

Effect of Red Betel Leaf Extract (*Piper crocatum*) The Incision Wound Healing in Brazil Turtles (*Trachemys scripta elegans*) were infected with *Staphylococcus aureus*

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ABSTRACT

This study aims to prove the ability of red betel leaf extract, as a medicinal plant for healing wounds infected by *Staphylococcus aureus* incision in brazil turtles (*Trachemys scripta elegans*). Research using 20 turtles brazil with weight of 40 grams, divided into 5 treatment groups, a negatif control group, positive control (Povidone Iodine 10%), the tests group of red betel leaf extract of 10%, 25%, and 40 %. Each treatment consisted of 4 turtles brazil. Observation of wound healing was characterized by wound closure of epithelial tissues. The experimental design used in this study was completely randomized design (CRD). The results showed significant differences ($p < 0.05$) between the control group with the other treatment groups. And the best results are shown by the test treatment of red betel leaf extract with a concentration of 40%. Therefore, red betel leaf (*Piper crocatum*) extract can be used as a wound healing remedy the infection.

Key word : Brazil turtles, infection, red betel, *Staphylococcus aureus*