THE EFEFCT OF INFUSION SOURSOP LEAF *(Annona muricata)* TO CHOLESTEROL MEAT HYBRID DUCK *(Anas platyrhynchos)* WHICH TRHEATENED LASER SEMICONDUCTOR

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ABSTRACT

The purpose of this research was to decrease cholesterol of meat hybrid duck (*Anas platyrhynchos*) which treatment laser semiconductor after giving infusion of soursop leaf *(Annona muricata).* This research used experimental method with complete randomized design. The subject of this research were 20 hybrid ducks which divided into 5 groups, 4 replication. The laser treatment was given once every seven days. Feeding was given based on standart determined, in addition to giving vitamins for initial period. Treatment with infusion of soursop leaf began at two weeks before harvesting. Then each group were given treatment, group K- was not given infusion and laser, group K+ was given laser 0,2 J, group P1 was given infusion of soursop leaf which dose 10% and laser 0,2 J, P2 was given infusion of soursop leaf which dose 17 % and laser 0,2 J, and the last P3 was given infusion of soursop leaf which dose 34% and laser 0,2 J. The examination was conducted with a sample piece of duck thigh meat using *Enzychrom AF HDL & LDL/VLDL Assay Kit.* Data were analyzed by using ANOVA one way and any significant differences were further tested using Duncan's Multiple Range Test.. The results showed that significant differences among treatment groups ($p<0,05$). The conclusion was infusion soursop leaf can't decrease cholesterol of meat hybrid duck which threatened laser semiconductor.

Key words : cholesterol meat, infusion of soursop leaf, hybrid ducks