

**Effectiveness of Binahong Leaves Gel Extract (*Anredera cordifolia* (Ten.)
Steenis) to Burn Wound of Mice (*Mus musculus*) on Inflammation Observation**

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ABSTRACT

Wound healing is a normal process as response to skin tissue injury. This research conducted to see the effect of binahong leaves gel extract for healing burn on mice. Divided into 4 groups, namely P0 negative control group, positive control group administered Bioplasenton P1, P2 group administered binahong leaves gel extract 10%, P3 administered binahong leaves gel extract 20%. By making a burn on the right side of the mice's back with a wound diameter of 2 cm. Gel applied to the treatment group twice daily for 7 days. Measurements were made on days 3, 5 and 7 by using a sliding range. Data were analyzed by Kruscall-Wallis test and continued by Mann-Whitney test. The results showed that the binahong leaves gel extract was able to heal burns on the administration of Bioplasenton and 20% concentrated gel, the burn diameter decreased and inflammation process occurred at day 7, then the higher concentration of extracts gave more healing effect on burns ($p < 0,05$).

Keywords : Binahong leaves gel extract, Burns, Inflammation, Bioplasenton, Mice.