

# Formulation And Evaluation Of An Antimicrobial Moisturizer Cream from Clitoria Terneta Flower Extract

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**Abstract:** *Butterfly pea flowers are rich in anthocyanins, natural antioxidants that decelerate the aging process and prevent skin aging. Butterfly Pea Flower (Clitoria ternatea): Rich in antioxidants, particularly anthocyanins, butterfly pea flower helps c radicals, reducing oxidative stress on the skin. This can prevent premature aging and promote a youthful complexion. Additionally, its peptides aid in moisture retention, keeping the skin hydrated and supple. Neem (Azadirachta indica): Neem is renowned for its potent antimicrobial, antibacterial, and anti-inflammatory properties. It effectively combats acne-causing bacteria, soothes irritated skin, and aids in healing minor wounds. Regular use can lead to clearer and healthier skin. Tulsi (Ocimum sanctum): Tulsi, also known as holy basil, possesses strong antibacterial and anti-inflammatory effects. It helps prevent acne breakouts, reduces redness, and calms irritated skin. Its antioxidant properties also protect the skin from environmental stressors, promoting a radiant complexion. Extreme environmental conditions will consequently become a disturbance on all phases of plant growth. Malaysia is one of the developing countries that face challenges of extreme environmental conditions from climate change such as water availability and soil salinity. In response to global climate change, plant are trying to survive through several adaptation mechanisms. Clitoria ternatea or also known as Butterfly peaflower is a potential plant that can tolerate different environmental parameters.*

**Keywords:** Butterfly pea flower extract, Clitoria ternatea benefits, herbal skin care Hydrating skincare, Anti-aging moisturizer

