

# Formulation and Evaluation of Herbal Hand Wash

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**Abstract:** The increasing awareness of the adverse effects of synthetic chemicals in conventional hand washes has spurred interest in herbal alternatives. This study aimed to formulate and evaluate a herbal hand wash using extracts from readily available medicinal plants known for their antimicrobial and skin-friendly properties. Extracts of [mention 2-3 specific plants used, e.g., *Azadirachta indica* (Neem), *Aloe barbadensis* (Aloe Vera), and *Ocimum sanctum* (Tulsi)] were prepared using [mention extraction method, e.g., aqueous and ethanolic extraction]. The formulated herbal hand wash was evaluated for its physicochemical properties (pH, viscosity, foaming ability, skin irritation), antimicrobial activity against selected microorganisms [mention specific microorganisms, e.g., *Staphylococcus aureus* and *Escherichia coli*] using [mention method, e.g., agar well diffusion method], and user acceptability through a sensory evaluation involving [mention number] volunteers. The results demonstrated that the formulated herbal hand wash possessed satisfactory physicochemical characteristics, significant antimicrobial activity comparable to [mention a standard, if used], and good user acceptability with no observed skin irritation. This study suggests that the developed herbal hand wash offers a safe and effective alternative to synthetic hand washes, harnessing the beneficial properties of selected medicinal plants for hand hygiene.

**Keywords:** Aloe vera, Lemon juice, Rose, Turmeric, Handwash

