



Antiinflammatory Effects of Ethanolic Extract of Purple Passion Fruit (*Passiflora edulis* Sims.) Peel Against Inflammation on White Male Rats Foot

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Abstract: Purple passion fruit (*Passiflora edulis* Sims.), Passifloraceae. Previous studies of purple passion fruit peel is to know the safety limits as a drug. The purpose of this research is to determine the anti-inflammatory effects of ethanolic extract of purple passion fruit peel (EEPPFP) using a paw edema method with pletismometer. As the animal experiment 25 rats were divided into 5 groups, each group numbered 5 rats. As used inducer of λ -carrageenan 1% given intraplantar. Na-CMC 0.50 % as a negative control, diklofenac sodium dose of 4.50 mg / kg bw as a positive control and extract EEPPFP dose of 200, 300 and 400 mg / kg bw, as the test material is administered orally. Observations carried out for 6 hours. The test data were statistically analyzed using one-way ANOVA followed by Duncan test.

The test results of antiinflammatory activity of EEPPFP extract dose of 200 mg / kg bw, EEPPFP dose of 300 mg / kg bw, EEPPFP dose of 400 mg / kg bw have anti-inflammatory effects as against artificial inflammation in the rat foot induced with λ -carrageenan 1% in intraplantar. EEPPFP 400 mg / kg bw has the greatest effect of average inflammatory inhibition compared to EEPPFP dose of 300 mg / kg bw and 200 mg / kg bw. Statistical analysis showed that there was no significant difference between EEPPFP dose of 400 mg / kg bw with diclofenac sodium 4.50 mg / kg bw at 95% confidence level.

Key Words :Ethanolic Extract, Purple Passion Fruit (*Passiflora edulis* Sims.), Antiinflammatory Effects, Carrageenan.

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