ABSTRACT

The crude leaf blade and stalk extract of the *Musa acuminata* (lakatan banana) was tested for its efficacy on the body's wound healing process. This comparative study was aimed to test the results based on different concentrations namely: 50%, 75% and 100% of the two parts from the test plant, and a wound healing treatment, as the positive control group to be administered on the incised wound of albino rats. This study also employed a Randomized Complete Block Design (RCBD) and One Way Analysis of Variance (ANOVA) to test the significant differences of treatments. A total of (21) 8-week-old albino rats were induced with 0.3 mm deep and 1.5 cm long dorso-lateral wounds. The application of the treatments was administered twice daily. The experiment was expected to last for around 8 weeks or in 2 months. Observation and analysis on the rate of wounds were done after the incision and application of crude extracts. After weeks of religiously following the same procedures, results were collected and conclusions were made. Based from the data collected, the control ointment (control group) had the fastest rate of wound healing compared to the crude extracts that were made. Among the crude extracts made, 100% Banana leaf blade extract had the fastest overall rate in terms of wound healing. All the crude extracts that were applied to the incised wounds of the rats were proven to have an effect when compared to distilled water. However, the extracts are less efficient than the control group. Despite being less efficient, some of the crude extracts were proven to have a significant effect. According to the overall sum of data gathered, 50% Banana leaf blade extract was chosen to be the most significant and being the most efficient among other extracts having a significant difference with the control. It is because of the leaves of *Musa acuminata* containing most of the phytochemicals, such as vitamin K and potassium, essential for the wound healing processes in the body.

Key items: *Musa acuminata*, phytochemicals, incision