

ABSTRACT

Antimicrobial tested and Isolation Secondary Metabolite from *Barleria prionitis* L. extracts.

Barleria prionitis is one of traditional medical plant distributed in Indonesia, Philippines, Malaysia, and Asia tropic, that most commonly used as antimicrobial agent. Indian researchers reported that *B.prionitis* extracts inhibit the growth of pathogenic bacteria. In this experiment, were used n-hexane, chloroform, and methanolic extracts of leaves and stem of *B.prionitis* from Indonesia. The antimicrobial activity were tested against *Staphylococcus aureus*, *Bacillus subtilis*, *Escherichia coli* and *Candida albicans* by the disc diffusion method.

The result showed that the samples did not show inhibitor zone at concentration 0,4 mg/disc. Isolation of secondary metabolite from methanol and chloroform extracts were undertaken, a mixture of terpenoid or steroid compound were obtained.

Keywords : Antimicrobial activity, Disc diffusion method, Isolation, Seconder metabolite, *Barleria prionitis* L.