

***The Effect Of Giving Purple Sweet Potato Flour Cake Towards Triglyceride Levels Of Hypercholesterolaemia Wistar Rats***

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**ABSTRACT**

*Consuming foods high in fat and calories will cause disruption of fat metabolism in the body, such as increased triglyceride levels. This condition can increase indications of hypercholesterolaemia. One effort to reduce triglyceride levels can be done by consuming food processed products that contain anthocyanins, such as purple sweet potato flour cake. The aim of this research is to determine the effect of giving purple sweet potato flour cake towards triglyceride levels of hypercholesterolaemia wistar rats. The type of this research is true-experimental with a pretest-posttest design with control group. This study used 20 male wistar mice aged 2-3 months with a body weight of 140-300 grams which were divided into three groups, namely the negative control group (K-) which was given standard rat bio feed of 20 g/day, the positive control group (K+) was given standard rat bio feed of 20 g/day and HFD sonde of 2 ml/day, as well as the treatment group (P), which was given a standard feed of 13 g/day of rat bio, 2 ml/day of HFD sonde and 7.3 grams/day of purple sweet potato flour cake for 28 days. The results of this study showed that triglyceride levels before and after the intervention were significant differences in the negative control group ( $p = 0,000$ ) and there were significant differences in the positive control group ( $p = 0,046$ ), while in the treatment group there were no significant differences ( $p = 0,568$ ). The test results showed that there were no significant differences between the differences in pretest and posttest triglyceride levels between the negative control, positive control and treatment groups ( $p = 0,479$ ). There was no effect of giving purple sweet potato flour cake towards triglyceride levels of hypercholesterolaemia wistar rats.*

***Keywords: Purple sweet potato flour Cake; Triglyceride Levels; Hypercholesterolaemia***