The Effect of Green Cincau Leaves Extract (*Cyclea barbata* L. Miers) for Total Fibroblast and Density of Collagen on Mice’s Skin

Tika Aulia Putri

**ABSTRACT**

This research was conducted to investigate the ability of green cincau leaves (*Cyclea barbata* L. Miers) effect as a medicinal plant for wound healing incision on mice. Twenty of two-three months old male mice with 25 gram average body weight was divided into five treatment groups, a treatment control (P0), positive control (P1) was given povidone iodine 10%, P2, P3, P4 was given concentration 40%, 60%, 80% of green cincau leaves extract. Each treatment consisted of four mice. The experimental design used in this study was completely randomized design (CRD). The data were analyzed using Anova then followed Duncan test and Kruskal-Wallis Statistic Method and then followed by Mann Whitney test with a significance of 5%. The result showed the effect of green cincau leaves extract concentration 80% can increase the number of fibroblasts and collagen fiber density.

**Key word**: Incision wound, Green cincau leaves extract, Fibroblas, Collagen