The Histopathological Liver of White Rats (*Rattus norvegicus*) That Given Eggplant (*Solanum melongena L*) Powder After Inducted by High Fat Diet.

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ABSTRACT

The aim of this study was to determine the effect of eggplant (*Solanum melongena L*) powder on liver histopathology of white rats inducted by high fat diet. This study used 3 months old of 20 male white rats with weight of 150-200 grams. The white rats were divided into 5 treatments. K- group was the control group which was only given standard feed and ad libitum aquadest. K+ group was the control group which was only given standard feed, ad libitum aquadest, and 1 ml of high fat diet orally for 35 days. For group P1, P2, and P3 were the treatment groups which were given standard feed, ad libitum aquadest, 1 ml high fat diet orally for 35 days, and eggplant powder with each doses of 18 grams, 36 grams, and 72 grams given 1 ml orally on day 28th to 35th. On the day of 36th, euthanasia was carried out for collecting liver organ which would be used for making histopathology slides. Kruskal-Wallis would be used as the data analysis and if it showed significantly different ($p < 0.05$), it would be continued with Mann Whitney test. Results of the data analysis were the eggplant powder could affect the liver histopathology view of white rats inducted by high-fat diet.

Keyword: eggplant, diet hipercholesterol, liver, rats.