

HISTOPATHOLOGY OF LIVER OF MALE MICE (*Mus musculus*) WHICH EXPOSED WITH CIGARETTE SMOKE AND GIVEN ETHANOL EXTRACT OF KEPOK BANANA PEEL (*Musa acuminata*)

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ABSTRACT

This research aims was to proven that ethanol extract of Kepok banana peel (*Musa acuminata*) could reduce liver damage at the liver histopathology of male mice (*Mus musculus*). This research used 20 male mice (*Mus musculus*) 8-12 weeks old, body weight about 20 - 25 gram, with six kinds of treatment and 4 times of repetition. All the groups, except K- as a control group, was treated with cigarette smoke for 14 days. After that, P1 was treated with kepok banana peel extract 14 mg/kgBW, P2 was treated with kepok banana peel extract 28 mg/kgBW, and P3 was treated with kepok banana peel extract 56 mg/kgBW and K.O was treated with ascorbic acid 13 mg/kgBW for 14 days without cigarette smoke. Samples were scoring by Knodell (2000) and Klopfleisch (2013) method and analyzed with *Kruskal Wallis* and continued to *Mann Whitney* test. The results showed that at the group of P1 could reduce liver damage than the group of K+, K.O, P2 and P3. This showed that the ethanol extract of kepok banana peel (*Musa acuminata*) with a dose of 14 mg/Kg BW could reduce liver damage.

Keyword: liver, cigarette smoke, kepok banana peel, mice.