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Jurusan Farmasi FMIPA UII
Jl. Kaliurang Km. 14,4 Yogyakarta 55584
Telp. (0274) 896439 ext. 3047
Email: jif@uii.ac.id

UJI EFEK HEPATOPROTEKTIF INFUS HERBA PEGAGAN (*Centella asiatica*, (L.) Urb) PADA TIKUS PUTIH GALUR WISTAR YANG TERINDUKSI PARASETAMOL

Islamiyah Neda Rahayu, Farida Hayati

*) Jurusan Farmasi FMIPA UII

ABSTRACT

Acetaminophen is a kind of analgetic-antipyretic drug which the usage in excessive dose will cause the liver damage. Pegagan herb (*Centella asiatica*, L) is one of plant which is used to protect the liver from various damage of drug. A research to study the hepatoprotective effect of pegagan herb infusion on acetaminophen induced wistar rat has been conducted. This research was aimed to find how excellent pegagan herb protects the liver from the damages caused by acetaminophen and find the data of hepatoprotective of pegagan herb's dose effect span in infussion form through the SGPT enzym and hyspatology of liver cell analysis. This research used the completed random of unidirectional pattern method, using wistar strain white rat as the tested animals, weight $200\text{ g} \pm 10\%$, age 5-8 weeks. The way of attempt: 36 rat were divided into 6 groups were each groups had 6 rat. For the treatment, Group I was controlled by aquadest. Group II was given acetaminophen suspension dose 2,5 g/kg BB. Group III-IV was given pegagan herb infussion 0,027; 0,054; 0,0108; 0,216 g/kg BB once in a day for a week and 8 hours after that, on the seventh day was given acetaminophen suspension dose 2,5 g/kg BB. Blood taking was conducted by orbitalis sinus before th treatment, 8 hours after the seventh day treatment and 24 hours after acetaminophen was given. SGPT data was analysed by ANOVA statistical test, where if found the significant difference, it would continue by Tuckey Test with 95% as significant standar. Then continued by hyspatology test on liver cell of rat. The result of this research showed that pegagan herb infussion dose 0,027; 0,054; 0,108; 0,216 g/kg BB had a hepatoprotective effect on acetaminophen induced white rat successively 34,19%; 62,52%; 78,62%; 85,69%. And the result of qualitative analysis by histology analysis showed that pegagan herb had hepatoprotective effect.

Keyword: Hepatoprotective, Pegagan Herb, Acetaminophen