

**THE ANALYSIS OF MEDICINAL CHEMICALS DEXAMETHASONE IN
PEGAL LINU HERBAL IN MADURA BY UV-VIS
SPECTROPHOTOMETRIC METHOD**

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ABSTRACT

Drz skin problem is a common condition experienced by people and can interfere with comfort and appearance. The use of moisturizers from natural ingredients, butterfly pea flower (*Clitoria ternatea*), is a safe alternative because it contains flavonoid and anthocyanin compounds that are antioxidants and can hydrate the skin. This study aims to formulate and evaluate Hand and Body Lotion preparation of butterfly pea flower extract as a skin moisturizer and assess the effect of concentration variations on physical quality and effectiveness of skin moisturization.

This research used experimental method with quantitative descriptive design. This study conducted physical evaluation test of lotion including organoleptic test, homogeneity test, pH test, spreadability test, adhesion test, and moisture test using skin analyzer moisturizer. Four lotion formulas with 0%, 1%, 3%, and 5% concentration of butterfly pea flower extract were used. The extraction process was done by maceration method using 96% ethanol.

The results showed that all formulas met the physical quality requirements of topical preparation. pH test, adhesion test and moisture test there were significant differences between formulas while in the spreadability test there were no differences between groups.

This study concluded that butterfly pea flower extract can be formulated in lotion preparation and is effective as a skin moisturizer. Suggestions for further research are long-term stability testing.

Keywords: Butterfly Pea Flower, Physical Evaluation, Hand and Body Lotion, Moisturizer.