

**PEMBUATAN SABUN CAIR ANTISEPTIK DARI EKSTRAK ETANOL
BUAH ANDALIMAN TERHADAP DAYA HAMBAT BAKTERI
*STAPHYLOCOCCUS AUREUS***

ABSTRAK

Telah dilakukan penelitian tentang pembuatan sabun cair antiseptik dari ekstrak etanol buah andaliman terhadap daya hambat bakteri *staphylococcus aureus*. Andaliman (*Zanthoxylum acanthopodium* DC) merupakan tanaman asli dari Sumatera Utara yang tumbuh liar dan dimanfaatkan sebagai pemberi cita rasa khas dalam masakan tradisional (Permen & Utara, 2009). Tumbuhan andaliman mengandung banyak vitamin dan mineral, seperti vitamin A, zat besi, mangan, kalium, zinc, dan fospor. Tidak hanya itu andaliman juga mengandung berbagai jenis antioksidan seperti pitosterol, terpen, karoten dan antibakteri seperti alkaloid, amida, flavonoid, lignan, sterol, terpen, dll. Penelitian ini bertujuan untuk mengetahui aktivitas antibakteri ekstrak buah andaliman dalam sediaan sabun cair terhadap bakteri *Staphylococcus aureus*. Ekstrak buah andaliman dibuat dengan metode maserasi menggunakan pelarut etanol 96%. Selanjutnya ekstrak tersebut diformulasikan menjadi sediaan sabun cair berbagai formulasi F0, F1, F2, F3, dengan variasi konsentrasi ekstrak F0 (0%), F1 (15%), F2 (30%), F3 (45%). Aktivitas antibakteri terhadap bakteri *Staphylococcus aureus* yang paling efektif adalah pada F2 (15%) dengan daya hambat 16,3 mm.

Kata Kunci : Antiseptik, Maserasi, Sabun cair antiseptik, *Staphylococcus aureus*, Uji daya hambat bakteri.

**MANUFACTURING ANTISEPTIC LIQUID SOAP FROM
ANDALIMAN FRUIT ETHANOL EXTRACT AGAINST
STAPHYLOCOCCUS AUREUS BACTERIA INHIBITORY**

ABSTRACT

*Research has been carried out on the manufacture of antiseptic liquid soap from the ethanolic extract of andaliman fruit against the inhibition of staphylococcus aureus bacteria. Andaliman (*Zanthoxylum acanthopodium* DC) is a native plant from North Sumatra that grows wild and is used as a distinctive flavoring agent in traditional cuisine (Candy & North, 2009). Andaliman plants contain many vitamins and minerals, such as vitamin A, iron, manganese, potassium, zinc, and phosphorus. Not only that andaliman also contains various types of antioxidants such as phytosterols, terpenes, carotenes and antibacterials such as alkaloids, amides, flavonoids, lignans, sterols, terpenes, etc. This study aims to determine the antibacterial activity of andaliman fruit extract in liquid soap preparations against *Staphylococcus aureus* bacteria. Andaliman fruit extract was made by maceration method using 96% ethanol as solvent. Furthermore, the extract was formulated into liquid soap with various formulations F0, F1, F2, F3, with various extract concentrations F0 (0%), F1 (15%), F2 (30%), F3 (45%). The most effective antibacterial activity against *Staphylococcus aureus* was at F2 (15%) with an inhibitory power of 16.3 mm.*

Keywords: Antiseptic, antiseptic liquid soap, Bacterial inhibition tes, Maceration, Staphylococcus aureus.