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Formulation and Evaluation of Antibacterial Poly Herbal Soap

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Abstract: *Most of the commercial soaps contains chemicals that can be harmful to the skin. Use of nature herbal soap can be a good alternative. Herbal products have become an item of global importance both medicinally and economically and usage of herbal products has increased, their safety and efficacy. Bacterial skin infections are most prevalent among people, requiring to have a significant attention for treatment, better skin preservation as well as to maintain good looking healthy skin. Some herbal plant extracts have antibacterial activity. The aim and objective of the present study is to formulate antibacterial poly herbal bath soap using Azadirachta indica, Ocimum tenuiflorum,Curcuma longa, Allium sativum. The antibacterial activity of the prepared formulation was tested using agar well diffusion method against the organism Staphylococcus aureus, Bacillus subtilis.The prepared polyherbal formulations exhibited a good antibacterial effect. The prepared Polyherbal soap were evaluated for various physicochemical parameters such as ph, foam retention time for which good results were observed. The easy availability of plant and their effectiveness on skin helps manufacturers with cost-effective benefits, easy availability and with less or no side effects. Because some herbal Plant extracts have antibacterial properties, the goal of this research is to make an Antibacterial poly herbal bath soap using Azadirachta indica, and curcuma longa.The polyherbal formulation was prepared then evaluation for the analysis of pH, Moisture content, saponification, foaming index, foam retention time, ethanol soluble matter and antimicrobial activity using different concentration of soap solution comparing with standard was done .Also the evaluation tests showed that the herbal soap has satisfactory antimicrobial results.*

Keywords: Skin, Polyherbal Formulation, Azadirachta indica, Ocimum tenuiflorum, Antibacterial

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