**UJI EFEK ANTIPIRETIK EKSTRAK DAUN KOPI**

**ROBUSTA (*Coffea canephora*) PADA MERPATI**

**JANTAN (*Columbia livia*)**

**PUTRI RISKYANA POHAN**

**NPM. 162114001**

**ABSTRAK**

Daun kopi robusta (*Coffea canephora*) merupakan famili *Rubiaceae* yang biasanya dimanfaatkan untuk minuman. Daun kopi robusta (*Coffea canephora*) mengandung senyawa flavonoid sehingga diduga memiliki potensi sebagai agen antipiretik. Tujuan dari penelitian ini adalah untuk menguji efek antipiretik dari ekstrak daun kopi robusta (*Coffea canephora*) pada merpati jantan.Penelitian ini merupakan penelitian eksperimental. Penelitian ini menggunakan merpati jantan sebanyak 25 ekor yang dibagi kedalam 5 kelompok secara acak. Kelompok 1 kontrol negatif CMC 0,5%, kelompok 2 kontrol positif Parasetamol 1%, kelompok 3 diberi ekstrak daun kopi robusta (*Coffea canephora*) dosis 13,5 mg/kgBB, kelompok ke 4 dosis 30,6 mg/kgBB, kelompok 5 dosis 61,2 mg/kgBB. Diinduksi dengan vaksin DPT HB Hib 0,3 ml, Pengamatan dilakukan dengan mengukur suhu tubuh merpati jantan dengan selang waktu 30 menit selama 6 jam, lalu dihitung efektivitas. Kemudian dilakukan analisis statistik dengan uji One Way Anova menggunakan *Statistical Package For The Social Sciences* (SPSS) ver.20, dilanjutkan dengan uji *Tukey*. Hasil uji One Way ANAVA menunjukkan nilai 0,132 pada menit 30 yang menunjukkan bahwakelompok kontrol negatif, kontrol positif, kelompok EDKR dosis 13,5 mg/kgBB, 30,6 mg/kgBB dan 61,2 mg/kgBB tidak berbeda signifikan setiap kelompok perlakuan, sedangkan pada menit yang lain berbeda signifikan, Hasil penelitian dapat disimpulkan bahwa ekstrak daun kopi robusta dapat menurunkan suhu demam merpati jantan.

**Kata Kunci**: *antipiretik, daun kopi robusta*(*Coffea canephora*)*, DPT-HB Hib, merpati jantan, suhu*.

**ANTIPIRETIC EFFECT OF COFFEE LEAF EXTRACT  
ROBUSTA (*Coffeacanephora*) ON MERPATI  
JANTAN (*Columbia livia*)**

**PUTRI RISKYANA POHAN**

**NPM. 162114001**

**ABSTRACT**

Robusta coffee leaf (*Coffeacanephora*) is a family of Rubiaceae which is usually used for drinks. Robusta coffee leaves (*Coffeacanephora*) contain flavonoid compounds so it is suspected to have potential as an antipyretic agent. The purpose of this study was to examine the antipyretic effect of Robusta (*Coffeacanephora*) leaf extracts on male pigeons. This research is an experimental research. This study used 25 male pigeons which were divided into 5 groups randomly. Group 1 negative control CMC 0.5%, group 2 positive control Paracetamol 1%, group 3 were given robusta coffee leaf extract (Coffeacanephora) dose 13.5 mg / kgBB, group 4 dose 30.6 mg / kgBB, group 5 dose of 61.2 mg / kg body weight. Induced by DPT HB Hib 0.3 ml vaccine, observations were made by measuring the body temperature of male pigeons with an interval of 30 minutes for 6 hours, then the effectiveness was calculated. Then performed a statistical analysis with the One Way Anova test using Statistical Package for the Social Sciences (SPSS) ver.20, followed by the Tukey test. One Way ANAVA test results showed a value of 0.132 at 30 minutes which showed that the negative control group, positive control group, EDKR group dose 13.5 mg / kgBW, 30.6 mg / kgBW and 61.2 mg / kgBW did not differ significantly between treatment groups. , while the other minutes were significantly different, the results of the study concluded that Robusta coffee leaf extract could reduce the temperature of male dove fever.

Keywords: antipyretic, robusta coffee leaf (*Coffeacanephora*), DPT-HB Hib, male dove, temperature.