

Formulation and Evaluation of Herbal Toothpaste

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Abstract: *This study focuses on the formulation and evaluation of a herbal toothpaste, designed to offer an alternative to conventional chemical-based dental care products. The toothpaste was formulated using natural ingredients known for their antimicrobial, anti-inflammatory, and oral health-promoting properties, such as neem, clove, and tea tree oil. Various parameters, including pH, abrasive properties, and microbial efficacy, were assessed to ensure safety and effectiveness. The formulation was tested for its ability to reduce plaque formation, fight bacteria, and promote gum health. Results indicated that the herbal toothpaste exhibited comparable or superior performance in terms of antimicrobial activity and oral hygiene benefits, while being gentle on tooth enamel. The findings suggest that this herbal toothpaste could serve as a viable, eco-friendly alternative to traditional products in oral care..*

Keywords: herbal toothpaste