**UJI ANTIBAKTERI SEDIAAN SABUN CUCI TANGAN EKSTRAK ETANOL DAUN PANDAN (*Pandanus amaryllifolius* Roxb) TERHADAP BAKTERI** Staphylococcus aureus

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**ABSTRAK**

Pandan wangi merupakan tanaman yang sering dimanfaatkan daunnya sebagai bahan tambahan makanan, umumnya sebagai bahan pewarna hijau dan pemberi aroma. Selain kegunaan tersebut, pandan wangi juga dilaporkan memiliki aktivitas anti diabetik pada ekstrak air, antioksidan pada ekstrak air dan methanol, antibakteri pada ekstrak etanol dan etil asetat. Tujuan penelitian ini adalah untuk membuat suatu sediaan sabun cuci tangan dari ekstrak etanol daun pandan dan menguji antibakteri terhadap bakteri *Staphylococcus aureus.*

Sediaan sabun cuci tangan ekstrak daun pandan untuk menguji antibakteri menggunakan konsentrasi 5%,10%,dan 15%. Evaluasi sediaan meliputi uji organoleptis, uji homogenitas, uji tinggi busa, uji pH, dan uji Bobot jenis.

Hasil uji antibakteri sediaan sabun cuci tangan ekstrak daun pandan terhadap bakteri *Staphylococcus aureus* menunjukan pada konsentrasi 5% rata-rata diameter hambat 8,86 mm; konsentrasi 10% sebesar 9,2 mm; konsentrasi 15% sebesar 10,3 mm, kontrol negatif tidak memiliki aktivitas anti bakteri, sedangkan kontrol positif memiliki dia meter hambat 17 mm. Sabun cuci tangan ekstrak daun pandan yang di hasilkan memenuhi persyaratan pH, tinggi busa, homogenitas, dan bobot jenis.

*Katakunci: Pandanus amaryllifolius* Roxb, *Sabun cuci tangan , Staphylococcus aureus*

***ANTIBACTERIAL TEST OF PANDAN LEAF (Pandanusamaryllifolius Roxb) ETHANOL EXTRACT AGAINST Staphylococcus aureus***

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**ABSTRACT**

Fragrant pandan was a plant whose leaves are often used as food additives, generally as a green dye and flavoring agent. In addition to these uses, fragrant pandan was also reported to have anti-diabetic activity in aqueous extracts, antioxidants in aqueous and methanolic extracts, antibacterial in ethanol and ethyl acetate extracts. Staphylococcus aureus.

The formulation of pandan leaf extract hand soap to test antibacterial using concentrations of 5%, 10%, and 15%. Evaluation of the preparation includes organoleptic test, homogeneity test, foam height test, pH test, and specific gravity test.

The results of antibacterial test for hand soap preparations of pandan leaf extract against Staphylococcus aureus bacteria showed that at a concentration of 5% the average inhibition diameter was 8.86 mm; 10% concentration of 9.2 mm; 15% concentration was 10.3 mm, the negative control had no anti-bacterial activity, while the positive control had an inhibitory diameter of 17.4 mm. The pandan leaf extract hand soap produced meets the requirements of PH, foam height, homogeneity, and specific gravity.

*Keywords*: *Pandanus amaryllifolius Roxb, hand soap, Staphylococcus aureus*