

## **INFLUENCE OF INFUSA MANGOSTEEN PEEL (*Gracinia mangostana L*) FOR BLOOD GLUCOSE LEVELS OF HYPERGLYCEMIC RATS**

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### **ABSTRACT**

The purpose of this research was to study the influence of infusa mangosteen peel (*Gracinia mangostana L*) on blood glucose level of hyperglycemic rats (*Rattus norvegicus*). The research used twenty seven male rats with two month ages randomized into nine groups of treatment (P0, P1, P2, P3, P4, P5, P6, P7, P8). P0 was the control treatment, P1; P2; P3; P4; P5; P6 were the group that treatment of infusa mangosteen peel in concentration 50%, 25%, 12,5%, 6,25%, 3,125%, 1,5625% of infusa mangosteen peel, P7 was group with glibenclamide and P8 was group negative control. The result of this research all concentration infusa mangosteen peel can make the glucose blood become lower of hyperglycemic rats. 1,5625% concentration infusa mangosteen peel can make the blood glucose become lower although not as big as blood glucose level on concentration infusa mangosteen peel 50% and 25%.

Keyword : hyperglycemia, mangosteen peel, antioxidants, oxidative stress