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A. I. Asad M. A.
Specialist of Badan Plastik Rekonstruksi dan Estetik

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Antimicrobial activity of binahong Leaves toward Pseudomonas aeruginosa and Staphylococcus aureus which often becomes a complication of burns wound healing

Aktivitas Antimikroba Daun Binahong Terhadap Pseudomonas aeruginosa dan Staphylococcus aureus Yang Sering Menjadi Penyulit Pada Penyembuhan Luka Bakar

1. David Perdanakusuma --> Dosen / dperdanakusuma@yahoo.com
2. Arman Christiawan --> Mahasiswa / arman@fk.unair.ac.id

Abstract

Background: Several bacteria such as Pseudomonas aeruginosa, Staphylococcus aureus, Escherichia coli, Klebsiella spp., Enterococcus spp are well known in causing infection in burn wound. A traditional herbal plant called as binahong (Anredera Cordifolia) have been used in society to treat burn wound. It is considered to have antibacterial activity against contaminat germ in burn wound so that it might help the recovery of burn wound. This research tests antibacterial activity of binahong ethanol extract against Pseudomonas aeruginosa dan Staphylococcus aureus.

Objective: To test the effectiveness of antibacterial activity of binahong ethanol extract against Pseudomonas aeruginosa and Staphylococcus aureus.

Design: True experimental

Methods: Dilution methode followed with confirmation test by streaking in Nutrient Agar Plate. Concentrations tested are 10%, 5%, 2.5%, 1.25%, 0.625%, and 0.3125%.

Results: shows that there is no antibacterial activity against Staphylococcus aureus. Meanwhile against Pseudomonas aeruginosa, it is seen that at 10% of concentration binahong extract can kill germ colonies.

Keyword : binahong, Pseudomonas, aeruginosa, Staphylococcus, aureus, antibacterial, activity, experimental,

Daftar Pustaka :