THE EFFECT OF MENIRAN (Phyllanthus niruri Linn) INFUSION ON KIDNEY HISTOPATHOLOGICAL OVERVIEW OF WHITE RATS (Rattus norvegicus) EXPOSED BY ALCOHOL

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ABSTRACT

The aim of this research was to determine the effect of meniran (Phyllanthus niruri Linn) infusion on kidney histopathological overview of white rats (Rattus norvegicus) exposed by alcohol. The treatment divided into 5 groups with K(+) (1 ml of 25% alcohol and 1.08 mg of vitamin C), K(-) (1 ml of 25% alcohol and 1 ml of aquadest), P1 (1 ml of 25% alcohol and 1 ml of infusion meniran 10%), P2 (1 ml of 25% alcohol and 1 ml of 20% infusion meniran) and P3 (1 ml of 25% alcohol and 1 ml of infusion meniran 40%). This study used five rats per group on 2-3 months of age and weight between 150-200 grams. Treatment had been held for 21 days. The results showed that 40% of meniran infusion dose treatment had the smallest damage score of histopathological overview of kidney. The conclusion of this research showed that meniran infusion can reduce and prevent the cell damage of kidney exposed by alcohol.

Key words: Meniran, Infusion, Alcohol, Kidney.