

Formulation and Evaluation of Sunscreen Cream Using Butterfly Pea Flower

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Abstract: *This study presents the formulation and evaluation of a herbal sunscreen cream enriched with Butterfly Pea Flower extract and other natural constituents. The cream was developed using Aloe Vera gel, Sunflower oil, Coconut oil, Rose water, Beeswax, and Zinc Oxide to achieve an effective and skin-friendly photoprotective product. Comprehensive assessments of the cream's physicochemical parameters—including pH, spreadability, viscosity, and stability—confirmed its suitability for topical application. The inclusion of Zinc Oxide provided broad-spectrum UV protection, while the botanical extracts contributed antioxidant, moisturizing, and soothing properties. Overall, the findings highlight the potential of Butterfly Pea Flower-based formulations as safe, eco-friendly alternatives to conventional sunscreens.*

Keywords: Butterfly Pea, Herbal sunscreen, Zinc Oxide, Topical cream

