

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.