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ELECTRONIC THESIS AND DISSERTATION UNSYIAH

TITLE

PENGARUH PEMBERIAN GEL CHITOSAN TERHADAP PENYEMBUHAN LUKA INCISI PADA TIKUS PUTIH (RATTUS NORVEGICUS)

ABSTRACT

THE EFFECT OF GEL CHITOSAN ON HEALING INCISSION IN WHITE RATS (*Rattus norvegicus*)

ABSTRACT

This research is aimed to know the effect of giving chitosan gel to incision wound healing in male rats (*Rattus norvegicus*). This study used as many as 10 white rats (*Rattus norvegicus*) made wound incision, divided into two treatment groups. The treatment group 1 was applied with gentamicin and the second treatment group was applied gel chitosan twice daily for 7 days in a row. The parameters observed were the duration of wound healing process with respect to the degree of redness in wound, swelling, inflammatory fluid, and wound edges. Observations were made daily and observational data were analyzed descriptively. The results showed that the incisi wound that was given chitosan gel healed faster that is 4-5 days compared to the incised wound given gentamicin that is on day 6-7. Chitosan gel can be an alternative to wound healing incisi.