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Formulation and Evaluation of a Natural Herbal Scrub Soap for Skin Care Applications

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ABSTRACT:

In this preparation neem, tulsi, turmeric powder, aloe vera, Glycerin soap base, rose water and poppy seeds are used as main active ingredients. Thus, the developed formulation can be used as an effective scrubbing soap for using it to bear a healthy and glowing skin.

scrubbing soaps are agents that remove dead skin cells, freckles, blackheads, and whiteheads, leaving the skin radiant, smooth, soft, and healthy. Scrub can be applied directly to the skin by gently massaging it in, which improves blood circulation and increases oxygen flow to the skin's entire surface. face scrubs are very popular in today's society and have reached a high level of success at a low cost. The produced scrub was assessed using a variety of parameters and found to be satisfactory after application; it was non-irritating to the skin and made the skin even softer.

Keywords - Blackheads, Scrub, Formulation, Whiteheads, Antibacterial.

1. Introduction:

Herbal cosmetics are skincare products that contain natural components obtained from plants, herbs, or botanical extracts.^{1,2} These products are frequently free of harsh chemicals and synthetic ingredients, making them a popular alternative for individuals seeking natural skincare and beauty solutions.³

Facial scrubs are an integral component of a skin care regimen.⁴ a facial scrub can also help maintain the skin around the neck smooth, making it easier to exfoliate.⁵ Facial scrub is a fantastic deep cleansing and exfoliating treatment for all skin types, but it is especially good for oily skin.⁶ Body scrubs can be created with both synthetic and natural components.⁷ regular usage of scrubs causes the skin to glow, smooth, silky, and healthy because dead skin cells are removed, exposing new skin cells.⁸

Cosmetics, according to the Drugs and Cosmetics Act, are articles that are intended to be rubbed, poured, sprinkled, sprayed, introduced into, or applied to the human body or any part of it in order to cleanse, beautify, encourage attractiveness, or alter appearance. The drug license preview does not cover the cosmetic.⁹

Herbal cosmetics are mixtures produced from phytochemicals extracted from a variety of botanical sources.¹⁰ These substances influence skin functions and provide the nutrition needed for healthy, supple skin.¹¹ They help postpone skin aging by decreasing wrinkles, provide antioxidant protection against UV rays, and prevent collagen breakdown.¹²

2. Ideal properties of Herbal Scrub Soap.

- Non- toxic
- Non- irritant
- Non- sticky
- Remove dead skin

3. Formulation of Herbal Scrub Soap.

Table No – 1 Ingredient Profile of Herbal Scrub Soap.

Sr No.	Ingredients	Quantity
1.	Turmeric	1 gm.
2.	Tulsi leaves extract	4.5 ml
3.	Aloe vera	5 ml
4.	Neem leaves extract	10 ml
5.	Glycerin soap base	30 gm
6.	Rose water	2 ml
7.	Poppy seeds	2.5 gm.

4. Formulated sample of Herbal Scrub Soap.



Fig No. 1 Formulated sample of Herbal Scrub Soap.

5. Advantages of Herbal Scrub Soap.

- Removes Acne Scars.
- Prevents Ingrown Hair.
- for Smooth Skin.
- Improves the Texture of Your Skin.
- Promotes Clear Complexion.
- For A Squeaky-Clean Skin.
- Frees Your Skin from Flakes.
- Helps in Removing Dead Cells.
- Adds Glow to Skin.
- Removes Dark Patches.

6. Physical Evaluation Parameter and Results of Herbal Scrub Soap.

Table No. 2 Physical Evaluation Parameter Herbal Scrub Soap.

Sr No.	Parameters	F1
1.	Colour	Greenish black
2.	Oduor	Fragrant
3.	Shape	Rectangular
4.	Texture	Smooth
5.	pH	7.7 ph.
6.	Skin Irritancy test	No Irritation to skin.
7.	Stability	Stable in room temp.
8.	Consistency/ Appearance	Semisolid
9.	Weight determination	56 gm.
10.	Spreadable	Uniform
11.	Washing capability	Easily washable
12.	Solubility	Soluble in water

7. Discussion:

The present work is concerned with the formulation of polyherbal soap using Mango leaves extract, almond leaves extract, teak leaves extract, neem leaves extract, rose water, rose glycerin soap base. the formulated polyherbal soap was a dry, good appearance and is foamy in nature. it showed good skin compatibility and it proved that it does not irritate the skin, and it produced satisfactory results.

8. Conclusion:

The scrubbing soap was prepared and evaluated. The main aim of these project is to remove the pigmentation and dead cells from the skin and help to make skin glowing. The majority of the substances are natural and there are low chances of adverse effects. It also suitable for dry skin and oily skin.

9. Conflict of Interests:

- The authors declare that they have no known competing financial interests or personal relationship that could have appeared to influence the work reported in this paper.

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