THE EFFECTS OF PROPOLIS ON HISTOLOGICAL LIVER IN MALE MICE (*Mus musculus*)

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ABSTRACT

The aim of this research was to find out the effects of propolis on histological liver in male mice (*mus musculus*). This research used 25 male mice which are 12 weeks old which has 25-35 g of body weight. They were divided randomly into five groups. (P0) as a control was given 0.5 ml tween 80 /mice/day, and other group were given propolis for (P1) 0.4 mg /mice/day, (P2) 0.8 mg /mice/day, (P3) 1.6 mg /mice/day, and (P4) 3.2 mg /mice/day. After two weeks treatment, the mice eutiniced by *cervical dislocation* and then took the liver for the histological preparations. The histological staining used H.E. The data were analyzed by *Kruskall-Wallis* method based on *Completely Randomized Design*, and further analyzed by Z test. The result from statistical analysis showed that treatment with propolis effect on histological liver in male mice and did not give a bad effect on the body, so the propolis is safe for consumption.

**Keyword:** Propolis, liver, mice, histological.