

Synthesis of Anti-Acne Ointment of Ethanol Extract of White Plumeria Leaves  
(*Plumeria Alba L.*)

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<b>Abstract</b>	Acne is a chronic inflammatory skin disease pilosebaceous follicle, where the oil-producing glands are clogged and contaminated by bacteria. Propionibacterium acne is one of the bacteria that contributes to the pathogenesis of acne. Acne treatment was done by reducing the population of bacteria using an antibacterial. One of the plants that have antibacterial activity is white plumeria. The ethanol extract of white plumeria leaves contains antibacterial secondary metabolites, which are alkaloids and saponins. The aim of this study is to formulate white plumeria leaves extract into the water leached ointment base. Characteristics of the ointment were determined by evaluating the stability of the ointment including organoleptic, adhesion test, dispersive power test, determination of pH, and the antibacterial activity test. The results showed that the ointment of ethanol extract of white plumeria leaves has some characteristics, semisolid form, white, has distinctive smell of ointment, homogeneous but not protective, has a pH of 4.57 - 6.10, dispersive power of 5.10 - 6.06 cm, the adhesiveness of 1.67 - 3 seconds, and optimum antibacterial activity at concentrations of 5 ppm providing inhibition zone of 24.00 mm.
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