ABSTRACT

The purpose of this study was to describe histopathological changes of mice (Mus musculus) seminiferous tubules infected by Brucella suis. Twenty four mice were divided into six treatment groups which each group consists of four mice, P0 as control was given distilled water sub cutan, meanwhile P1, P2, P3, P4, and P5 were infected with Brucella suis 1x10^5 cells/ml, and then sacrificed at different weeks as fourth, fifth, sixth, seventh, and eight weeks respectively. The data of histopathological changes of seminiferous tubules was examine with Jhonen’s score model. Then, the data analyzed using Kruskall-Wallis test and continued by Mann-Whitney test. The result of this study showed there was significant (p˂0,05) different between treatment groups which is the score of seminiferous tubules at eight weeks was the worst.
Keyword: Brucella suis, mice, seminiferous tubules.