**EFEKTIVITAS ANTIPIRETIK EKSTRAK ETANOL DAUN JUNG RAHAB (*Baeckea frutescens L*) PADA TIKUS PUTIH**

**JANTAN (*Rattusnorvegicus*)**

**AIDA MELLYNA SIREGAR**

**NPM.172114080**

**ABSTRAK**

Daun jung rahab (*Baeckea frutescens* L) merupakanfamili*Myrtaceaae*yang telah banyakdimanfaatkanolehmasyarakatuntukpengobatanalamidankayunya di pakaiuntukmembuatpagardanserbuk. Daunjungrahabdi pakaiuntukobatgosokpadaperut yang sakitdanjugasebagaijamu. Daunjung rahab(*Baeckea frutescens*L)yang memilikikandungankimiaseperti alkaloid, flavanoid, steroid/triterpenoid, tannin danglikosida. Kandungansenyawakimiapadatumbuhaninimengandungsenyawa flavonoid sehinggadidugamemilikipotensisebagaiagenantipiretik.Tujuandaripenelitianiniadalahuntukmengujiefekantipiretikdariekstraketanoldaunjung rahab (*Baeckea frutescens*L) padatikusputihjantan yang diinduksivaksin DPT-HB.

Penelitianinimerupakanpenelitianeksperimental.Tahapanpenelitianinimeliputipembuatanekstraketanoldaunjung rahab (*Baeckea frutescens*L*)*menggunakanmetodemaserasi, skriningfitokimia, karakterisasidanmengujiekstraketanoldaunjungrahabterhadaptikusputihjantan*(Rattusnorvegicus)* sebanyak 25 ekor yang dibagikedalam 5 kelompoksecaraacak.Kelompok 1 kontrolnegatif, kelompok 2 kontrolpositif , kelompok 3 diberiSuspensiEkstraketanoldaunjung rahab(*Baeckea frutescens*L*)*dosis 50 mg/kg BB, kelompokke 4 dosis 100 mg/kgBB, kelompok 5 dosis 200 mg/kgBB. Pengamatandilakukandenganmengukursuhutubuhtikusjantandenganselangwaktu30menitselama3 jam, laludihitungpenurunansuhutubuh. KemudiandilakukananalisisstatistikdenganujiANOVA*.*

Hasilpenelitian yang dilakukanmenunjukanbahwaekstraketanoldaunjungrahabmengandungsenyawametabolitsekundergolongan alkaloid, flavonoid, tannin, steroid/triterpenoiddanglikosida yang memilikiaktivitasantipiretik. Dari hasilpenelitianujiantipiretikmenunjukkanbahwaekstraketanoldaunjungrahabpadadosis200 mg/kgBBmemilikiefekantipiretik paling kuatdalampenurunansuhutubuhyaitusebesar 36,2.Dari hasilpenelitiandapatdisimpulkanbahwaekstraketanoldaunjungrahabdapatmenurunkansuhutubuhpadatikusputihjantan yang diinduksivaksin DPT-HB.

**Kata Kunci**: *antipiretik, daun jung rahab,DPT-HB Hib,Tikusputihjantan, suhu*.

**ANTIPYRETIC EFFECTIVENESS OF ETHANOL EXTRACT LEAVES JUNGRAHAB (*Baeckeafrutescens L***) **INMALERATS WHITE RATS**

 **(*Rattusnorvegicus*)**

**AIDA MELLYNA SIREGAR**

**NPM.172114080**

**abstract**

Jung rahableaf(*Baeckeafrutescens*L)is a family of *Myrtaceaae*that has been widely used by the community for natural medicine and wood in use to make fences and powders. Jung rahab leaves are used for rub on the stomach that hurts and also as herbal medicine. Leaf jungrahab(*Baeckeafrutescens*L) which has chemical content such asalkaloids, flavanoids, steroids / triterpenoids, tannins and glycosides. The content of chemical compounds in this plant contains flavonoid compounds so it is suspected to have the potential as an antipyretic agent. The purpose of this study was to test the antipyretic effect ofethanol extract of jungrahab leaves (*Baeckeafrutescens*L) in male white ratsinduced DPT-HB vaccine.

This research is experimental research. This stage of research includes making ethanol extract of jungrahab leaves*(Baeckeafrutescens)*using maceration method, phytochemical screening, characterization and testing ethanol extract of jungrahab leaves against male white rats *(Rattusnorvegicus)* as many as 25 heads divided into 5 groups randomly. Group 1 negative control, group 2 positive control, group 3 given Suspension Extract ethanol leaves jungrahab( *Baeckeafrutescens*L *)*dose 50 mg/kg body weight, group to 4 dose 100 mg/kgbody weight, group 5 dose 200 mg/kgbody weight. Observations were made by measuring the body temperature of male rats with an interval of 30minutes for 3 hours, then calculated a decrease in body temperature. Then conducted statistical analysis withANOVA*.*

The results showed that ethanol extract of jungrahab leaves contains secondary metabolite compounds of alkaloids, flavonoids, tannins, steroids/triterpenoids and glycosides that have antipyretic activity. From the results of antipyretic test research shows that ethanol extract of jungrahab leaves at a dose of 200 mg / kgbody weight has the strongest antipyretic effect in the decrease in body temperature of 36.2. From the results of the study can be concluded that ethanol extract of jungrahab leaves can lower body temperature in male white rats induced DPT-HB vaccine.

**Keywords:**:*,*antipyretic, jungrahab leaf, DPT-HB Hib, Male white rat, temperature.