
	6,54			

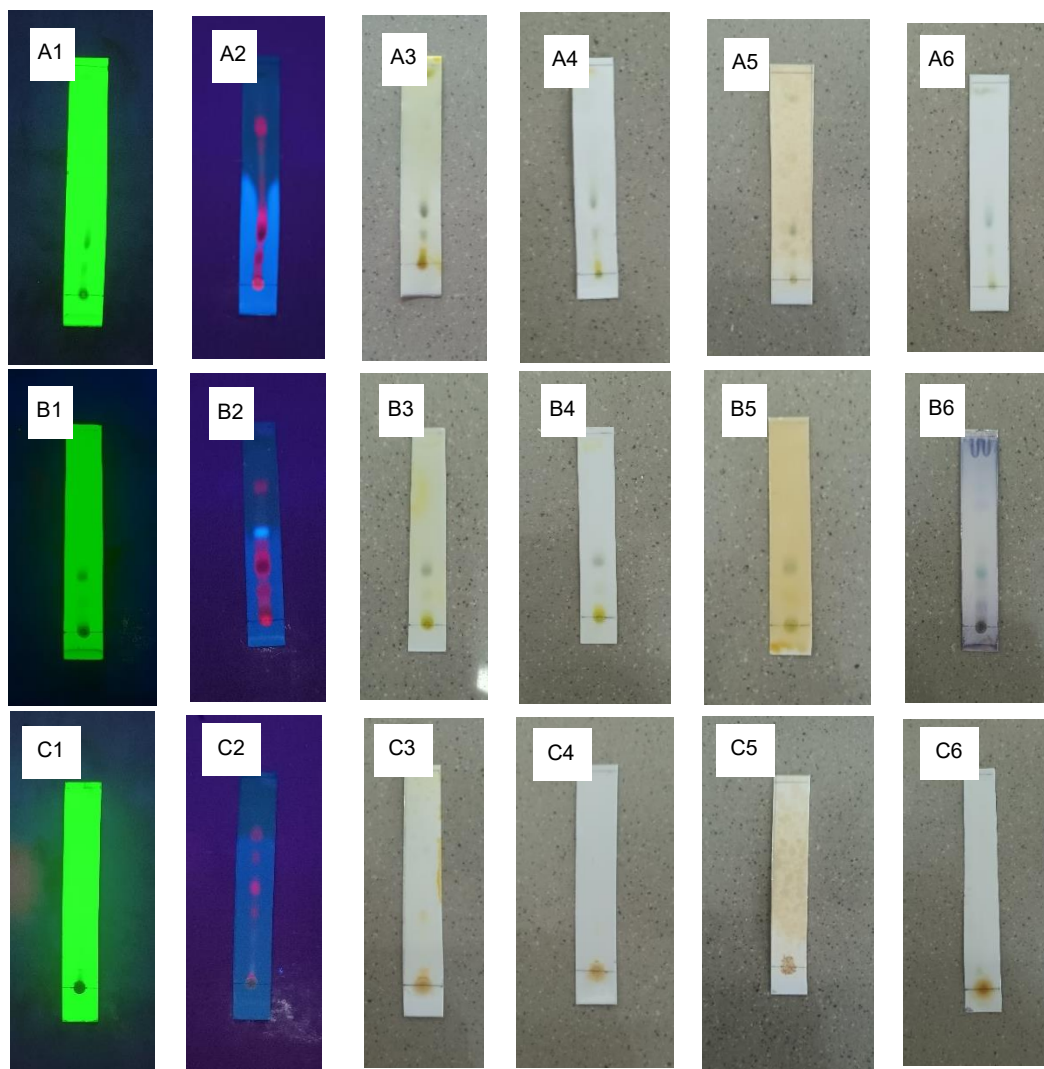
Lampiran 3. Komposisi medium

Tabel 7. Komposisi medium *Nutrient Agar* (NA)

Nama bahan	Jumlah
<i>Extract beef</i>	3,0 g
Pepton	5,0 g
Agar	15,0 g
Aquades	hingga 1000 mL

Tabel 8. Komposisi medium *Mueller Hinton Agar* (MHA)

Nama bahan	Jumlah
<i>Extract beef</i>	2,0 g
<i>Casein hydrolysate</i>	17,5 g
<i>Starch</i>	1,5 g
Agar	17,0 g
Aquades	hingga 1000 mL

Lampiran 4. Hasil skrining fitokimia pada lempeng KLT

Gambar 2. Hasil lempeng KLT pada (A) ekstrak n-heksan, (B) ekstrak etil asetat, dan (C) ekstrak etanol 70% dibawah sinar UV (1) 254 nm dan (2) 366 nm serta uji skrining fitokimia untuk senyawa (3) alkaloid, (4) flavonoid, (5) polifenol dan (6) terpenoid

Lampiran 5. Dokumentasi penelitian



Gambar 3. Sampel herba kitolod



Gambar 4. Hasil pembuatan simplisia



Gambar 5. Proses ekstraksi simplisia



Gambar 6. Proses penguapan pelarut ekstrak menggunakan rotavapor



Gambar 7. Proses pengujian aktivitas antibakteri



Gambar 8. Proses KLT