

ABSTRAK

Telah dilakukan penelitian dengan menggunakan alat *Waterwheel Digital Counter* dalam pengujian ekstrak air rimpang *Acorus calamus*, L (Dringo) yang berkhasiat sebagai antidepresi. Hewan coba yang digunakan dalam penelitian ini adalah mencit putih betina fase estrus dan waktu percobaan dilakukan pada malam hari.

Dari penelitian yang telah dilakukan, maka alat *Waterwheel Digital Counter* dapat digunakan untuk pengujian aktivitas antidepresi dengan menggunakan ekstrak air rimpang *Acorus calamus*, L (Dringo) kadar 80% yang diberikan secara oral sebanyak 0,3 ml/20g BB sebagai larutan Uji pada mencit betina fase estrus yang mengalami depresi yang dicetuskan oleh alat *Waterwheel Digital Counter*. Sebagai Kontrol diberikan aquadem sebanyak 0,3 ml/20 g BB dan Pembanding digunakan Imipramin-HCl (dosis 20 mg/kg BB).

Berdasarkan hasil penelitian, alat *Waterwheel Digital Counter* dapat digunakan sebagai salah satu alat untuk uji aktivitas antidepresi.



ABSTRACT

The research, that used *Waterwheel Digital Counter* in order to examine the extract of rhizome water *Acorus calamus*, *L* (Dringo) in which its function was as anti-depressant, has been done. The tested animal used in the study was white female mouse whose phase is estrus, and this trial was done in the night.

From the study that have been done, the *Waterwheel Digital Counter* can be used to examine the activity of anti-depressant that use the extract of rhizome water *Acorus calamus*, *L* (Dringo) whose content is 80% that was given orally on 0.3 ml/20 g BB. This extract is as the liquid of experiment to white female mouse in estrus phase in which it has got a depression by *Waterwheel Digital Counter*. The aquadem of 0.3 ml/20 g BB was given as a control and Imipramin – HCl (dose in 20 mg/kg BB) was used as a standard of comparison.

Based on the study results, the *Waterwheel Digital Counter* can be used as one tool to test the activity of antidepressant.

