Evaluasi Dan Uji Daya Hambat Antibakteri Formulasi *Face Mist* Ekstrak Daun Binahong *Anredera cordifolia (Tenore) Steenis* Terhadap Bakteri *Propionibacterium Acne* Penyebab Jerawat

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ABSTRACT

Background: Acne is one of the common skin problems and is often caused by the bacteria Propionibacterium acnes. Acne treatment with antibiotics can cause side effects, including bacterial resistance. **Objective**: This study aims to evaluate the antibacterial activity of face mist preparations containing binahong leaf extract (Anredera cordifolia). **Research methods**: In this study, the methods used included extraction of binahong leaves using the maceration method with 70% ethanol, face mist formulation with various extract concentrations (1%, 2%, and 3%), and evaluation of physical properties and antibacterial activity using the disc diffusion method. **Research Results**: physical property tests showed that all formulations had a pH within a safe range for the skin (4.5-6.5), good homogeneity, and optimal spray spread. Antibacterial activity tests showed that face mist with an extract concentration of 2% had the highest inhibitory power against *P. acnes* with an average inhibition zone of 19.83 mm, classified as strong. **Conclusion**: Thus, binahong leaf extract is efficacious as an active ingredient in face mist preparations to treat acne.

Keywords: Face mist, binahong leaves, Propionibacterium acnes, antibacterial, acne.