Effect of Eggplant (*Solanum melongena L.*) Powder on Histopathological Changes of Rats (*Rattus norvegicus*) Kidney with 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 histopathological changes of rats (*Rattus norvegicus*) kidney with high fat diet. This study used 3 months years old of 20 male rats with weight of 150-200 grams. The rats were divided into 5 treatments. K- group was the control group which was not given treatment. K+ group was the control group which was only given 1 ml of hipercolesterol feed orally for 35 days. For group P1, P2, and P3 were the treatment groups which were given 1 ml hipercolesterol feed 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 kidney organ which would be used for making histopathology slides. Was performed with the Statistic for Windows 20 program, 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 (*Solanum melongena L.*) powder could affect the histopathological changes of rats (*Rattus norvegicus*) kidney with high fat diet.

**Keyword:** eggplant, hipercolesterol, kidney, rats.