

ABSTRACT

EFFECT OF JATROPHA'S (*Jatropha curcas L.*) SAP TOPICALLY IN THE LEVEL OF CUTS RECOVERY ON WHITE RATS *Sprague dawley* STRAIN

By

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Indonesia has a variety of traditional medicine plants to treat injuries, including a cut, such as by using the sap of jatropha. This research aims to know effect of jatropha's sap (*Jatropha curcas L.*) topically in the level of cuts recovery on white rats *Sprague dawley* strain.

This study used a randomized controlled design method with pattern post test only controlled group design using the 24 rats that are included in the 4 treatment, namely the control group (K1), the Group of 75% jatropha' sap (K2), group 100% jatropha's sap (K3), and bioplacenton (K4).

The research results obtained that the average skoring epithelialization on a group of consecutive treatment is K3, Bioplacenton, K2 and K1. Average skoring angiogenesis in the treatment groups in a row is K3, k2, K1 and Bioplacenton. Average skoring the formation of collagen in the treatment groups in a row is K3, Bioplacenton, K2 and K1. The conclusion of the research is there effect of jatropha's (*Jatropha curcas L.*) sap topically in the level of cuts recovery on white rats *Sprague dawley* strain, value is $p < 0.05$.

Key words: Cuts, Jatropha's sap, *Jatropha curcas L.*