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-Dimethylbenz (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-Dimethylbenz (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-Dimethylbenz (α) Antrasen (DMBA) in in vivo. The most effective dose found in the P3 treatment III dose of 200 mg/kg BB.