

**THE EFFECTED OF GIVEN AMBON BANANA STEM EXTRACT (*Musa Paradisiaca* L.) FOR INTERLEUKIN 6 (IL-6) EXPRESSION IN THE STOMACH OF WHITE RAT (*Rattus norvegicus* L.) WHICH INDOMETHACIN INDUCED**

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**ABSTRACT**

This research was aimed to determine the effect of given Ambon banana stem extract for IL-6 expression in the stomach of white rat which indomethacin induced using immunohistochemistry staining techniques. The parameter of this research was an interaction between antigens and antibodies which were visualized by the appearance of brown color in the stomach which were IL-6 are expressed. The 2 – 3 months old white rat with 150-200 grams of weight divided into 5 groups with 4 replicates each consisting of K-, K+, P1, P2, and P3. On K- and K+ were given CMC Na 0,5% solution with 0,5 ml/0,15 kg daily for 12 days. On P1, P2, and P3 were given banana Ambon stem extract with dose of each treatment were 100 mg/0,15 kg, 200 mg/0,15 kg, and 400 mg/0,15 kg daily for 12 days. On the 8<sup>th</sup>, the K- and K+ groups were given corn oil with dose 0,5 ml/0,15 kg after 1 hour of given CMC Na 0,5% and the P1, P2, and P3 groups were given indomethacin solution with dose 2,25 mg/0,15 kg after 1 hour of given banana Ambon stem extract. On the 13<sup>th</sup>, the stomach were prepared for histopathology preparation by using immunohistochemistry staining. The results showed that there were differences in the percentages of brown color in each treatment groups which showed that the extract of banana Ambon stem could affect the expression of IL-6 in the stomach of white rat.

**Keywords** : Ambon Banana Stem Extract, Inflammation, Interleukin 6, *Musa paradisiaca*