

DAFTAR PUSTAKA

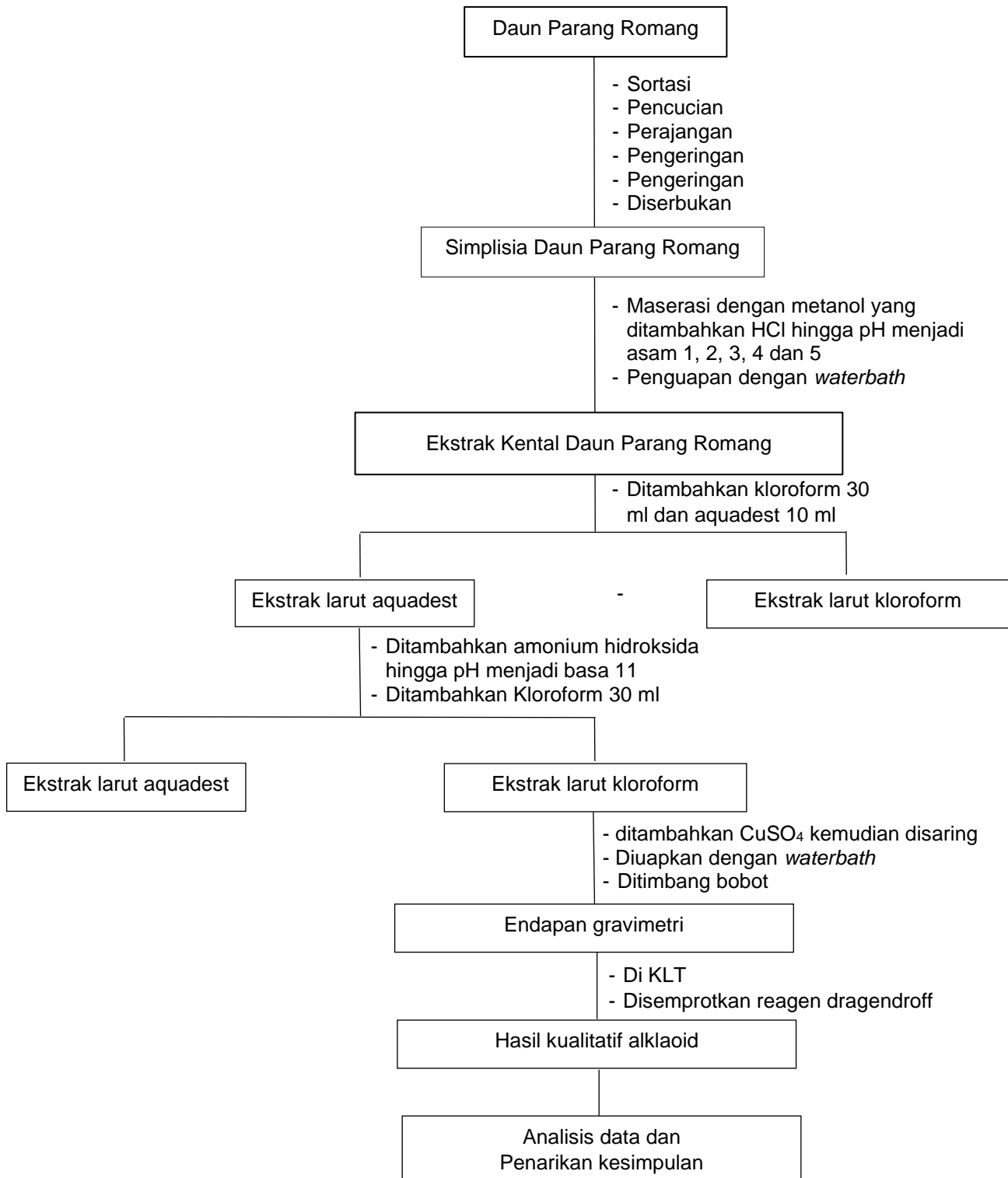
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LAMPIRAN

Lampiran 1. Skema Kerja



Lampiran 2. Perhitungan

Tabel 4. Hasil rendemen ekstraksi daun *Boehmeria virgata* (Forst.) Guill

pH	Replikasi	Bobot Simplisia (g)	Bobot Ekstrak (g)	Rendemen (%)	Rata-rata Rendemen (%)
1	1	5 g	0,29	5,8	5,5
	2		0,27	5,4	
	3		0,26	5,2	
2	1		0,24	4,8	5,3
	2		0,27	5,4	
	3		0,28	5,6	
3	1		0,21	4,2	4,7
	2		0,26	5,2	
	3		0,24	4,8	
4	1	0,18	3,6	3,9	
	2	0,19	3,8		
	3	0,21	4,2		
5	1	0,16	3,2	3,5	
	2	0,13	2,6		
	3	0,16	3,2		

1. Persen rendemen ekstrak

$$\text{Rendemen (\%)} = \frac{\text{Bobot akhir ekstrak (g)}}{\text{Bobot awal simplisia}} \times 100\%$$

2. Rata-rata rendemen

$$\text{Rata-rata} = \frac{\text{hasil replikasi 1} + \text{hasil replikasi 2} + \text{hasil replikasi 3}}{3} \times 100\%$$

Tabel 5. Hasil kadar alkaloid dari ekstraksi daun *Boehmeria virgata* (Forst.) Guill
Hasil kadar alkaloid dari ekstraksi daun *Boehmeria virgata* (Forst.) Guill

pH	Replikasi	Bobot Simplisia (g)	Tabung eppendorf (g)	endapan + tabung eppendorf (g)	Berat endapan (%b/b)	Rata-rata Berat endapan (% b/b)
1	1	5 g	0,8713	0,8912	0,398	0,393
	2		0,7845	0,8039	0,396	
	3		0,8392	0,8585	0,386	
2	1		0,8682	0,8869	0,374	0,375
	2		0,8045	0,8234	0,378	
	3		0,7783	0,7968	0,3718	
3	1		0,7998	0,8141	0,286	0,300
	2		0,8572	0,8729	0,314	
	3		0,8673	0,8824	0,302	

4	1	0,7984	0,8122	0,276	0,280
	2	0,8431	0,8575	0,288	
	3	0,8697	0,8836	0,278	
5	1	0,7747	0,7856	0,218	0,220
	2	0,8529	0,8641	0,224	
	3	0,7843	0,7953	0,22	

3. Kadar alkaloid

$$\% \text{ alkaloid} = \frac{(\text{berat endapan+tabung}) - \text{berat tabung kosong}}{\text{berat sampel}} \times 100\%$$

4. Rata-rata berat endapan

$$\text{Rata-rata} = \frac{\text{hasil replikasi 1} + \text{hasil replikasi 2} + \text{hasil replikasi 3}}{3} \times 100\%$$

5. Perhitungan nilai Rf

$$\text{Nilai Rf} = \frac{\text{jarak tempuh noda}}{\text{jarak tempuh eluen}} = \frac{2,2}{6} = 0,37$$

Lampiran 3. Dokumentasi Penelitian



Gambar 10. Pengambilan sampel



Gambar 11. Pencucian sampel



Gambar 12. Perajangan sampel



Gambar 13. pengeringan sampel



Gambar 14. Hasil Pengeringan



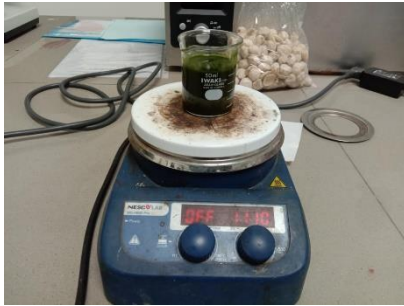
Gambar 15. Penyerbukan simplisia



Gambar 16. Penimbangan sampel



Gambar 17. pengukuran pH



Gambar 18. Proses ekstraksi



Gambar 19. Penyaringan sampel



Gambar 20. Hasil Penyaringan sampel



Gambar 21. Penguapan pelarut



Gambar 22. Penimbangan wadah



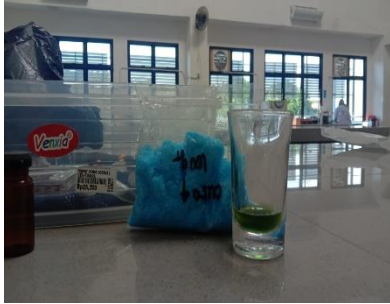
Gambar 23. Penimbangan ekstrak



Gambar 24. Proses partisi



Gambar 25. Hasil Partisi



Gambar 26. penambahn CuSO_4



Gambar 27. penimbangan bobot



Gambar 28. Proses KLT

