

EFEK EKSTRAK DAUN PANDAN WANGI (*Pandanus amaryllifolius* Roxb.) TERHADAP AKTIVITAS MOTORIK MENCIT PUTIH JANTAN DENGAN *PHOTOELECTRIC CELL COUNTER* MODIFIKASI

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ABSTRAK

Penelitian ini dilakukan untuk mengetahui efektivitas ekstrak Daun Pandan Wangi (*Pandanus amaryllifolius* Roxb.) terhadap aktivitas motorik pada mencit putih jantan (*Mus musculus*) depresi dengan menggunakan alat *Photoelectric Cell Counter* Modifikasi. Dalam penelitian ini, hewan uji dibagi menjadi tiga kelompok: Kelompok Kontrol diberi *aquadem* dengan volume pemberian 0,5 ml/20 g BB per oral; Kelompok Uji diberi ekstrak Daun Pandan Wangi (*Pandanus amaryllifolius* Roxb.) dosis 2500 mg/kg BB dengan volume pemberian 0,5 ml/20 g BB per oral dan Kelompok Pembanding diberi larutan Imipramin HCl dengan dosis 20 mg/kg BB. Setelah diberi perlakuan hewan uji didiamkan selama 30 menit, kemudian dimasukkan ke dalam alat *Photoelectric Cell Counter* modifikasi selama 15 menit dan dicatat berapa banyak jumlah putaran yang didapat. Berdasarkan analisis data secara statistik dengan *One-Way Anova*, ekstrak Daun Pandan Wangi (*Pandanus amaryllifolius* Roxb.) dengan dosis 2500 mg/kg BB dapat meningkatkan aktivitas motorik pada mencit putih jantan depresi dengan menggunakan alat *Photoelectric Cell Counter* Modifikasi.

Kata Kunci: Antidepresi, Daun Pandan Wangi (*Pandanus amaryllifolius* Roxb.), *Photoelectric Cell Counter* Modifikasi.

**THE EFFECT OF EXTRACT DAUN PANDAN WANGI
(*Pandanus amaryllifolius* Roxb.) TOWARD ACTIVITY
MOTORIC MASCULIN MICE WITH TO USE APPLIANCE
PHOTOELECTRIC CELL COUNTER MODIFY**

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ABSTRACT

On this research was conducted to know antidepressant effectiveness of Pandan Wangi leaf (*Pandanus amaryllifolius* Roxb.) to masculine mice with use appliance of Photoelectric Cell Counter Modify. In this research animals were divided into 3 groups: Control Group was gave *aquadem* with volume is 0,5 ml/Kg BB orally; Test group was gave extract of Pandan Wangi leaf (*Pandanus amaryllifolius* Roxb.) 2500mg/Kg BB dosage with volume is 0,5 ml/Kg BB orally and Compare Group was gave Imipramin HCl with 20 mg/Kg BB dosage. Based on statistically data analysis with One-Way Anova method was that extract of Pandan Wangi leaf (*Pandanus amaryllifolius* Roxb) with 2500 mg/Kg BB dosage has antidepressant effect. Afterward, the test animal is put on idle for 30 minutes, then put into modified *Photoelectric Cell Counter* device for 15 minutes and noted on the achieved cycle. Extract of Pandan Wangi leaf (*Pandanus amaryllifolius* Roxb) with dosage of 2500 mg/kg Body weight can increase motoric activity to depressed white male mouse using modified *Photoelectric Cell Counter* device.

Key Word: Antidepressant, Pandan Wangi leaf (*Pandanus amaryllifolius* Roxb.), Modified *Photoelectric Cell Counter*.