

## ABSTRACT

This research about Activity Test Anti-Inflammatory of Jackfruit Leaf (*Artocarpus heterophyllus* Lam.) Extract in Rats (*Rattus novergicus*) with Induction Caragen. This research aims to determine the activity of Jackfruit Leaf (*Artocarpus heterophyllus* Lam.) Extract in White Rats (*Rattus novergicus*) to see a decrease in volume edema of leg.

This research uses an experimental laboratory. The samples are white rats (*Rattus novergicus*) were randomly divided into five treatment groups ie negative control (CMC Na 0,5%), positive control (celecoxib 1mg/day), a dose of 1 (25 mg/kgBW), a dose of 2 (100 mg/kgBW) and a dose of 3 (250 mg/kgBW). One hour after treatment, the rats induced caragen in it's left leg. Measurement of volume leg edema before and after induced caragen in minute 0,15,30,60,120 using the pletismometer.

The results of this research obtained through normality and homogeneity test are  $p > 0.05$  indicates that the data are normally and homogenous distributed. Then performed statistical test ANOVA one way with the results at the 30' and 120' are  $p < 0.05$  indicates there is a significant difference between treatments. Then proceed with Duncan'S multiple ranghe test with those in the 30' dose group 1 is different from the other groups. While in the 120' positive control group there was no difference from the other groups. While in the 120' positive control group there was no difference with the first dose group.

In conclusion, Jackfruit Leaf (*Artocarpus heterophyllus* Lam.) Extract at a dose of 25 mg/kgBW has the ability as an anti-inflammatory and comparable to celecoxib 1 mg/day.

**Keywords :** *anti-inflammatory, jackfruit leaf extract (Artocarpus heterophyllus Lam.), celecoxib*