

**EFFECT OF AQUEOUS EXTRACTS OF (*CITRUS LIMON*) SEED ON SOME
PHYSIOLOGICAL AND BIOCHEMICAL PARAMETER IN ALLOXAN INDUCED
DIABETIC MALE ALBINO RATS**

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ABSTRACT

Diabetes Mellitus is a metabolic disorder characterized by hyperglycemia (increase amount of insulin) according to grotesque in insulin secretion, insulin action or both. Diabetes mellitus is one such disease which is causing serious trouble to human health. In addition to that, rapid increase in diabetes mellitus is becoming a serious menace to mankind in all parts of the world. The result parameters showing that there is a significantly increased ($p < 0.05$) in sugar compared to control in group while there is a significantly increased ($p < 0.05$) in cholesterol, triglyceride, LDL, AST, ALT in diabetic rats compared to control. While showing significantly decreased in HDL in diabetic when used extract of *Citrus limon* is decreased the levels of (sugar, cholesterol, triglyceride, AST, ALT) and improve the level of HDL. Because have many phytochemical such as (saponin, flavonoids, antioxidants). Also showing significantly decreased ($p < 0.05$) in WBC, RBC, Hb in Diabetes mellitus, but when use ECL that increase the amount of (WBC, RBC, Hb).

KEYWORDS: Diabetes Mellitus, ED, Amyral, Citrus Limon Seed, ECL