

Formulation and Evaluation of Sandalwood Herbal Soap

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Abstract: *This research focuses on the formulation and evaluation of herbal soap using the melt and pour method, a simple and effective approach for soap production. The soap was prepared using a glycerin-based soap base, with the incorporation of natural herbal ingredients such as comfrey, hibiscus powder, reetha extract, and essential oils like lavender oil. These herbs were selected for their known skin benefits, including antimicrobial, anti-inflammatory, and soothing properties. The formulated soap was evaluated based on its physical appearance, texture, pH level, foaming ability, and overall skin compatibility. The evaluation process aimed to determine the soap's effectiveness in terms of cleansing, skin hydration, and safety. The pH of the soap was measured to ensure that it is within a safe range for skin use, while its foaming ability was tested to assess its cleansing performance. A skin patch test was conducted to identify any potential allergic reactions or irritation. The results indicated that the soap had a smooth, uniform texture with a pleasant herbal fragrance. The pH of the soap was found to be between 8-9, which is suitable for most skin types. The foaming ability was moderate, which is typical for herbal soaps, and it effectively cleansed the skin without causing dryness or irritation. Overall, the herbal soap demonstrated good potential as a natural alternative to commercially produced soaps, offering both skin care benefits and a safer, more environmentally friendly product*

Keywords: Sandalwood Herbal Soap, Glycerine Soap Base, Turmeric Powder, Sandalwood Oil, Sandalwood Powder, Almond Oil, Neem Oil

