

Development and Formulation of Anti-Acne Gel from Hibiscus Rosa-Sinensis

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Abstract: *Objective: Hibiscus contains acids that act as chemical exfoliators and help to clear the clogged skin pores. It also has antibacterial properties that work to fight acne-causing bacteria on the skin. Thus, it prevents the formation of pimples. Acne, one among the very fashionable socially distressing skin conditions created by Propionibacterium acne have generally been treated by antibiotics. Within the light of the growing threat of antibiotic resistance, natural plant products are applied as a safer alternative. Keeping the very fact in the background, during this research work, the formulation of gel from the extracts of Hibiscus rosa sinensis flower are prepared and evaluated as an anti-acne drug.*

Methods: The fresh flower extracts were subjected to phytochemical screening. Gel formulation of the extracts was developed and evaluated. The manufactured formulations were subjected to In vitro antibacterial activity against P. acnes, S. epidermidis and S. aureus. Gel formulations containing the flower extract were prepared based on a HPMC gel.

Keywords: Anti-Acne, Herbal, Hibiscus rosa sinensis, Anti-oxidant, Anti-bacterium, Anti-inflammatory, P. acne, HPMC.

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