

INTISARI

Telah dilakukan penelitian tentang pengaruh ekstrak etanol daging buah makuto dewo (*Phaleria macrocarpa* (Scheff.) Boerl.) terhadap kadar asam urat serum darah ayam yang diinduksi dengan pakan kaya purin. Penelitian ini bertujuan untuk mengetahui pengaruh penurunan kadar asam urat dalam serum darah ayam serta dosis efektif tengahnya (ED_{50}).

Penelitian ini tergolong penelitian eksperimental murni dengan rancangan acak lengkap pola satu arah. Hewan uji ayam betina dibagi dalam 8 kelompok, masing-masing 5 ekor. Kelompok I (Kontrol positif) diberi allopurinol dengan dosis 10 mg/kgBB secara peroral. Kelompok II dan III (Kontrol negatif) diberi aguadest, kelompok IV diberi ekstrak etanol daging buah makuto dewo dengan dosis tertinggi, masing-masing hewan uji untuk kelompok III dan IV tidak diinduksi dengan pakan kaya purin. Kelompok V, VI, VII dan VIII merupakan kelompok perlakuan yang diberi ekstrak etanol daging buah makuto dewo dengan dosis 1, 2, 4 dan 8 g/kgBB secara oral. Selanjutnya kelompok I-VIII diambil serum darahnya dengan rentang waktu jam ke-0,2,4,6,24 melalui vena sayap. Kadar asam urat dianalisis menggunakan metode *split-plot* dilanjutkan dengan uji tukey dengan taraf kepercayaan 95%. Dosis efektif tengah (ED_{50}) dihitung dengan cara persen penurunan LDDK terhadap kontrol negatif semu mengikuti tata cara analisis probit.

Hasil penelitian menunjukkan bahwa ekstrak etanol daging buah makuto dewo dosis 1, 2, 4 dan 8 g/kgBB dapat menurunkan kadar asam urat sebesar 7,09%; 40,34%; 25,77% dan 32,21% .

Kata kunci : makuto dewo, kadar asam urat, ekstrak etanol

ABSTRACT

The research about antihyperuricemia effect of ethanol extract of makuto dewo (*Phaleria macrocarpa* (Scheff.) Boerl.) fruit flesh on uric acid rate in female cock blood induced by high purin meal's had been conducted. The research's aimed to know the antihyperuricemia effect of ethanol extract of makuto dewo fruit flesh and it's median effective dose.

The research is pure experimental with completely randomized design one direction. The subject test were divided randomly into eight group, five female cock each. Group I as positif control were given allopurinol 10 mg/kgBW, group II and III as negative control were given aquadest 13,3 ml/kgBW. Group IV as were given extract ethanol of makuto dewo fruit flesh with highest dose, but Group II and IV were not induced with high purin meal's. Group V, VI, VII, and VIII as treatment group were given extract ethanol of makuto dewo fruit flesh with doses : 1 g/kgBW, 2 g/kgBW, 4 g/kgBW, and 8 g/kgBW orally. The blood were taken from group I-VIII on 0, 2, 4, 6, 24 hour. The uric acid rate in the blood were analyze with *split-plot* method and post hoc tukey test at significance level 95%. The median effective dose are count according to probit method.

The result showed that extract ethanol of makuto dewo fruit flesh doses 1 g/kgBW, 2 g/kgBW, 4g/kgBW, and 8 g/kgBW were able to drowned the uric acid rate for 7,09%, 40,34%, 25.77%, and 32,21%

Key words : makuto dewo, uric acid rate, ethanol extract