

## ABSTRAK

Telah dilakukan penelitian mengenai uji toksisitas sub akut fraksi etil asetat kulit buah asam kandis (*Garcinia cowa Roxb.*) terhadap mencit putih jantan. Parameter yang diamati adalah kadar SGPT dan rasio berat organ hati untuk evaluasi fungsi hati, serta kadar kreatinin serum dan rasio berat organ ginjal untuk evaluasi fungsi ginjal. Sampel diberikan secara oral dengan dosis 500, 1000 dan 2000 mg/kgBB selama 21 hari. Pengamatan dilakukan pada hari ke-8, 15 dan 22 menggunakan serum darah, organ hati dan ginjal hewan uji. Data dianalisa dengan ANOVA dua arah dan dilanjutkan dengan uji lanjut jarak berganda Duncan's Multiple Range Test. Hasil penelitian menunjukkan bahwa fraksi etil asetat kulit buah asam kandis pada dosis 500, 1000 dan 2000 mg/kgBB member pengaruh yang bermakna terhadap kenaikan kadar SGPT dan penurunan kadar kreatinin serum ( $p < 0,05$ ). Lama pemberian fraksi etil asetat kulit buah asam kandis memberikan pengaruh yang bermakna terhadap penurunan kadar kreatinin serum, rasio berat organ hati dan ginjal ( $p < 0,05$ ).



## ABSTRACT

The sub-acute toxicity evaluation of ethyl acetate fraction rinds of asam kandis *Garcinia cowa* Roxb. was studied in white male mice. Measured parameters were ALT levels, weight ratio of liver for the evaluation of liver function and also serum creatinine levels, weight ratio of kidney for the evaluation of renal function. Extract was given orally at dose 500, 1000 and 2000 mg/kgBW for 21 days. Observations were done on days 8<sup>th</sup>, 15<sup>th</sup> and 22<sup>th</sup> using blood serum, liver and kidneys of animals test. Data were analyzed by using two-way ANOVA followed by Duncan's Multiple Range Test. The results showed that the ethyl acetate fraction *Garcinia cowa* Roxb. at doses 500, 1000 and 2000 mg/kgBW gave significant effect on increasing ALT levels and decreasing levels of serum creatinine ( $p < 0.05$ ). The length of treatment with ethyl acetate fraction *Garcinia cowa* Roxb. gave significant effect on decreasing levels of serum creatinine, weight ratio of liver and kidney ( $p < 0.05$ ).

