ABSTRACT

PENGARUH PEMBERIAN KULIT MANGGIS TERHADAP PROLIFERASI FIBROBLAS PADA PENYEMBUHAN LUKA PENCABUTAN GIGI TIKUS
THE EFFECT OF MANGOSTEEEN RIND ON FIBROBLASTS PROLIFERATION IN WOUND HEALING PROCESS POST TOOTH EXTRACTION OF RAT

Background: Case of traumatic wound is often found in the dentistry, for example is traumatic wound post tooth extraction. Herbal treatment of mangosteen rind extract can be an alternative in post tooth extraction wound healing. In mangosteen rind extract there is a compound xanthone which appears as an anti oxidant, gamma-mangosteen which appears as an anti inflammation, and alfa-mangosteen which appears as an anti bacteri in post tooth extraction wounds. Its anti oxidant, anti inflammation, and anti bacteri function may accelerate the proliferation of fibroblast in post tooth extraction wound healing, so that the process time could be minimized. Purpose: In accelerate the fibroblast proliferation in post tooth extraction wound healing on wistar rat. Methods: A whole research sample devided into two group. Group 1 was control, group 2 was given mangosteen rind’s extract. Results: Group with mangosteen rind’s extract having shows the most significant acceleration of fibroblast proliferation in wound healing process post tooth extraction on wistar rat. Conclusion: The mangosteen rind extract could accelerate the fibroblast proliferation in wound healing process post tooth extraction on wistar rat.

Keyword: mangosteen rind, proliferation of fibroblasts, tooth extraction wound healing