ABSTRACT

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

BY

FITRI LIANI

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.