

# Development and Assessment of Herbal Handwash Formulation

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**Abstract:** *This study focuses on developing a herbal handwash using natural ingredients like neem, tulsi, aloe vera, and lemon, known for their antimicrobial and skin-soothing properties. The formulation was evaluated for pH, viscosity, foam stability, cleansing efficiency, and antimicrobial activity against pathogens like E. coli and S. aureus. Results showed excellent germ-killing efficacy, good cleansing performance, and skin compatibility. The herbal handwash offers a safe, eco-friendly, and effective alternative to chemical-based products, ensuring hygiene without harming the skin or environment. Herbal handwash products made from Neem, Tulsi (Holy Basil), and Aloe Vera are popular for their natural cleansing properties and skin benefits. These ingredients are known for their medicinal and therapeutic qualities and are commonly used in skincare products for their antibacterial, antifungal, and soothing properties. Here's a breakdown of how each of these herbs benefits a herbal handwash.*

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