EFFECTIVENESS OF N-HEXAN EXTRACTS COCOR BEBEK (Kalanchoe millotii) AS A TREATMENT OF Staphylococcus aureus BACTERIA GROWTH

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ABSTRACT

Background: Staphylococcius aureus is a bacterium found in deciduous root canals. The cocor bebek plant (Kalanchoe millotii) is a plant that is widely found in Indonesia. Cocor bebek contains alkaloids, triterpenes, flavonoids and steroids. Cocor bebek leaf extract has antibacterial activity. **Objective:** To determine the effectiveness of the extract of cocor bebek KHM on the growth of Staphylococcus aureus and the most effective concentration in inhibiting the growth of these bacteria. **Method:** Experimental laboratory with post test only control group design. The influence variables used were n-hexane cocor bebek extract (kalanchoe millotii) in concentrations of 15%, 10% and 5%, while the affected variables used were the growth of Staphylococcus aureus bacteria. N-Hexane extract cocor bebek (kalanchoe millotii) is made by maceration technique. **Results:** The n-hexane extract with a concentration of 15%, 10%, and 5% was effective in inhibiting Staphylococcus aureus and n-hexane cocor bebek (kalanchoe millotii) extract with a concentration of 15% indicating the greatest inhibition zone. **Conclusion:** Cocor bebek extractis effective as a growth inhibitor of Staphylococcus aureus bacteria andthe most effective in inhibiting the growth of Stapyhlococcus ureus bacteria at concentration of 15%.

Keywords:n- Heksan cocor bebek extract (Kalanchoe millotii), *Staphylococcus aureus*, Inhibitory power