

**THE EFFECT OF AMBON BANANA STEM EXTRACT (*Musa paradisiaca*  
*var. sapientum*) AGAINST TUMOR NECROSIS FACTOR ALPHA  
EXPRESSION (TNF- $\alpha$ ) ON GASTRIC OF RATS (*Rattus norvegicus*)  
INDUCED BY INDOMETHACIN**

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**ABSTRACT**

The purpose of this research was to prove the role of ambon banana stem (*Musa paradisiaca var. sapientum*) against inflammation as measured by decreased expression of Tumor Necrosis Factor Alpha (TNF- $\alpha$ ) in gastric of rat (*Rattus norvegicus*). Twenty rats (*Rattus norvegicus*) with 8-12 week ages and 150-200 g average of body weight were divided into five groups (K-, K+, P1, P2 and P3). K- and K+ as control, P1 was treated with ambon banana stem extract dose 200mg/kg BW, P2 was treated with ambon banana stem extract dose 400mg/kg BW, P3 was treated with ambon banana stem extract dose 800/kg BW. This research has been conducted for 13 days. The data of TNF- $\alpha$  expression were analyzed with Kruskal-Wallis and continued with Man-Whitney. Result showed there were significant ( $p < 0.05$ ) different between treatment groups. This research concluded that ambon banana stem extract with dose 800mg/kg BW can prevent gastritis on gastric of rats.

**Key words:** Tumor Necrosis Factor Alpha (TNF- $\alpha$ ), gastric, ambon banana stem extract, indomethacin.