ABSTRACT

THE INFLUENCE OF GIVING ETHANOLIC EXTRACT OF AMBON FRUIT PEEL AND KEPOK FRUIT PEEL TO THE TOTAL CHOLESTEROL LEVEL IN THE MALE RATS FROM *SPRAGUE DAWLEY* STRAIN

By

NYIMAS ANNISSA MUTIARA ANDINI

High plasma cholesterol level is one of the major risk factor that contribute to the prevalence and heaviness of cardiovascular disease. This research is aimed to know the influence of giving ethanolic extract of ambon banana fruit peel and kepok banana fruit peel to the total cholesterol level in the male rats from *Sprague Dawley* strain. It uses pre and posttest experimental design. The subjects are 27 male *Sprague Dawley* strain rats. There are group K1 (standard diet), group K2 (standard diet plus ethanolic extract of ambon banana fruit peel), and group K3 (standard diet plus ethanolic extract of kepok banana fruit peel). Before, group K2 and K3 have given a high fat diet plus fructose liquid 60% for 14 days. From the results, we got the K1 control total cholesterol level (69,00 ± 9,26), decreased of total cholesterol level in group K2 (from 71,00 ± 4,12 to 68,00 ± 5,07), and decreased of total cholesterol level in group K3 (from 79,00 ± 3,80 to 68,00 ±3,12). Datas of total cholesterol level before and after treatment of ethanolic extract of ambon and kepok fruit peel are analyzed with paired t test ($p<0,05$), group K2 $p=0,003$ and for group K3 $p<0,001$. We can conclude that giving ethanolic extract of ambon banana fruit peel and kepok banana fruit peel influence the total cholesterol level in the male rats from *Sprague Dawley* strain.

Keywords : ethanolic extract of ambon banana fruit peel, ethanolic extract of kepok banana fruit peel, total cholesterol level