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.