



**A COMPARATIVE STUDY ON THE HEALING POTENTIAL OF**  
*Diospyros Virginiana* L. (PERSIMMON) AND *Diospyros blancoi*  
A. DC. (MABOLO) CRUDE FRUIT EXTRACTS TO THE  
**INCISED WOUND OF *Rattus norvegicus***  
**(ALBINO RATS)**

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**ISABELA MUTYA L. ALEJANDRO**  
**MICHELLE ANGELA A. DOMINGO**

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### ABSTRACT

Fruit extracts are reasonably more practical than the synthetically made drugs used to relieve man's aches, pains, and wounds. Wounds, specifically, is one of the most common incidents in which fruit extracts are used. Wounds are injuries that can be distinguished by a tear in the surface of the skin or the epithelial tissues of internal organs. The research involved 18 male *Rattus norvegicus* (albino rats) which underwent acclimatization for one week and the observation of different parameters. Six treatment groups were prepared; T0 (Water), which is the negative control, T0 (Commercial Ointment), which is the positive control, T1 (50% Mabolo fruit extract), T2 (100% Mabolo fruit extract), T3 (50% Persimmon fruit extract) and T4 (100% Persimmon fruit extract) to determine the healing potential of the incised wound. Blood clotting, redness and swelling, scab formation, scar formation and regrowth of fur served as parameters to be observed after the incised wound. Application of the water, Terramycin, and the fruit extracts were done after the incision and applied every 3-hr interval of the day until the wounds healed. With these treatments, each possessed a wound healing potential on the incised wounds of *Rattus norvegicus* (albino rats).

Keywords: *Diospyros virginiana*, *Diospyros blancoi*, *Terramycin*, *Wound Healing*, *Blood Clotting*, *Redness and Swelling*, *Scab formation*, *Scar formation*, *Regrowth of Fur*



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