

The Effect Of Indomethacin and Ambon Banana Stem Extract (*Musa Paradisiaca Var.Sapientum*) On Ileum Histopathology of Rats (*Rattus Novergicus*).

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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 research, 3,15 mg/kg BB indomethacin was given orally. Indomethacin has side effect on ileum which is caused Inflammatory. The flavonoid in ethanol extract of ambon banana stem (*Musa paradisiaca var.sapientum*) had possibility to be used as a therapy. This research was aimed to determine the histopatology of ileum 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 = 100 mg/kgBW, P2 = 300 mg/kgBW, P3 = 400 mg/kgBW. Each ileum specimen was processed and histopathological changes were observed. Score of submucosal edema, PMN infiltration, the number of goblet cell, epithelial integrity as qualitative data were analyzed with *Kruskall Wallis* test continued by mann whitney test. The result of the study showed that ethanol extract of ambon banana stem could repaired damage of ileum histopathology ($p < 0,05$). Ileum histopathology repaired was marked by improvements epithelial cells of ileum.

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