

Rosyidah, I'anatur. 2013. Effect of Ethanol Leaf Extract Soursop (*Annona muricata* L.) Levels Against *Superoxide dismutase* (SOD) and *malondialdehyde* (MDA) mammary mice (*Mus musculus*) Betina Induced 7.12-Dimetilbenz (α) Antrasen (DMBA) By In Vivo. Supervisor I: Dr. drh. Bayyinatul M.. M, Si., Supervisor II: Dr. Munirul Abidin M. Ag.

Keywords: Soursop (*Annona muricata* L.), SOD, MDA, DMBA, and mice (*Mus musculus*) females.

The purpose of this study was to determine whether administration of ethanol extract of leaves of soursop (*Annona muricata* L.) affects the levels of *Superoxide dismutase* (SOD) and *Malondialdehyde* (MDA) mammary mice (*Mus musculus*) females induced 7.12-Dimetilbenz (α) Antrasen (DMBA) in vivo. This research is an experimental study using a completely randomized design (CRD) with 6 treatments and 4 replications. Treatment in the study were K-(negative control) mice females given solvent extract of soursop leaves (Na CMC) and solvent DMBA (corn oil), K + (positive control) mice females given solvent extract (Na CMC) and 7,12-Dimetilbenz (α) Antrasen (DMBA), (P1) group of mice given ethanol extract of leaves of soursop I dose (100 mg / kg), (P2) group of mice given the extract soursop leaf ethanol II dose (150 mg / kg), (P3) group of mice given ethanol extract of soursop leaves the third dose (200 mg / kg), and (P4) group of mice given ethanol extract of soursop leaf IV dose (250 mg / kg). Parameters were observed in the above treatment is superoxide dismutase levels (SOD) and the levels of *Malondialdehyde* (MDA) mammary mice (*Mus musculus*) females. Data were analyzed using One Way ANOVA. If the analysis shows a significant influence, then followed by Duncan's test 1%.

The results showed that the ethanol extract of leaves of soursop (*Annona muricata* L.) affects the levels of *Superoxide dismutase* (SOD) and *Malondialdehyde* (MDA) mammary mice (*Mus musculus*) females induced 7.12-Dimetilbenz (α) Antrasen (DMBA) in in vivo. The most effective dose found in the P3 treatment III dose of 200 mg/kg BB.