

**EFFECT OF VITAMIN C AND VITAMIN E AS PREVENTION TO  
NUMBER OF SPERMATOGENIC CELLS IN TESTIS OF  
MICE (*Mus musculus*) EXPOSED BORAX**

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**ABSTRACT**

The purpose of this study was to evaluate the effect of vitamin C and Vitamin E as prevention to number of spermatogenic cells in testis of mice exposed borax. The research has been done on November, 16th 2015 – December, 6th 2015 at Faculty of Veterinary Medicine, Universitas Airlangga. Twenty four male mice (*Mus musculus* strain BALB/C) with body weight 20 g were used. These animals were divided into six groups (K0, K1, K2, P1, P2, and P3). This research has been conducted for 14 days to determine the effects of vitamin C and vitamin E as preventif on testis exposed borax. The data were compared using ANOVA test and Duncan test. Statistical comparisons were performed using SPSS versi 20.0 for windows. The result of thus study showed that vitamin C and vitamin E significantly prevent the number of spermatogenic cells in testis of mice exposed borax ( $p < 0,05$ ).

**Key words** : vitamin C and vitamin E, borax, testical histopathology