ABSTRACT

INFLUENCE OF GIVING ETHANOL EXTRACT OF MANGOSTEEN PEEL (Garcinia mangostana Linn.) TO UREA AND CREATINE IN WHITE MALE RAT (Rattus novergicus) STRAIN SPRAGUE DAWLEY INDUCED RIFAMPICIN

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Mangosteen peel (Garcinia mangostana Linn.) have antioxidant properties contained in xanthone compound is a derivative of polyphenols. To prove this, it will do research on the effect of extracts of mangosteen peel (Garcinia mangostana Linn.) against urea creatinine levels of white male rats induced rifampicin. Rifampicin doses 100mg/100gBB white rats as inducers can affect the occurrence of nephrotoxic. This research is an real experimental by post only control group design with sample of 25 rats strain Sprague dawley divided into 5 groups. The results showed significant yield differences with ethanol extract of mangosteen rind to urea (p <0.05) in K1−K2, K1−K3, K2−K3, K2−K4, K2−K5 and creatinin K1−K2, K1−K3, K1−K4, K2−K3, K2−K4, K2−K5, K3−K2, K3−K5, K4−K5. Conclusion: mangosteen peel extract prevents kidney damage white male rats Spargue Dawley strain induced by rifampicin decreased levels of urea and creatinine.

Keywords : Creatinin, mangosteen peel, rifampicin, urea.