HISTOPATHOLOGICAL CHANGES OF INTERSTITIAL TISSUE OF RATS (*Rattus norvegicus*) TESTIS EXPOSED WITH BORAX (Na$_2$B$_4$O$_7$.10H$_2$O)

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**ABSTRACT**

The aim of this study was to evaluate the histopathological of testis interstitial tissue due to treatment of borax for 14 days. Twenty male rats (*Rattus norvegicus*) aged 2 months with body weight 100 gram were used in this study. The rats were divided into four groups (P0, P1, P2, and P3). P0 was the control group which treated by sterile aquadest 0, 5 ml/rats/day (without borax), P1 group was treated 19 mg borax/rats/day, P2 group was treated 26 mg borax/rats/day, P3 group was treated with 37 mg borax/rats/day. The data were analyzed by using ANOVA test and Duncan test. The result of this study showed that the number of Leydig cell decreased, necrosis cell Leydig increased and there was hemodynamic disorder (congesti and oedema) at wistar rat testis interstitial tissue.

**Key Word:** *Rattus norvegicus*, Boraks, Interstitial Tissue, Leydig Cell