

**SOYBEANS-DRAGON FRUIT PEELS POWDER GIVING AGAINST LDL LEVELS OF Sprague dawley RATS MALE DYSLIPIDEMIA (SOYBEANS-DRAGON FRUIT PEELS POWDER GIVING AGAINST LDL LEVELS OF Sprague dawley RATS MALE DYSLIPIDEMIA)**

**Wilda Ulinnuha**

*Clinical Nutrition Study Program*

*Department of Health*

**ABSTRACT**

*Dyslipidemia is a medical condition where blood lipid levels become abnormal characterized by the presence of increased total cholesterol levels, LDL levels, triglyceride levels and decreased HDL levels. Non-pharmacological therapy that can be given i.e drink Soybean-Dragon Fruit peels Powder containing antioxidants. The antioxidant compounds contained in the Soybean-dragon Fruit peels powder are flavonoids and isoflavones that serve to lower the oxidation rate of LDL. The purpose of this study was to determine the effect of Soybeans-dragon fruit peels powder drinking on LDL levels of Sprague dawley male dyslipidemia rats. This study was conducted in November 2019 to January 2020 in the biomedical Laboratory of the Faculty of Dentistry of the University of Jember. The type of this research is true experimental. The design of this research is Pre-Post Test Control Group Design. The samples used were 27 Sprague dawley rats aged 2-3 months, weight 150-250 grams and divided into 3 groups, namely the negative control group, positive control and treatment. Treatment group is given a drink Soybean-dragon fruit peels powder as much as 12.8 ml/kg BB/day by way of Sonde. The results of the analysis of LDL levels indicate there is a significant difference between groups before the (pretest) ( $P = 0,044$ ), there is no significant difference in the level of LDL between groups after (posttest) ( $p = 0.481$ ), there is no difference in LDL levels before (pretest) and after (posttest) in the negative control group ( $p = 1,000$ ) and the treatment group ( $p = 0,575$ ) but there is a difference in LDL levels before (pretest) and after (posttest) in the positive control group ( $P = 0,042$ ) and there is no difference in LDL levels between group ( $p=0,505$ ). There is no effect of giving a Soybean-dragon fruit peels powder drink on LDL levels of Sprague dawley male dyslipidemia rats.*

**Keywords:** *Dyslipidemia, LDL, Soybean-dragon fruit peels powder drink*