



**EFFECTS OF *Pandanus amaryllifolius* Roxb. (PANDAN) ETHANOLIC
LEAF EXTRACT TO THE LIPID PROFILE OF MALE
Rattus norvegicus (ALBINO RATS)**

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ABSTRACT

Hypolipidemic and hypocholesterolemic drugs or dietary manipulations could lessen the risk of heart diseases. Current interest in natural products has stimulated the search for new cholesterol-lowering agents from these sources. The study aimed at evaluating the effects of *Pandanus amaryllifolius* ethanolic leaf extract to the lipid profile of hyperlipidemia-induced male albino rats. The different groups of animals were given a high fat diet to induce hyperlipidemia. Pandan ethanolic leaf extract was administered to the hyperlipidemic rats at doses 100mg/kg, 200mg/kg, and 400mg/kg respectively to each treatment groups. The effect of Pandan ethanolic leaf extract to the lipid profile parameters (total cholesterol, triglycerides, VLDL, LDL, and HDL) was measured. Pandan ethanolic leaf extract did not produce a significant ($p < 0.05$) decrease in all lipid profile parameters except for HDL. Only the 200mg/kg dosage yielded the effects with significance to the other control. The findings suggest that Pandan ethanolic leaf extract has increased the level of HDL of the test subject.

Key words: hyperlipidemic, total cholesterol, triglycerides, VLDL, LDL, HDL, treatment groups