



WOUND HEALING POTENTIAL OF *Capsicum annuum L.* (Bell Pepper)
EXTRACT ON THE EXCISED WOUND IN *Rattus norvegicus*
(Albino rats)

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ABSTRACT

Wound is the cause of the disruption in normal function of the skin. It ranges from minor to chronic or life-threatening due to several factors mostly by serious infection. In the 2010 Philippine Health Statistics, wounds are the 6th on the ten leading causes of regional morbidity in Mimaropa. This study aims to test the potential wound healing effect of *Capsicum annuum* L. (bell pepper). Wound excision was inflicted on the dorsal skin of albino rats splinted with silicone. Treatment application was done every day for 21 days. Histopathology was done to representative rats at day 0, day 11 and day 21. Results showed that 75% bell pepper's extract concentration completely closed the wound earlier than the other treatment while negative control closed last. But statistics showed that there is no significant difference in the wound healing between the groups. Histopathologic analysis showed that inflammation is evident in 50% bell pepper extract which may indicate an infection to the wound. In addition, more collagen fibers is observed in 75% bell pepper extract and profound development of re-epithelialization is evident in all groups treated with bell pepper extract.

Key words: Capsicum annuum L., wound, wound healing, re-epithelization



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