

ABSTRACT

This study was carried out to compare which leaf extract is more effective in healing the wounds of albino rat, either *Moringa oleifera* Lam. or *Ageratum conyzoides* Linn. and to determine which leaf extract concentration is more effective in healing the wounds of albino rat. The leaves were collected, dried, esterized, soaked in ethanol and then run through rotary evaporator. Three treatments were prepared for each extract with three replicates and two controls (negative and positive). Albino rats were bought and acclimatized for 2 weeks, infliction of wound was done using sterilized scissors and the wounds were cleaned using hydrogen peroxide. Each rat was treated with different concentration of leaf extract. The reduction of wound area, stop writhing, scab removal and fur appearance were observed within 4 weeks. Data were taken and analyzed statistically. Results showed that the positive control is the most effective in healing the wound, T₂ and T₃ malunggay and T₁ and T₂ goat weed leaf extracts are effective in healing the wound. Table 7.13 and 7.14 showed that both malunggay and goat weed leaf extracts have the different effects in stopping the writhing of albino rat, table 7.15 also showed that both leaf extract concentrations compared to the positive control have different effects in scab removal, table 7.16 showed that both leaf extracts have different effects in reducing the wound size while in table 7.17 all treatments have different effects except for T₀ vs T₂ which may be due to the overuse of the leaf extract. The average of the tukey tables show that malunggay is more effective in healing the wound compared to goat weed leaf extract because malunggay at higher concentration contains more vitamins and minerals that has wound healing properties while in goat weed at higher concentration is considered toxic due to high presence of alkaloids.