

ANTI-INFLAMMATION EFFECT OF EXTRACT ETHANOL

Momordica charantia linn. IN RATS (*Rattus norvegicus*)

Jaenal Arifin

ABSTRACT

ABSTRACT

The purpose of this research to observed the anti-inflammatory effect of *Momordica charantia* Linn fruit to compared with aspirin, in rats. Subjects were male rats of 2-3 month old with body weight of 160-200 g, divided into 5 groups. First groups was given CMC 0,5% only , Second groups was given aspirin 62.5 mg/kg body weight, Third groups was given with extract ethanol of *Momordica charantia* Linn 208,33 mg/kg body weight, Fourth groups was given with extract of *Momordica charantia* Linn 250 mg/kg body weight, Fifth groups was given with extract ethanol of *Momordica charantia* Linn 312.5 mg/kg body weight of rat in CMC 0,5 % Suspension. Evaluated the anti-inflammatory effect of *Momordica charantia* Linn by measuring the inhibition of oedema volume. The Substance was given per-oral, one hour after carragenan 1% suspension was given 0,05 ml intraplantar into the right paw rats. The oedema volume was measured with the plethysmometer. After analyzed with ANOVA two ways ($\alpha = 0,05$) than be continued HSD test. The result showed that there were significant between control negative group with the other group. This result showed that the extract ethanol of *Momordica charantia* Linn had an anti-inflammatory effect.

Keywords : *Momordica charantia*; anti-inflammatory, oedema, carragenan, plethysmometer