

## ABSTRAK

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Program Studi : Farmasi

Judul : Uji Efektifitas Antipiretik Kombinasi Ekstrak Daun Pare (*Momordica charantia* L.) Dan Ekstrak Daun Pepaya (*Carica papaya* L.) Pada Mencit jantan

Daun pepaya (*Carica papaya* L.) dan daun pare (*Momordica charantia* L.) memiliki kandungan senyawa kimia diantaranya senyawa alkaloid, flavonoid, saponin, tanin yang diduga berpotensi sebagai antipiretik. Penelitian ini bertujuan untuk mengetahui efektivitas antipiretik kombinasi ekstrak daun pepaya dan daun pare. Sebanyak 15 ekor mencit (*Mus musculus*) jantan galur ddY yang sehat berumur 2-3 bulan dengan BB 20-30 gram. Diberi perlakuan 5kelompok dengan dosis (100:100)mg/kgBB, (50:150)mg/kgBB, (150:50)mg/kgBB, kontrol positif ibupofen 400mg dan kontrol negatif CMC-Na 1% diinduksi demam menggunakan vaksin DPT volume pemberian 0,1 cc (i.p) dan dilakukan 3 pengulangan. Pengamatan dilakukan dengan mengukur suhu rektal mencit menggunakan termometer digital sebelum injeksi vaksin DPT atau suhu normal, menit ke- 0 (setelah injeksi vaksin DPT), 30, 60, 90,dan 120 menit setelah pemberian bahan uji. Hasil penelitian menunjukkan bahwa pemberian ekstrak kombinasi daun pepaya dan daun pare mampu menurunkan suhu tubuh mencit. Dosis (150:50) mg/kg BB memberikan penurunan terbaik dalam menurunkan suhu tubuh mencit namun tidak berbeda signifikan dengan ibuprofen.

Kata Kunci :

Antipiretik, Ekstrak Daun Pepaya(*Carica papaya* L.), Ekstrak Daun Pare (*Momordica charantia* L.), Mencit Jantan (*Mus musculus*)

## ABSTRACT

Name : Muhammad Furqan

Study Program : Farmasi

Titel : Antipyretic Effectiveness Test of Combination of Bitter Gourd Leaf Extract (*Momordica Charantia* L.) and Papaya Leaf Extract (*Carica Papaya* L.) in Male Mice

Papaya leaves (*Carica papaya* L.) and bitter melon leaves (*Momordica charantia* L.) contain chemical compounds including alkaloids, flavonoids, saponins, and tannins which are thought to have potential antipyretics. This study aims to determine the antipyretic effectiveness combination from of papaya and bitter melon leaf extracts. A total of 15 healthy ddY male mice (*Mus musculus*) aged 2-3 months with a body weight of 20-30 grams. The treatment consisted of 5 groups with doses of (100:100) mg/kg, (50:150) mg/kg, (150:50) mg/kg, positive control of 400 mg of ibuprofen and negative control of 1% CMC-Na in induced fever. using the DPT vaccine administration volume of 0.1 ccs (i.p) and performed 3 repetitions. Observations were made by measuring the rectal temperature of the mice using a digital thermometer before injection of the DPT vaccine or normal temperature, 0 minutes (after injection of DPT vaccine), 30, 60, 90, and 120 minutes after administration of the test material. The results showed that the administration of a combination of papaya leaf and bitter melon leaf extract is able to reduce the body temperature of mice. Dosage (150:50) mg/kg BW provided the best decrease in lowering the body temperature of mice but was not significantly different from ibuprofen

Keyword:

Antipyretics, Papaya Leaf Extract (*Carica papaya* L.), Bitter Gourd Leaf Extract (*Momordica charantia* L.), Male Mice (*Mus musculus*)