

ABSTRAK

Diabetes mellitus is the fourth causes of non communicable diseases. Diabetes meillitus is caused by an altered insulin secretion, function or both. One of the risk factor of Coronary Heart Disease for patient with DM type 2 is dyslipidemia. Dyslipidemia is a lipid profile abnormality such as the increasing of total cholesterol level, trigliseride, LDL and the decreasing of HDL level. At DM condition, patients will encounter a lipid profile change such as hypercholesterolemia, hypertrigliseride, and the increasing of LDL level. The aim for this study was to see the effectivity of kepok banana peel waste product in order to decrease LDL-Cholesterol level on streptozocin induced *Rattus norvegicus*. This study is an experimental research with pre and post test control design. Samples included for this research were 25 *Rattus norvegicus*. Data were analyzed with *wilcoxon test*, *kruskall wallis*, and *mann withney test*. The duration for this study was 21 days. LDL level data were taken twice during the research; before and after the experiment. Analysis result on Utilization of kepok banana peel waste product to decrease LDL-Cholesterol level on streptozocin induced *Rattus norvegicus* shows result with p value=0,043 at the doses 400 mg/kgBB, 200 mg/kgBB and 100 mg/kgBB. Thus, it can be concluded that there is a significant difference between LDL level before and after experiment.

Key words: diabetes mellitus, LDL Cholesterol, *musa paradisiaca*, *streptozotocin*