

ABSTRAK

UJI DAYA HAMBAT EKSTRAK ETANOL 96% DAUN SENGKUANG (*Dracontomelon dao(Blanco)*) TERHADAP BAKTERI *Shigella dysenteriae*. (Oleh Siti Sri Rahmayanti; Pembimbing Fitriyanti dan Putri Kartika Sari; 2024; 90 Halaman)

Disentri atau diare akut yang disertai dengan feses cair bercampur darah dan lendir disebabkan oleh bakteri. Tanaman sengkung (*Dracontomelon dao(Blanco)*) terbukti memiliki aktivitas antibakteri. Tujuan penelitian ini untuk mengetahui konsentrasi daya hambat minimum daun sengkung (*Dracontomelon dao(Blanco)*) terhadap bakteri *Shigella dysenteriae*. Metode pengujian ekstrak etanol 96% daun sengkung (*Dracontomelon dao(Blanco)*) terhadap bakteri *Shigella dysenteriae* dengan metode sumuran dan 4 variasi konsentrasi yaitu : 20%, 15%, 10% dan 5%. Hasil uji skrining fitokimia ekstrak etanol 96% daun sengkung (*Dracontomelon dao(Blanco)*) memiliki kandungan senyawa alkaloid, flavonoid, saponin, tanin dan steroid. Hasil uji daya hambat minimum pada konsentrasi 5% dan 10% memiliki zona hambat sedang.

Kata Kunci : Sengkung, *Dracontomelon dao(Blanco)*, Antibakteri, *Shigella dysenteriae*.

ABSTRACT

TESTING THE INHIBITION OF 96% ETHANOL EXTRACT OF SENGKUANG LEAVES (*Dracontomelon dao* (Blanco)) AGAINST THE BACTERIA *Shigella dysenteriae*. (By Siti Sri Rahmayanti; Advisor Fitriyanti and Putri Kartika Sari; 2024; 90 Pages)

Dysentery or acute diarrhea accompanied by liquid feces mixed with blood and mucus is caused by bacteria. Sengkuang (*Dracontomelon dao*(Blanco)) has been proven to have antibacterial activity. The aim of this research was to determine the minimum inhibitory concentration of sengkuang leaves (*Dracontomelon dao*(Blanco)) against *Shigella dysenteriae* bacteria. Test method for 96% ethanol extract of sengkuang leaves (*Dracontomelon dao*(Blanco)) against *Shigella dysenteriae* using the well method and 4 concentration variations, namely : 20%, 15%, 10% and 5%. The results of the phytochemical screening test of 96% ethanol extract of sengkuang leaves (*Dracontomelon dao*(Blanco)) contain alkaloids, flavonoids, saponins, tannins and steroids. Minimum inhibition test result at a concentration of 5% and 10% have moderate inhibition zone.

Keywords : Sengkuang, *Dracontomelon dao*(Blanco), Antibacterial, *Shigella dysenteriae*