

The Phyto Protective Effect Of Ambon Banana Stem Extract (*Musa Paradisiaca* Var.*Sapientum*) On Duodenum Histopathology of Rats (*Rattus Novergicus*) Induced by Indomethacin.

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ABSTRACT

Indomethacin is Non-Steroidal Anti Inflammatory Drug (NSAID) such as fever, rheumathoid arthritis treatment and post surgery treatment. In this reasearch, 15 mg/kg BB indomethacin was given orally. Indomethacin has side effect on duodenum which is caused Inflammatory. The flavonoid in ethanol extract of ambon banana stem (*Musa paradisiaca* var.*sapientum*) had possibility to be used as a preventive. This research was aimed to determine the histopatology of duodenum rats. This experiment used male rats (*Rattus norvegicus*) aged 8-12 weeks and weigh 150 grams, were divided into five experimental groups, those were control-rats, Indomethacin induced rats, and group of ambon banana stem extract with dose of P1 = 20 mg/150gBW, P2 = 40 mg/150gBW, P3 = 80 mg/150gBW. Each duodenum specimen was processed and histopathological changes were observed. Score of epithelial integrity as qualitative data were analyzed with *Kruskall Wallis* test continued by *Z* test. The result of the study showed that ethanol extract of ambon banana stem could repaired damage of duodenum histopathology ($p < 0,05$). Duodenum histopathology repaired was marked by improvements epithelial cells of duodenum.

Keywords : Inflammatory, Indomethacin, ambon banana stem (*Musa paradisiaca* var.*sapientum*), histopathology duodenum.