



ABSTRACT

Flacourtia jangomas leaves were used for the evaluation of hypolipidemic effects against high fat induced albino rats. This study aimed to investigate the lowering and significant effect of the extract on the lipid profile. The albino rats had undergone inducement of high fat diet for 2 weeks. The leaves were dried, powdered and extracted with ethanol administered to the albino rats at a dose of 200mg/kg, 400mg/kg and 800mg/kg orally for fourteen (14) days as well as simvastatin (10mg/kg) that was used as a positive control. *Flacourtia jangomas* ethanolic leaf extract potentially reduced Total cholesterol (TC), Triglycerides (TG), Low Density Lipoprotein (LDL), and Very low- density lipoprotein (VLDL) and enhanced High density lipoprotein (HDL) but not statistically significant. On the other hand, TG and VLDL showed significance statistically.

Key words: Atherosclerosis, Obesity, butter, lipid profile