

**HEPATOPROTECTIVE POTENCY OF TOMATO PASTA (*Lycopersicon
esculentum*) AGAINST HISTOPATHOLOGICAL APPEARANCE OF
MICE (*Mus musculus*) LIVER EXPOSED TO BORAX**

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ABSTRACT

The purpose of this research was to evaluate the hepatoprotective potency of tomato paste (*Lycopersicon esculentum*) against histopathological appearance of mice (*Mus musculus*) liver exposed to borax. Twenty four mice (*Mus musculus*) with 60-90 day ages and 20 g average of body weight were divided into six groups (P0, P1, P2, P3, P4, and P5). P0 was treated with sterile aquadest 0,1 ml/20g Bw/day, P1 was treated with borax 7,5 mg/20g Bw/day, P2 was treated with tomato paste 300mg/20g Bw/day, P3 was treated with tomato paste 150mg/20g Bw/day and borax 7,5 mg/20g Bw/day, P4 was treated with tomato paste 300mg/20g Bw/day and borax 7,5 mg/20g Bw/day, and P5 was treated with tomato paste 450mg/20g Bw/day and borax 7,5 mg/20g Bw/day. This research has been conducted for 14 days. The data of histopathological appearance were analyzed with *Kruskal-Wallis* and continued with *Man-Whitney*. Result showed there were significant ($p < 0.05$) different between treatment groups. This research concluded that tomato paste with dose 450mg/20g BB daily can prevent the damage of hepar that exposed to borax.

Key words : borax, hepar, tomato paste