**UJI EFEK ANALGETIK EKSTRAK DAUN KOPI ROBUSTA**

**(*Coffea canephora)* PADA MENCIT PUTIH JANTAN**

**(*Musmusculus*L*.)***

**NURLAILY HANUM NASUTION**

**NPM.162114061**

# ABSTRAK

Daun kopi robusta (*Coffeacanephora*) merupakanfamili*Rubiaceae*yang biasanyadimanfaatkanuntukminuman. Daun kopi robustamengandungsenyawa flavonoid sehinggadidugamemilikipotensisebagaiagenanalgetik.Tujuandaripenelitianiniadalahuntukmengujiefekanalgetikdariekstrakdaun kopi robustapadamencitputihjantan.Penelitian ini merupakan penelitian eksperimental.Penelitian menggunakan mencit sebanyak 25 ekor dibagi dalam 5 kelompok. Kelompok 1 kontrol negatif CMC 0,5%, kelompok 2kontrol positif metampiron 1%, kelompok 3, 4 dan 5 diberi EDKR dosis 30, 60 dan120 mg/kgBB. Pengamatandilakukandenganmelihatjumlahgeliatmencit yang diinduksiasamasetat 0,5% selangwaktu 5 menitselama 1 jam. Kemudiandilakukan analisis statistik dengan *One Way* ANOVA menggunakan *Statistical Package for the Social Sciences* (SPSS) kemudian dilanjutkan dengan uji *Tukey*.Jumlahgeliatdiperolehmetampironmemilikipenurunanjumlahgeliat paling tinggiyaitu 63 dibandingkankelompoklainnya.Hasil uji *One Way* ANOVA diperolehnilaisignifikansi 0,000 (p<0,05) menunjukkan bahwasetiapkelompokberbeda bermakna. Hasiluji*Tukey*diperolehEDKRdosis 60 dan 120 mg/kg BB menunjukkantidakadanyaperbedaansignifikanpadamenit ke-5 sampai 25, padadosis30 dan 60 mg/kg BB menunjukkantidakadanyaperbedaansignifikanpadamenit ke-30 sampai 60, danmenit ke-40 EDKR dosis30, 60 dan 120 mg/kg BBtidakmenunjukkanperbedaansignifikansetiapdosisnya. Dari hasilpenelitiandisimpulkan EDKR dapat menurunkanjumlahgeliatpadamencit.

**Kata Kunci :** *Jumlahgeliat, ekstrak daun kopi robusta, asamasetat, analgetik, mencit.*

**ANALGETIC EFFECT TEST OF ROBUSTA COFFEE LEAF EXTRACT (*Coffeacanephora*) ON MALE WHITE MICE**

**(*Musmusculus*L*.*)**

**NURLAILY HANUM NASUTION**

**NPM.162114061**

# ABSTRACT

Robusta coffee leaf (*Coffeacanephora*) is a family of *Rubiaceae* which is usually used for drinks. Robusta coffee leaves contain flavonoid compounds so they are thought to have potential as analgesic agents. The purpose of this study was to examine the analgesic effect of Robusta coffee leaf extract on male white mice.This research is an experimental research. The study used 25 mice divided into 5 groups. Group 1 was 0.5% CMC negative control, group 2 methampirone 1% positive control, group 3, 4 and 5 were given EDKR doses of 30, 60 and 120 mg / kg BB. Observations were made by looking at the amount of stretching of mice induced by 0.5% acetic acid within 5 minutes for 1 hour. Then a statistical analysis was performed with *One Way* ANOVA using *Statistical Package for the Social Sciences* (SPSS) and then followed by the *Tukey* test.The amount of stretching obtained by methampirone had the highest decrease in amount of stretching which was 63 compared to other groups. *One Way* ANOVA test results obtained a significance value of 0,000 (p <0.05) shows thateach group is significantly different. *Tukey* test results obtained EDKR doses of 60 and 120 mg / kg BB showed no significant difference at minute 5 to 25, at doses of 30 and 60 mg / kg BB showed no significant differences at minute 30 to 60, and minutes the 40 EDKR doses of 30, 60 and 120 mg / kg BB do not show significant differences in each dose. From the results of the study concluded that EDKR can redusce the amount of stretching in mice.

**Keywords :** *The amount of stretching, robusta coffee leaf extract, acetic acid, analgesics, mice.*