**FORMULASI SEDIAAN SABUN CAIR EKSTRAK ETANOL DAUN BUAS BUAS (*Premna pubescens* Blume) DAN UJI AKTIFITAS ANTIBAKTERI TERHADAP *Staphylococcus aureus***

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 **ABSTRAK**

Buas buas (*Premna pubescens* Blume) merupakan salah satu tanaman yang dapat digunakan sebagai antibakteri. Buas buas memproduksi senyawa metabolit yang digunakan sebagai alat pertahanan dari organisme pengganggu atau sebagai pelindung bagi tumbuhan tersebut dimana senyawa metabolit sekunder tersebut dapat juga dimanfaatkan manusia sebagai bahan obat-obatan karena adanya senyawa bioaktif.

Tujuan dari penelitian ini untuk mengetahui kandungan metabolit sekunder serbuk simplisia dan ekstrak etanol daun buas buas, memformulasikan ekstrak etanol daun buas-buas menjadi sabun cair, mengetahui mutu fisik sediaan dan menguji aktivitas terhadap bakteri *Staphylococcus aureus* dengan metode difusi agar menggunakan cakram. Konsentrasi yang digunakan pada penelitian ini adalah 5%, 10%, 15% dan kontrol positif.

Dari hasil penelitian menunjukkan bahwa serbuk simplisia dan ekstrak etanol daun buas buas mengandung senyawa kimia alkaloid, flavonoid, tanin, Saponin dan steroid. Hasil uji organoleptis sabun cair berbau khas perpaduan daun buas-buas dan oleum sakura, berwarna hijau kehitaman, berbentuk cairan kental. Hasil uji stabilitas dari semua formula stabil. Uji pH berkisar 10,0-10,03. Uji tinggi busa berkisar 50-90 mm. Uji viskositas hasilnya berkisar 1210-1290 cpoise. Uji bobot jenis hasilnya berkisar 1,00-1,08 dan uji iritasi terhadap sukarelawan hasilnya negatif tidak memberikan efek samping iritasi. Aktivitas antibakteri pada konsentrasi 5%, 10%, 15% dan kontrol positif mempunyai daya hambat 14,2 mm, 15,0 mm, 16,0 mm, dan 20,0 mm terhadap bakteri *Staphylococcus aureus*.

**Kata Kunci:** Sabun Cair, Antibakteri, *Staphylococcus aureus, Premna pubescens* Blume

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**FORMULATION OF LIQUID SOAP PREPARATION ETHANOL EXTRACT OF BUAS BUAS LEAVES (*Premna pubescens* Blume) AND ANTI-BACTERIAL ACTIVITY TEST AGAINST *Staphylococcus aureus***

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 **ABSTRACT**

Buas buas *(Premna pubescens Blume*) is one of the plants that can be used as an antibacterial. Wild beasts produce metabolites that are used as a means of defense against nuisance organisms or as protection for these plants where these secondary metabolites can also be used by humans as medicinal ingredients due to the presence of bioactive compounds.

The purpose of this study was to determine the secondary metabolite content of simplicia powder and ethanol extract of wild wild leaves, to formulate ethanol extract of wild wild leaves into liquid soap, to determine the physical quality of the preparation and to test its activity against *Staphylococcus aureus* bacteria using the agar diffusion method using discs. The concentrations used in this study were 5%, 10%, 15% and positive control.

The results showed that the simplicia powder and ethanol extract of wild wild leaf contain chemical compounds of alkaloids, flavonoids, tannins, saponins and steroids. The results of the organoleptic test of liquid soap with a characteristic smell of a combination of wild-savage leaves and sakura oleum, blackish green in color, in the form of a thick liquid. The stability test results of all formulas were stable. The pH test ranged from 10.0 to 10.03. The foam height test ranges from 50-90 mm. Viscosity test results range from 1210-1290 cpoise. Specific gravity test results ranged from 1.00-1.08 and irritation test on volunteers the results were negative and did not give irritation side effects. Antibacterial activity at concentrations of 5%, 10%, 15% and positive control had inhibition of 14.2 mm, 15.0 mm, 16.0 mm, and 20.0 mm against *Staphylococcus aureus* bacteria.

Keywords: Liquid Soap, Leaf of the beast, Antibacterial, *Staphylococcus aureus,*

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