

WANWISA VICHITPUNT : SUNSCREEN EFFICACY OF LAOE VERA GEL EXTRACT
COMPARING WITH 5% PARA-AMINOBENZOIC ACID. THESIS ADVISOR : ASST.PROF.
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This research was designed to study sunscreen efficacy of aloe vera gel-extract; in 40 volunteers, skin type III-IV, age 20-35 years, comparing with standard sunscreen (5% para-aminobenzoic acid cream), crude aloe vera gel and cream base. Using Ultraviolet B-light source as a source of energy representing sunburn radiation, we measured Minimum Erythema Dose (MED) of Ultraviolet B for the parameter of sunscreen efficacy. The result is that aloe vera gel-extract can minimally screen sunburn radiation, whereas 5% para-aminobenzoic acid cream can protect it with a Sun Protection Factor about 4-6 times of cream base comparatively. However, aloe vera gel extract is the same as crude aloe vera gel and cream base in their sunscreen efficacy, without any side effect.