

**HISTOPATHOLOGICAL CHANGES of MICE (*Mus musculus*)
SEMINIFEROUS TUBULES by INFECTED *Brucella suis***

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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* 1×10^5 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 *Jhonsen'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.