**UJI EFEKTIVITAS ANTIPIRETIK EKSTRAK ETANOL DAUN GANDARUSA (*Justicia gendarussa* Burm. F) PADA TIKUS PUTIH JANTAN *(Rattus norvegicus*)**

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**ABSTRAK**

Tumbuhan gandarusa (*Justicia gendarusa* Burm. F ) merupakan tumbuhan dari family Acanthaceae. Daun gandarusa memiliki kandungan flavonoid sehingga diduga memiliki potensi sebagai agen antipiretik. Tujuan penelitian ini adalah untuk menguji efek antipiretik ekstrak daun gandarusa (*Justicia gendarussa* Burm. F) terhadap tikus putih jantan yang diinduksi *vaksin DPT-HB-HIB.*

 Metode penelitian ini adalah eksperimental. Proses ekstraksi dilakukan secara maserasi. Hewan uji yang digunakan 25 ekor dan dibagi menjadi 5 kelompok, yaitu kelompok 1 yaitu kontrol negative CMC 0,5%, kelompok 2 kontrol positif parasetamol 0,5%, kelompok 3, 4 dan 5 diberi ekstrak etanol daun gandarusa (EEDG) dosis 50 mg/kgBB, 100 mg/kgBB dan 200 mg/kgBB. Pengamatan dilakukan dengan mengukur suhu tubuh tikus jantan dengan selang waktu 30 menit selama 3 jam, kemudian dilakukan analisis statistik dengan uji One Way ANOVA menggunakan *Statistical Program Service Solution* (SPSS) dilanjutkan dengan uji Ducan.

 Hasil uji One Way ANOVA pada menit 30 sampai 180 nilai signifikansi p<0,05 menunjukkan ada perbedaan signifikan antar perlakuan. Hasil uji *Duncan* menunjukkan tidak terdapat perbedaan yang signifikan anatara parasetamol dengan dosis 200 mg/kgBB. Hasil dapat disimpulkan bahwa ekstrak etanol daun gandarusa mempunyai aktivitas sebagai antipiretik.

**Kata Kunci:** *antipiretik, daun, gandarusa, ekstrak.*

***ANTIPYRETIC TEST OF GANDARUSA LEAVES ETHANOL EXTRACT (Justicia gendarussa* Burm. F *) IN WHITE***

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***ABSTRACT***

*Willow (Justicia gendarusa Burm. F ) is a plant from the Acanthaceae family. Willow is leaves contains flavonoids that it is thought have potential as an antipyretic agent. The purpose of this study was to examine the antipyretic effect of gandarusa leaf extract (Justicia gendarussa Burm. F ) in male white rats induced by DPT-HB-HIB vaccine.*

 *The methodology of this research was experimental. Extraktion process was carried out by maceration. The test animals used 25 animals and divided into 5 groups, namely group 1, as negative control (CMC 0.5%), group 2 as positive control 0.5% paracetamol, groups 3, 4 and 5 were given ethanol extract of gandarusa leaves (EEDG) dose 50 mg / kg, 100 mg / kg and 200 mg / kgBW. Observations were made by measuring the body temperature of male rats with an interval 30 minutes for 3 hours, then statistical analysis was carried out using the One Way ANOVA test from Statistical Program Service Solution (SPSS) followed by the Ducan test.*

 *The results of the One Way ANOVA test at 30 to 180 minutes, the significance value of p <0.05 indicates that there were significant differences between treatments. The results of Duncan's test showed that there was no significant difference between paracetamol with a dose 200 mg / kgBW. The of extract, results can be concluded that ethanol extract of gandarusa leaves has activity as antipiretik.*

***Keywords:*** *antipyretic, leaf, gandarusa, extrakt.*