

Efficacy of *Pterocarpus marsupium* Linn (Padauk) on blood glucose in hyperglycaemic rats

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Abstract

Traditional herbal medicines are widely used to treat Diabetes Mellitus, yet very few have been clinically evaluated. In this laboratory based experimental study, it was examined after single oral administration of aqueous extract of bark of *Pterocarpus marsupium* at dosage of 250mg/kg, 500mg/kg and 1000mg/kg body weight, standard drug (Glibenclamide) 0.5mg/kg and distilled water 4ml/kg on rats and eight numbers of rats on each test group. According to the results, the mean blood sugar levels of all test groups had no hypoglycaemic activity against the hyperglycaemic response to adrenaline. There was no significant reduction of fasting blood sugar levels of all test groups compared with control group in this current study ($p > 0.05$).