

**ACUTE DERMAL TOXICITY OF POMELO (*Citrus maxima*) PEEL EXTRACT GEL AS  
MOSQUITO REPELLENT ON RABBITS**

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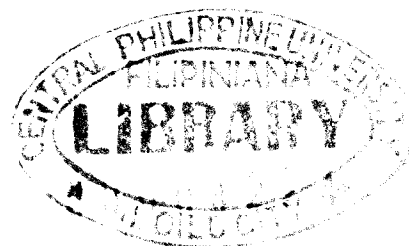
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**ABSTRACT**

In this study, the Pomelo (*Citrus maxima*) is one of the largest citrus fruits from the family Rutaceae. It is quite similar to grapefruit and it is one of the original species that is not hybridized. It is done to determine the acute dermal toxicity of Pomelo (*Citrus maxima*) peel extract as gel mosquito repellent on rabbits. Four rabbits were utilized in this study, two rabbits for the Patch test and also two rabbits for the Scratch test. Both composed of one male and one female. The fur was removed from the dorsal area of the trunk of the test animal by clipping or shaving. The materials that were used in this study was a negative gel-based and a positive gel base. The positive gel base contains an active ingredient which is the Pomelo peel extract. Results were obtained after 24 hours and 72 hours, graded through erythema and edema reaction. The study has found out that there was no acute dermal toxicity of Pomelo (*Citrus maxima*) peel extract gel as mosquito repellent on rabbits. The results of this study would provide information about the dermal toxicity of Pomelo (*Citrus maxima*) peel extract gel as mosquito repellent on rabbits. Additionally, this study will provide relevant information for future studies regarding Pomelo (*Citrus maxima*).