

ABSTRACT

THE EFFECT OF GRANTING JENGKOL SEED EXTRACT (*Pithecellobium lobatum* Benth.) TO TOTAL BLOOD CHOLESTEROL LEVELS OF WHITE RATS (*Rattus norvegicus*) SPRAGUE DAWLEY FURROW ALLOXAN INDUCED DIABETES

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Jengkol seed (*Pithecellobium lobatum* Benth.) herbal medicine is use as medicine to lower blood sugar levels. Jengkol seed has include antioxidant it can to lower total cholesterol lever in white rats alloxan induced diabetic. This research purpose to prove whether there is a effect of the granting seed extract jengkol to total cholesterol levels of diabetic rats in various doses for 14 days.

An eksperimental research with *Post Test Only Control Group Design*. Total sampels 25 rats were randomly divided into 5 groups. Negative control group were fed a standard, positive control induced alloxan and fed standard while the P1, P2, P3 and alloxan induced jengkol seed with successive doses of 600,900 and 1200 mg/ kgbb orally for 14 days. Scoring target is a decreasein total cholesterol levels.

The average of total cholesterol levels in the groups of K-,K+ P1, P2, and P3 succesively are 59; 59.8; 69.4; 56.6 and 56.6 mg/dl. The analysis by Kruskal wallis show no significant difference ($p=0,794$). There was no significant difference to total cholesterol levels of alloxan-induced diabetic rats and jengkol seed extract fit increase in doses.

Key words : Diabetic, mices, seed jengkol (*Pithecellobium lobatum* Benth.), total cholesterol.