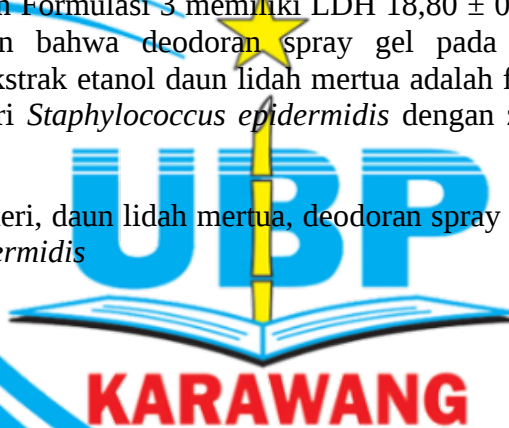


ABSTRAK

Bau badan timbul karena dekomposisi keringat dari aktivitas bakteri *Staphylococcus epidermidis*. Lidah mertua (*Sansevieria trifasciata*. P) mengandung senyawa saponin dan flavonoid yang dapat digunakan sebagai antibakteri. Tujuan penelitian membuat formulasi deodoran spray gel dari ekstrak etanol daun lidah mertua yang berpotensi sebagai antibakteri. Metode yang digunakan untuk pengujian daya hambat aktivitas antibakteri yaitu difusi sumuran. Sediaan deodoran spray gel ekstrak etanol daun lidah mertua dibuat menjadi tiga konsentrasi yaitu F1 (7,5%), F2 (10%) dan F3 (12,5%). Basis deodoran spray gel digunakan sebagai kontrol negatif dan deodoran spray beorganik sebagai kontrol positif. Hasil penelitian pada ketiga konsentrasi sediaan deodoran spray gel ekstrak etanol daun lidah mertua mempunyai LDH terhadap bakteri *Staphylococcus epidermidis*. Deodoran spray gel Formulasi 1 memiliki LDH $13,55 \pm 0,31$, Formulasi 2 memiliki LDH $16,07 \pm 0,87$, dan Formulasi 3 memiliki LDH $18,80 \pm 0,77$. Pada penelitian ini dapat disimpulkan bahwa deodoran spray gel pada formulasi 3 yang mengandung 12,5% ekstrak etanol daun lidah mertua adalah formula yang paling efektif terhadap bakteri *Staphylococcus epidermidis* dengan zona hambat paling besar yakni 18,80 mm.

Kata kunci : Antibakteri, daun lidah mertua, deodoran spray gel, *Staphylococcus epidermidis*



ABSTRACT

Deodorant is a cosmetic preparation that functions to overcome body odor arises due to the decomposition of sweat from the activity of the *Staphylococcus epidermidis* bacteria. *Sansevieria* (*Sansevieria trifasciata*. P) contains saponins and flavonoids which can be used as antibacterials. This study aims to make a deodorant spray gel formulation from the ethanol extract of *sansevieria* which has the potential as an antibacterial. Testing the inhibition of antibacterial activity was carried out using the well-diffusion method. The preparation of deodorant spray gel ethanol extract of *sansevieria* was made into three concentrations, namely F1 (7.5%), F2 (10%) and F3 (12.5%). Deodorant spray gel base was used as negative control and beorganik deodorant spray as positive control. The results showed that at the three concentrations of the deodorant spray gel preparation, the ethanol extract of *sansevieria* had an LDH against *Staphylococcus epidermidis* bacteria. Deodorant spray gel Formulation 1 had an LDH of 13.55 ± 0.31 , Formulation 2 had an LDH of 16.07 ± 0.87 , and Formulation 3 had an LDH of 18.80 ± 0.77 . In this study, it can be concluded that the deodorant spray gel in formulation 3 which contains 12.5% ethanol extract of *sansevieria* is the most effective formula against *Staphylococcus epidermidis* bacteria with the largest inhibition zone of 18.80 mm.

Keywords : Antibacterial, *sansevieria*, deodorant spray gel, *Staphylococcus epidermidis*

