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.