

**Effect of Chocolate Drink on Triglyceride Levels in White Wistar Rats with Dyslipidemia Models** (*Pengaruh Minuman Cokelat Terhadap Kadar Trigliserida Pada Tikus Putih Galur Wistar Model Dislipidemia*)

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**ABSTRACT**

*Dyslipidemia is a disease caused by a disruption in lipid metabolism characterized by increased levels of total cholesterol, LDL, triglycerides and decreased HDL. One of the treatments for dyslipidemia is the drug simvastatin and alternative chocolate drinks which can reduce triglyceride levels which contain 38.44% flavonoids. The research objective was to determine the effect of chocolate drink on triglyceride levels in white rats Wistar strain dyslipidemia model. This type of research used true-experimental with pretest - posttest with control group design. This study used 25 male white rats Wistar strain aged 2-3 months with a body weight of 150-200 grams. Division of rats into 2 control groups and 3 treatment groups, dose I was given chocolate drink 5.3 ml / 2x / day, dose II was given 9 ml / day of simvastatin, and dose III was given chocolate drink 5.3 ml / 2x / day and simvastatin 9 ml / day. Triglyceride levels were checked using the GPO-PAP reagent method. The data were analyzed using the One Way Anova, Kruskal Wallis, and Paired T-Test. There is a difference in the decrease in triglyceride levels before and after  $68.4 \pm 14.0$  p value = 0.090. The conclusion of this study is that there is no significant difference in triglyceride levels before and after giving chocolate and simvastatin drinks in the treatment group.*

**Keywords:** *Chocolate drink, Dyslipidemia, Triglyceride Level.*