

**UJI AKTIVITAS ANTIHIPERURISEMIA EKSTRAK ETANOL BUAH
PARE (*Momordica charantia* L.) TERHADAP MENCIT JANTAN GALUR
SWISS WEBSTER YANG DIINDUKSI KALIUM OKSONAT**

ABSTRAK

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Buah pare (*Momordica charantia* L.) adalah salah satu tanaman yang memiliki kandungan flavonoid. Flavonoid merupakan senyawa kimia yang diketahui memiliki aktivitas antihiperurisemia. Penelitian ini dilakukan untuk mengetahui pengaruh pemberian ekstrak buah pare terhadap penurunan kadar asam urat mencit jantan galur Swiss Webster yang diinduksi kalium oksonat dosis 10,5 mg/20 g BB. Sebanyak 30 ekor mencit dibagi secara acak menjadi 6 kelompok. Kelompok I sebagai kontrol negatif, kelompok II sebagai kontrol positif, kelompok III sebagai pembanding yang diberi allopurinol dosis 0,26 mg/20 g BB, kelompok IV, V dan VI merupakan kelompok variasi dosis yang diberi ekstrak buah pare dosis I 6 mg/20 g BB, dosis II 12 mg/20 g BB dan dosis III 24 mg/20 g BB. Semua sediaan diberikan selama 8 hari. Kadar asam urat diukur dengan menggunakan *Blood Uric Acid Meter*. Pengukuran kadar asam urat dilakukan pada saat sebelum perlakuan, sebelum induksi, setelah induksi dan setelah diberi sediaan pada hari ke-8. Hasil penelitian menunjukkan bahwa ekstrak etanol buah pare dosis 12 mg/20 g bb dan dosis 24 mg/20 g bb dapat menurunkan kadar asam urat secara bermakna dibandingkan kontrol positif dengan nilai signifikansi <0,05. Dosis efektif ekstrak etanol buah pare yang dapat menurunkan kadar asam urat yaitu dosis 12 mg/20 g bb dengan persentase penurunan kadar asam urat sebesar 20,88%.

Kata kunci: *Momordica charantia* L., antihiperurisemia, asam urat

**ANTIHYPERURICEMIC ACTIVITY OF ETHANOL EXTRACT OF
BALSAM PEAR (*Momordica charantia* L.) IN SWISS WEBSTER MALE
MICE INDUCED BY POTASSIUM OXONATE**

ABSTRACT

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Balsam pear (*Momordica charantia* L.) is one of plants that contains flavonoid compound. Flavonoid is a chemical compound that has been proven having the activity of antihyperuricemic. This research was conducted to examine the activity of balsam pear extract to the descent of uric acid level of white male Swiss Webster mice which had been induced by potassium oxonate 10,5 mg/20 g of body weight. Thirty mice were randomly divided into 6 groups. Group I was a negative control while the second group was a positive control. Group III was the comparison group given allopurinol dose 0,26 mg/20 g of body weight. Group IV, V and VI were the group given varied doses of balsam pear extract. Dose I was 6 mg/20 g of body weight while dose II was 12 mg/20 g of body weight. Dose III was 24 mg/20 g of body weight. All of test metter given in 8 days. Uric acid levels was measured by using *Blood Uric Acid Meter*. The measuring of uric acid levels were done before being given the treatment, before induction, after induction, and after being given the test matter in day 8. The result of this research showed that ethanol extract of balsam pear dose 12 mg/20 g bb and dose 24 mg/20 g bb can be reduce the levels of uric acid significant compared to negative control with significanton $<0,05$. The dose effectively of ethanol extract of balsam pear has can be reduce the levels of uric acid is dose 12 mg/20 g bb with percent of reduction the levels of uric acid 20,88%.

Keywords: *Momordica charantia* L., antihyperuricemic, uric acid