

## ABSTRAK

Nama : Nuke Paramitha Dewanti  
Program Studi : Farmasi  
Judul : Uji Aktivitas Antibakteri Infusa Daun Sempur (*Dillenia suffruticosa* (Griff.) Martelli) Terhadap *Shigella dysenteriae* dan *Staphylococcus aureus*.

Daun Sempur (*Dillenia suffruticosa* (Griff.) Martelli) termasuk tanaman Genus *Dillenia* yang dimanfaatkan sebagai penyembuh luka, menurunkan demam, rematik, antitumor, antioksidan, antivirus dan antibakteri. Daun sempur (*Dillenia suffruticosa* (Griff.) Martelli) mengandung senyawa alkaloid, flavonoid, saponin dan tanin. Tujuan penelitian ini adalah untuk mengetahui aktivitas antibakteri infusa daun sempur (*Dillenia suffruticosa* (Griff.) Martelli) terhadap *Shigella dysenteriae* dan *Staphylococcus aureus*. Bahan uji daun sempur diperoleh dari Desa Pedindang, Kepulauan Bangka Belitung. Ekstrak dibuat secara infusa serbuk daun sempur (*Dillenia suffruticosa* (Griff.) Martelli) dipanaskan selama 15 menit dalam suhu 90°C menggunakan aquadest. Pengujian aktivitas antibakteri dilakukan dengan mengukur Diameter Daya Hambat (DDH) menggunakan difusi cakram dengan kontrol positif Ciprofloxacin dan Aquadest sebagai kontrol negatif. Hasil penelitian ini menunjukkan bahwa infusa daun sempur (*Dillenia suffruticosa* (Griff.) Martelli) tidak memiliki aktivitas antibakteri terhadap *Shigella dysenteriae* dan *Staphylococcus aureus*.

Kata kunci :

Aktivitas antibakteri, *Dillenia suffruticosa*, Infusa, *Shigella dysenteriae*, *Staphylococcus aureus*

## ABSTRACT

Nama : Nuke Paramitha Dewanti  
Study Program : Pharmacy  
Title : Antibacterial Activity Test of Sempur Leaf Infusion (*Dillenia suffruticosa* (Griff.) Martelli) Against *Shigella dysenteriae* and *Staphylococcus aureus*.

Sempur leaves (*Dillenia suffruticosa* (Griff.) Martelli) are classified as one of the genus *Dillenia* plant which are used as wound healers, fever reducer, antirheumatic, antitumor, antioxidant, antiviral and antibacterial. In Bangka Belitung Province, sempur leaves are used by the society as a traditional dish wrapper such as lontong, lakso, pepes, and tempeh. Sempur leaves (*Dillenia suffruticosa* (Griff.) Martelli) contain alkaloids, flavonoids, saponins and tannins. The purpose of this study is to determine the antibacterial activity of sempur leaf infusion (*Dillenia suffruticosa* (Griff.) Martelli) against *Shigella dysenteriae* and *Staphylococcus aureus*. The sempur leaf test material was obtained from Pedindang Village, Bangka Belitung Island. The extract was made by infusing the leaf powder of sempur (*Dillenia suffruticosa* (Griff.) Martelli) and heated at 90°C using aquadest. Antibacterial activity was tested by measuring the Inhibitory Diameter (DDH) using disc diffusion with positive control Ciprofloxacin and Aquadest as negative control. The results of this study showed that the leaf infusion of sempur (*Dillenia suffruticosa* (Griff.) Martelli) does not have antibacterial activity against *Shigella dysenteriae* and *Staphylococcus aureus*.

Keywords:

Antibacterial activity, *Dillenia suffruticosa*, Infusion, *Shigella dysenteriae*, *Staphylococcus aureus*