ABSTRACT


Key Word: Ethanol Extract Leaves Soursop Annona Muricata L., Enzyme Levels of transaminase (SGPT dan SGOT) in Mus musculus, and 7, 12-dimetilbenz(α) antrasen (DMBA).

SGPT and SGOT is an enzyme that is used as an indicator of liver damage. Liver plays an important role in the detoxification of toxic materials, one of which is DMBA. Soursop leaves contain antioxidant compounds that can reduce levels of SGPT and SGOT enzymes. Therefore, this research aims to find out effect of ethanol extract leaves soursop Annona Muricata L. against flour enzyme levels of transaminase (SGPT dan SGOT) in Mus musculus infected 7,12-dimetilbenz (α) antrasen (DMBA) By In Vivo.

This Study is an experimental study using a completely Randomized Design (RAL) with (6) six treatment groups and (4) four repitition. The treatment group was divided into four dose. 1 dose of 100 mg/kg BB, 2 doses of 150 mg/kg BB, 3 doses of 200 mg/kg BB, and 4 doses of 250 mg/kg BB. Data were analyzed with analysis of variance (One Way ANOVA). If it shows there influence then tested further by BNT test significant level $\alpha = 1 \%$.

The result of SGPT is (K+) is 154,472±4,09 U/I, while in P1, P2, dan P3 each is, 134,352±3,03 U/I, 118,137±2,69 U/I, and 88,950±3,34 U/I. Levels of SGOT in the (K+) is 132,174±2,63 U/I, while in P1, P2, dan P3 each is, 117,674±2,63 U/I, 105,232±2,34 U/I, and 79,717±3,56 U/I. therefore concluded that the ethanol extract leaves soursop Annona Muricata L. affect the levels of transaminase enzymes (SGPT dan SGOT) in Mus musculus infected 7,12-dimetilbenz (α) antrasen (DMBA) By In Vivo. Where as the effective dose that used to reduce levels of transaminase enzymes SGPT and SGOT is P3 dose of 200 mg/kg BB.