

ABSTRACT

EFFECT OF ETHANOL EXTRACT OF BANANA PEEL JANTEN ON LEVELS OF HDL AND LDL ON WHITE MALE RATS SPRAGUE DAWLEY STRAIN

By

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Degenerative disease is one of the major problem not only in modern but also developing country, like Indonesia. One of the most common degenerative disease that cause death is Acute Coronary Syndrome or we know it as coronary heart disease. The major cause of this disease is dyslipidemia, it's signed by the decrease of HDL level and increase of LDL. Lampung is one of Indonesia's biggest banana producer. Banana fruit using for the production activity will result a lot of banana peels. This banana peel, has a potency to increase HDL level and decrease the LDL level because of its antioxidant potency. This research is aimed to know the influence of giving ethanolic extract of janten banana fruit peel for the HDL and LDL level in male rats fro *Sprague Dawley* strain. This is an experimental reserach with pre and posttest design with 32 male rats from *Sprague Dawley* strain as the subjects. Group K1 (control, standard diet) and group K2 (standard diet plus extract of janten banana fruit peel). Normality test did by Shapiro Wilk test ($p>0,05$). Data analysis then continued by paired t test. From the results, we know the HDL level of group K1 ($34,00 \pm 2,25$), HDL level of group K2 (before $28,00 \pm 1,86$ and after $35,00 \pm 2,47$). LDL level in the K1 group is $20,00 \pm 2,33$, LDL level in group K2 (before $26,00 \pm 2,73$ and after $21,00 \pm 2,12$). Based on these results, we can conclude that giving ethanolic extract of janten banana fruit peel influence the HDL and LDL level in male rats fro *Sprague Dawley* strain.

Keyword : ethanolic extract of janten banana fruit peel, HDL level, LDL level