

**EFEK SEDUHAN RIMPANG KUNYIT (*Curcuma domestica* Val.)  
TERHADAP AKTIVITAS MOTORIK MENCIT PUTIH JANTAN  
DENGAN ALAT *MICE HELPLESSNESS CHAMBER***

Fonny Cokro, 2010

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**ABSTRAK**

Dalam penelitian ini ingin diketahui khasiat antidepresi Rimpang Kunyit (*Curcuma domestica* Val.) pada mencit putih jantan (*Mus musculus*) dengan menggunakan alat *Mice Helplessness Chamber*. Hewan uji dibagi menjadi tiga kelompok: Kelompok Kontrol (diberi aquadest); Kelompok Pembanding (diberi Imipramin HCl 20 mg/kg BB); Kelompok Uji (diberi seduhan Rimpang Kunyit dosis 500 mg/kgBB). Perlakuan diberikan selama 14 hari, lalu efektivitas antidepresi diukur pada hari ke-5, ke-10, dan ke-14 untuk melihat profil aktivitas antidepresi. Setelah diberi perlakuan, hewan uji dibiarkan selama 30 menit, selanjutnya dimasukkan ke dalam alat *Mice Helplessness Chamber* selama 3 menit dan diukur aktivitas motorik mencit melalui perhitungan jumlah putaran roda Chamber. Dari penelitian dapat disimpulkan bahwa seduhan Rimpang Kunyit 500 mg/kgBB dengan lama pemberian 14 hari dapat meningkatkan aktivitas motorik mencit putih jantan depresi pada alat *Mice Helplessness Chamber*.

Kata Kunci: Antidepresi, Seduhan Rimpang Kunyit (*Curcuma domestica* Val.), aktivitas motorik, *Mice Helplessness Chamber*.

**THE MOTORIC ACTIVITY EFFECT OF TURMERIC (*Curcuma domestica* Val.) BREWED ON WHITE MALE MICE WITH MICE HELPLESSNESS CHAMBER DEVICE**

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**ABSTRACT**

In this research, there is curiosity about the antidepressant effect of Turmeric (*Curcuma domestica* Val.) on white male mice (*Mus musculus*) using Mice Helplessness Chamber. The test animals were divided into three groups: Control Group (given aquadest); Comparative Group (given Imipramin HCl 20 mg/kg Body Weight); Test Group (given Turmeric brewed with dose of 500 mg/kg Body Weight). The test group was given therapy for 14 days, and then the antidepressant efficacy was analyzed on the 5<sup>th</sup>, 10<sup>th</sup>, and 14<sup>th</sup> day to see the antidepressant action profile. After the therapy was given, the test animals were waited for 30 minutes before putting in the Mice Helplessness Chamber for 3 minutes, and then the motoric activity was calculated through the calculation of how many rotations of wheel. From this research, it can be concluded that Turmeric brewed with dose of 500 mg/kg Body Weight given for 14 days can increase white male mice's motoric activity significantly using Mice Helplessness Chamber.

Key Words: Antidepressant, Turmeric (*Curcuma domestica* Val.) brewed, motoric activity, Mice Helplessness Chamber.