

ABSTRACT

ANALGESIC EFFECT OF 80% ETHANOL EXTRACT OF *Marsilea crenata* Presl. LEAF WITH WRITHING METHOD

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The aim of this study was to investigate analgesic activity of the 80% ethanol extract of *M. crenata* leaf. This study used writhing method on 36 male BALB/c mice, divided into six groups. The results showed that, the four-dose extract groups showed a decrease in mean number of writhing compared to the negative control group, so it can be concluded that the four-dose extracts have an effect as analgesic. The results of the protective percentage treatment group I (2,25 mg / 20 g BW mice) and treatment group II (4.5 mg / 20 g BW mice), respectively, are 62.50% and 70%, while the percentage of treatment group III (6,75 mg / 20 g BW mice) is equal to 76.25%. The protective percentage generated by the treatment group IV (9 mg / 20 g of mice BB) that is equal to 83.75%, showed the highest percentage among the other dose group of extract.

Keywords: *Marsilea crenata* Presl., analgesic activity, writhing test.