ABSTRAK

Pada penelitian ini digunakan alat *Tail Flick* dan alat *Tail Clip* untuk mengetahui ada atau tidaknya perbedaan respon analgesik dari kedua alat yang berbeda pada pemberian Pethidin HCL dengan dosis dan interval waktu yang sama. Pada kedua alat hanya diberi dua perlakuan yaitu kontrol dan uji menggunakan hewan coba mencit jantan. Kelompok kontrol diberi aquademineralisata dan kelompok uji diberi Pethidin HCL. Setelah mencit jantan diberi perlakuan kemudian ditempatkan di alat *Tail Flick* dan alat *Tail Clip* untuk diukur waktu timbul reaksinya bagi masing-masing kelompok. Indikasi respon analgesik ditunjukkan dari waktu pada saat timbul reaksi. Pada alat *Tail Flick* reaksinya berupa penjentikkan ekor dan pada alat *Tail Clip* berupa menggigit sumber stimulus. Data berupa waktu tersebut diolah dengan menggunakan statistik TwoWay Anova dengan derajat kemaknaan 0,05. Dari hasil penelitian yang sudah dilakukan ternyata ada perbedaan yang bermakna antara alat *Tail Flick* dan alat *Tail Clip* dimana alat *Tail Flick* mempunyai respon analgesik yang lebih baik daripada alat *Tail Clip*.

ABSTRACT

Tools of *Tail Flick* and *Tail Clip* were applied in this research simultaneously to find out analgesic responses from Pethidin HCL administration on the same doses and time intervals. Only two treatments were provided on the two tools namely control and test in which test animals of male with mice were applied. Control group was administered with aquademineralisata and test group was provided with Pethidin HCL. After male white mice were provided with a treatment and being put on the tools of *Tail Flick* and *Tail Clip* to get measured of their emerging reaction for each group. Analgesic response indication was indicated from the time of emerging reaction. On the tool of *Tail Flick*, the reaction was in the form of flicking tails and on the tool of *Tail Clip* in the form of biting stimulus resources. Data in the form of time were processed by means of statistical TWO WAY ANOVA with significance degree of 0,05. Then result comparison of analgesic capacity percentages for respective method was accomplished. From research results that have been carried out, indeed there were significant differences between tools of *Tail Flick* and *Tail Clip* in which tool of *Tail Flick* has better analgesic response than tool of *Tail Clip*.