



Research article

Wound healing activity of ointment *Artocarpus lakoocha* Roxb. ethanol leaves extract evaluation on excision wound

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Abstract

Objectives: To investigate wound healing activity of ointment *Artocarpus lakoocha* Roxb ethanol leaves extract. **Material and methods:** The leaves of *Artocarpus lakoocha* Roxb. were dried and extracted with ethanol, followed by evaporation and freeze-drying. Phytochemicals screening was conducted to determining secondary metabolite. The male rats used were 24 for 6 treatments (betadine as a positive control, base ointment as negative control, ointment of 1%; 3%; 5%; 7%) of *Artocarpus lakoocha* Roxb leaf extract with each group of 4 male rats. **Results:** Phytochemicals screening were showed flavonoids, glycoside, saponin, tannin and steroids. The results of the ointment wound healing activity test, a good concentration in healing wounds is a 5% ointment with a percent reduction in wounds on day 3 of 28.43%; the 6th is 45.31%; the 9th is 60.31%; the 12th is 75.62% and the 15th is 88.75%. **Conclusion:** Finding of the present study provides a baseline data for excision wound healing and potential of *Artocarpus lakoocha* Roxb. leaves and support their traditional claim.