ABSTRACT

THE EFFECT OF SOURSOP LEAVES (Annona muricata L.) ETHANOL EXTRACT ON MALONDIALDEHYDE (MDA) LEVELS OF BREAST TISSUE WHITE FEMALE RATS INDUCED DIMETILBENZ 7.12 (α) ANTRASEN (DMBA)

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Breast cancer can occur due to the accumulation of DNA damage by various mechanisms, one of which is a result of oxidative stress. The use of natural materials is necessary given the many side effects of cancer therapy. Soursop leaves Annona muricata L. be an alternative because it is a leaves that has potential as an antioxidant. The aimed of study to determine the antioxidant effect of ethanol extract soursop leaves Annona muricata L. were evaluated from the levels of malondialdehyde (MDA) breast tissue of female mice. This research is an experimental design with 4 treatment groups. Group K1, negative control; group K2, positive control was induced DMBA 20 mg/kgBW 2 times a week; P20 given DMBA 20 mg/kgBW 2 times a week + soursop leaf extract 20 mg/kgBW; and P40 given DMBA 20 mg/kgBW 2 times a week + soursop leaf extract 40 mg/kgBW. Measurement of MDA conducted using methods Wills. The test results of one way ANOVA test was obtain p<0.005, showed that the ethanol extract of soursop leaves with a dose of 40 mg/kgBB has effect on MDA decreased levels of breast tissue female white rats that induced by DMBA.

Keywords: Ethanol Extract Soursop leaves, Malondialdehyde, Oxidative Stress