THE EFFECT OF *COSMOS CAUDATUS* LEAF ETHANOL EXTRACT ON PARACETAMOL INDUCED IN HISTOPATHOLOGIC LIVER OF *(MUS MUSCULUS)* BALB / C MALE

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ABSTRAK

This study aims to determine the effect on the prevention of liver damage by leaf extract kenikir (Cosmos caudatus) on histopathologic liver in mice *(Mus musculus)* induced paracetamol. This study used 25 mice BALB / C male age 2-3 months with an average weight of 20-25 grams, were randomly selected and inserted into 5 treatment groups K (-), K (+), P1, P2, P3. K (-) is the negative control group was given distilled water for 14 days, K (+) is the positive control group were given paracetamol on the last day of treatment (the 14th day), P1 is the treatment group were given extracts of leaves of kenikir doses of 200 mg/kg for 14 days and paracetamol on day 14, P2 is a given treatment group kenikir leaf extract doses of 400 mg/kg for 14 days and paracetamol on day 14, P3 is a given treatment group kenikir leaf extract doses of 800 mg/kg for 14 days and paracetamol on day 14. On the 15th day of experimental animals dissected and taken to the liver organ preparations made preparations histpatologis liver of mice. This study used a completely randomized design (CRD), the data obtained were processed with the Kruskal-Wallis test. If there is a real difference will be followed by Mann Whitney test. Statistical analysis using SPSS. The results showed that at a doses of 800 mg/kg may provide hepatoprotective effect against changes in liver cell degeneration and necrosis induced best compared paracetamol doses of 200 mg/kg and a dose of 400 mg/kg.

Keyword : *Paracetamol, Cosmos caudatus, hepatoprotector*