



**The Hepatoprotective Effect Of Sea Cucumber
(*Holothuriascabra*) Extract Originating From Gorontalo
District Using SGOT And SGPT Parameters On Mice Induced
By Hepatotoxic Dose Of Paracetamol**

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Abstract:Sea cucumber is one of marine animals which can be consumed as a food and also as a drug. The one of sea cucumber features is it has a high ability to regenerate cells. This research aims to observe the hepatoprotective effects of sea cucumber (*Holothuriascabra*) extract on mice that had been given hepatotoxic doses of paracetamol by using certain parameters such as SGOT and SGPT. This research utilized a pure experimental design with the randomized design used control group of pretest-posttest. The research method used mice which divided into 6 treatment groups: positive control, negative control, treatment group of 1%, 1.5%, 2%, and 2.5%.

The results of this research showed that SGOT value after treatments gave a significant differences between positive and negative control (sig. 0.000), group 1% (sig. 0.000), group 1.5% (sig. 0.000), group 2% (sig. 0.000), group 2.5% (sig. 0.000) and there were no significant difference between negative control and treatment groups: group 1% (sig. 0.925), group 1.5% (sig. 1.000), group 2% (sig. 0.925) and group 2.5% (sig. 0.975). On the other hand, SGPT value after treatments stated that there were significant differences between positive and other groups: negative control group (sig. 0.000), group 1% (sig. 0.000), group 1.5% (sig. 0.000), group 2% (sig. 0.000), group 2.5% (sig. 0.000), and no significant difference between negative control group and the other groups: group 1% (sig. 0.812), group 1.5% (sig. 0.069), group 2% (sig. 0.272), and group 2.5% (sig. 0.110).

Keywords :*Holothuriascabra*, hepatoprotective, paracetamol.

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