

Formulation & Evaluation of Antimicrobial Activity of Herbal Facial Kit by Using Lavender Herb

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ABSTRACT

Introduction: Supportive treatments are attaining popularity in the community for which herbal products has a distinctive contribution which are called as natural products often formed from plant ingredients and extracts. The lavender herb called as dutch lavender gives skin therapeutic properties since they inherit moisturising, anti-oxidant, brightening, anti-microbial and aromatic properties (Predoi, Daniela *et al*).

Methodology: In this study antimicrobial effects of Lavender herb extract were used against the Staphylococcus, Pseudomonas and Klebsiella species (Betlej, Izabela *et al*). Moreover; the formulation of herbal facial kit is build on wrenching out of Lavender herb including rose water, vitamin E, essential oil, sugar, turmeric, fullers earth, jojoba oil and glycerine which aids anti-inflammatory properties to the skin. (Vaishali, Nayana *et al*).

Results: The evaluation of the product was comprised on the basis of patch tasting of toner and scrub on 20 human skin. However; chemical testing of soap in which alkaloids and carbohydrate shows negative results done by using dragendroff's and Benedict's reagent. In its connection pH test showed positive results by displaying reading of pH strip between 7-10. Antimicrobial assessment was carried out on Mueller Hinton Agar (MHA) used against the dilutions of 10%, 20% and 30% of the concentration of herbal extracts and showed effective inhibition of gram positive Staphylococcus species and moderate inhibition for gram negative Pseudomonas and Klebsiella species. Organoleptic effects of herbal facial kit showed the significance of kit in making restoration of skin, dullness free, inflammation free, smoothen and cleanse the skin.

Conclusion: Goal of this research is to form a herbal facial kit by using lavender herb which can be used for herbal facial treatment as supporting skin therapy. In addition, this research showed that Lavender Herb stands out as an exemplary source for cosmeceutical application. (Shafie, Muhammad Hakim *et al*).

Keywords: Herbs, Extract, Lavender, Skin, Antimicrobial, Cosmeceutical.