

INTISARI

INDRAYANTI, CD., 2020, UJI AKTIVITAS EKSTRAK ETANOL DAUN STEVIA (*Stevia rebaudiana* Bertoni) DAN SEDIAAN SABUN MANDI CAIR TERHADAP BAKTERI *Staphylococcus aureus* MENGGUNAKAN METODE EKSPERIMENTAL DAN *SYSTEMATIC LITERATURE REVIEW* (SLR), FAKULTAS FARMASI, UNIVERSITAS SETIA BUDI, SURAKARTA.

Daun Stevia (*Stevia rebaudiana* Bertoni) dilaporkan memiliki banyak aktivitas biologi, salah satunya yaitu antibakteri. Kandungan kimia seperti tannin, alkaloid, flavonoid, saponin, dan fenol bertindak sebagai antibakteri terhadap bakteri *Staphylococcus aureus*. Ekstraksi daun stevia (*Stevia rebaudiana* Bertoni) bertujuan agar dapat dibuat sediaan sabun cair dengan baik dan efektif dalam penggunaannya. Tujuan dari penelitian ini yaitu untuk membuat formulasi sediaan sabun mandi cair ekstrak etanol daun stevia dan menguji sifat fisik, dan aktivitasnya terhadap bakteri *Staphylococcus aureus*.

Jenis penelitian ini yaitu metode eksperimental pada identifikasi kandungan kimia ekstrak etanol daun stevia dan metode *systematic literature review* (SLR) dengan mengambil data sekunder terkait uji mutu fisik sediaan sabun mandi cair yang mempunyai formula sama dan aktivitas antibakteri ekstrak daun stevia dari hasil penelitian yang telah dilakukan oleh peneliti-peneliti terdahulu.

Hasil identifikasi kandungan kimia ekstrak etanol daun stevia positif mengandung tannin, alkaloid, flavonoid, saponin dan fenol. Literatur *review* menyatakan bahwa ekstrak etanol daun stevia memungkinkan untuk dapat dibuat menjadi sediaan sabun mandi cair. Formula sediaan ekstrak etanol daun stevia memungkinkan mempunyai mutu fisik yang baik meliputi uji organoleptik, pH, alkali bebas, bobot jenis, tinggi busa. Formula sediaan sabun mandi cair ekstrak daun stevia memungkinkan memiliki aktivitas antibakteri terhadap *Staphylococcus aureus*.

Kata kunci : Ekstrak Etanol, *Stevia rebaudiana* Bertoni, Sabun Mandi Cair, *Staphylococcus aureus*

ABSTRACT

INDRAYANTI, CD., 2020, SKRINING ACTIVITY OF STEVIA LEAF (*Stevia rebaudiana* Bertoni) ETHANOL EXTRACT AND LIQUID BODY WASH TO *Staphylococcus aureus* BACTERIA USE EXPERIMENTAL METHODE AND SYSTEMATIC LITERATURE REVIEW (SLR), FACULTY OF PHARMACY, SETIA BUDI UNIVERSITY, SURAKARTA

Stevia leaves (*Stevia rebaudiana* Bertoni) are reported to have many biological activities, one of which is antibacterial. Chemical constituents such as tannins, alkaloids, flavonoids, saponins, and phenols act as antibacterial agents to *Staphylococcus aureus* bacteria. Stevia leaves extraction (*Stevia rebaudiana* Bertoni) aims to make liquid body wash preparations properly and effectively in their use. The purpose of this study is to make a formulation of liquid body wash in stevia leaves ethanol extract and test the physical properties, and their activity to *Staphylococcus aureus* bacteria.

This type of research is an experimental method on the identification of the chemical constituents of stevia leaf ethanol extract and the systematic literature review (SLR) method by take secondary data related to the physical quality test of liquid body wash that has the same formula and the antibacterial activity of stevia leaves extract from the results of research that has been carried out by previous researchers.

The identification results of the chemical constituents of the ethanol extract of stevia leaves were positive for containing tannins, alkaloids, flavonoids, saponins and phenols. The review literature states that the ethanol extract of stevia leaves allows it to be made into liquid body wash, has good physical properties including organoleptic tests, pH, free alkali, specific gravity, high foam, and has the ability to be *Staphylococcus aureus* antibacterial.

Keywords : Ethanol Extract, *Stevia rebaudiana* Bertoni, Liquid Body Wash, *Staphylococcus aureus*