

# Development of Sunscreen Emulgel Containing *Cinnamomum burmannii* Stem Bark Extract

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**Abstract:** *Ultraviolet B (UVB) rays are the major cause of sunburns. Sunscreens are used to protect the skin against harmful UV radiation. The objective of this research is to determine the sunscreen activity of Cinnamomum burmannii stem bark extract and finally to develop and characterize the sunscreen emulgel formulation. Cinnamon stem bark was extracted using ethanol by maceration process. Ethanol extract was formulated to topical emulgel preparation and submit to physical and sunscreen activity test. Determination of SPF values of the extract and emulgel were conducted in vitro using spectrophotometer. The result showed that both of the extract and formulated emulgel have potency to protect against UV-B radiation. The emulgel formulated was stabil base on physical stability test.*

**Keywords:** Cinnamon bark, extract, emulgel, sunscreen, spectrophotometer