

**HISTOPATHOLOGICAL CHANGES of MICE (*Mus musculus*) TESTES
by INFECTED *Toxoplasma gondii* TACHYZOITE ORALLY**

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ABSTRACT

The purpose of this study was to describe the result of testicular histopathology and the decreasing of spermatogonia, primary spermatocytes, sekunder spermatocytes, spermatids and spermatozoa cells in seminiferous tubules of mice that was orally infected by tachyzoite stage of *T.gondii*. This study used 20 mice that was divided into four treatment groups which each group consists of five mice, P0 was given a of distilled water orally, P1 was infected by 10^3 tachyzoite of *T. gondii*, P2 and P3 were infected by 10^4 and 10^5 tachyzoite of *T. gondii* orally. A testis retrieval had been conducted four days after infection on all groups and then continued with histopathology overview of the testis. The data was analyzed using the method of *analysis of variance* (ANOVA) and continued by Duncan's Multiple Range test. The result of this study showed the presence of congestion and the decreasing amount of spermatogonia, primary spermatocytes, spermatids and spermatozoa cells in the seminiferous tubules of the testes of mice.

Keyword: tachyzoite, *toxoplasma gondii*, orally, spermatogonia, primary spermatocytes, sekunder spermatocytes, spermatids and spermatozoa cells.