RENOPROTECTIVE EFFECT OF *Andrographis paniculata* Ness. LEAVES EXTRACT TO KIDNEY HISTOPATHOLOGICAL IN MICE (*Mus musculus* L.) WERE INDUCED BY LEAD ACETATE ORALLY

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**ABSTRACT**

The aim this study was to know the renoprotective effect of *Andrographis paniculata* Ness leaves extract due the mice kidney histopathological old that induced by lead acetate. The research used 25 mice (*Mus musculus* L.) aged 3 months with BW 20 g. These animals were divided into five groups (K-, K+, P1, P2 and P3). K- were treated with CMC Na 1%, K+ were treated with CMC Na 1% and lead acetate 100 mg/kg BW, P1 were treated with extract 3.54 mg/20 g BW and lead acetate 100 mg/kg BW, P2 were treated with 5.46 mg/20 g BW and lead acetate 100 mg/kg BW, P3 were treated with 7.40 mg/20 g BW and lead acetate 100 mg/kg BW. The extract was given in four weeks. Interval giving of *Andrographis paniculata* Ness leaves extract with lead acetate was 1 hours, during two weeks. Histopathological observed was hydropic degeneration and necrosis renal cells were analyzed by Kruskal wallis test indicates that there are significant differences (P<0.05), the further test result by using Z test. The result showed that *Andrographis paniculata* Ness leaves extract dose of 7.40 mg/20 g BW could provided optimal renoprotective effect.

**Key words** : extract of *Andrographis paniculata* Ness leaves, lead acetate, kidney histopathology, mice