

***The Effect of Giving Steeped Rosella with Dayak Onion on Total Cholesterol Levels in Dilipidemic Rats***

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**ABSTRACT**

*Dyslipidemia is a disorder caused by disorders of plasma lipid metabolism which is characterized by disturbances in the lipid fraction in plasma. Steeping rosella with Dayak onions contains flavonoid antioxidants, vitamin C, saponins and pectin which can reduce total cholesterol levels. This study aims to determine the effect of steeping rosella with Dayak onions on total cholesterol levels in dyslipidemic rats. This type of research is True Experimental with Pretest-Posttest Control Group design. This study used 21 male wistar rats aged 2-3 months with a body weight of 100-300 grams. The rats were divided into three control groups, namely the negative control group (K-) which was given a standard diet of AD2, the positive control group (K+) was fed a high-fat diet and the treatment group (P) was fed a high-fat diet along with rosella steeping with 10 ml of Dayak onions. /rat/day. Data were analyzed using SPSS v.25 software. The results showed that there was a significant difference in total cholesterol levels in dyslipidemic rats between groups before the intervention ( $p=0.38$ ), there was a significant difference in total cholesterol levels in dyslipidemic rats between groups after the intervention ( $p=0.43$ ), there was no difference. which means total cholesterol levels in the treatment group (P) before and after the intervention ( $p = 0.14$ ), the results of the test of the difference in blood cholesterol levels of dyslipidemic rats between groups before and after the intervention there was a significant difference ( $p = 0.001$ ). The conclusion of this study is that the administration of rosella infusion with Dayak onions has an effect on lowering cholesterol levels in dyslipidemic rat.*

**Keywords:** Rosella, Dayak Onion, Dyslipidemia, Total Cholesterol.