

**THE BENEFITS OF *Moringa oleifera* Lam LEAVES EXTRACT
ADMINISTRATION AGAINST TO HISTOPHATOLOGICAL
OF MALE RAT (*Rattus norvegicus*) TESTES INDUCED
BY HIGH TEMPERATURE**

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ABSTRACT

The aim of this research was to investigate the benefits of *Moringa oleifera* Lam leaves extract administration on histopathological changes of rat (*Rattus norvegicus*) testes induced by high temperature. Twenty five male rats, 2-3 months old and 200g body weights were used. These animals were divided into five groups and each groups contains five rats. K- were treated with Na-CMC 1% 1ml, K+ were treated with Na-CMC 1ml and induced by high temperature (40⁰C for one hour), P1, P2, and P3 (100, 200, and 400 mg/kg bw *Moringa oleifera* leaves extract) were induced by high temperature (40⁰C for one hour). This research has been carried on 14 days. The data were compared using *Kruskal-Wallis* and *Mann-Whitney* test by SPSS for windows. The result showed there was significant difference ($p < 0,05$) among treatment groups. The conclusion of this research is *Moringa oleifera* leaves extract 400mg/kg bw/day could prevent the damage of histopathological changes of rat testes due to induced high temperature.

Key words : *Moringa oleifera*, testes, high temperature.