

PENGARUH PEMBERIAN INFUSA BUAH PARE (MOMORDICA CHARANTIA L.) TERHADAP
KESEMBUHAN LUKA INSISI PADA TIKUS PUTIH (RATTUS NORVEGICUS)

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ABSTRACK

The aim of this research was to find out the effect of giving bitter melon (*Momordica charantia* L) infusion 10% and 20% to the recovery of incision wound in rat (*Rattus norvegicus*) with histopatologic observation that according to inflammation cell, connective tissue, angiogenesis, epithelialization and hair follicles. This research use 48 female rat from Wistar strain age from 2 until 3 months which is given eight kinds of treatment which is observed at the day 10 and 20, each group consist of six rats. Every rat was incised on musculus gluteus medius for 2 cms long and 0,5 cm depth by using scalpel. At group treatment of P₀, incision wound at animal try to be let without medication. At group treatment of P₁, incision wound treated with Povidone iodine 10%. At group treatment of P₂, incision wound treated with bitter melon infusion by topical with 10% concentration. At group treatment of P₃, incision wound treated with bitter melon infusion by topical with 20% concentration. Medication is conducted twice a day that is evening and morning. Afterwards seen by its wound histopatology and seen microscopically. Data analysed by using *Kruskal-wallis* to be continued with test of Z 5% when got different result of reality. Result indicated that the effect of giving bitter melon (*Momordica charantia* L) infusion 10% and 20% have significant to the recovery of incision wound in rat (*Rattus norvegicus*).

Keywords: Incision wound, Momordica charantia L.