THE EFFECTS OF BANANA STEM (*Musa paradisiaca var. sapientum*) EXTRACT ON HISTOPATHOLOGIC GASTRIC OF RATS INDUCED BY INDOMETACHIN

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ABSTRACT

This research aims to find out the administration effect of Ambon banana stem extract (*Musa paradisiaca var. sapientum*) to prevent gastric damage and observe histopathology of rat’s gastric induced by indomethacin. This research used 30 male rats age 8-12 week having 150 gram weight. They were selected randomly and divided into five groups. Negative control (K-) was given 0,5 ml CMC Na 0,5 % for 9 days and 0,5 ml corn oil was given on 10th day. Positive control (K+) was given 0,5 ml CMC Na 0,5% for 9 days and then given Indomethacin emulsion 5 mg/0,5 ml/150 g BW once on 10th day, and the other groups were given Ambon banana stem extract for (P1) 20 mg/150 g BW, (P2) 40 mg/150 g BW and (P3) 80 mg/150 g BW for 9 days. Afterwards, they were given Indometachin emullion 5 mg/150 g BW once on 10th day. Each gastric specimen was processed and histopathological changes were observed. Scoring of mucosa epithelium erosion and hemorrhagic, as qualitative data, was analyzed by Kruskall-Wallis test and continued by using Z test. The result shows that Pisang Ambon’s stem extract reduce significantly in gastric mucosa epithelium erosion and hemorrhagic induced by Indomethacin (p<0.05).

Keyword: Anti inflammatory, Pisang Ambon’s stem extract (*Musa paradisiaca var. sapientum*), Indometachin, Gastric