EFFECT OF EGGPANT POWDER (*Solanum melongena* L.) ON THE PROCESS OF SPERMATOCYTOGENESIS WHITE RAT (*Rattus norvecigus*) TESTIS AFTER INDUCTING OF A HIGH-FAT DIET

Caesar Rizal Kurniawan Gusti

ABSTRACT

The aims of this research was to determine effect of eggpant powder on the process of spermatocytogenesis white rat testis after inducting of a high-fat diet. This research used eggpant powder. Experiment design used was Completely Randomized Design. The result was analysed used ANOVA (Analysis of Variance) and continued with Duncan test. The quantying spermatogonium's result treatment with eggpant by doses 0,18g/200g weigh/day (P1) $56,40^{c} \pm 1,21$, eggpant by doses 0,36g/200g weight/day (P2) $60,96^{d} \pm 0,51$, and eggpant by doses 0,72g/200g weigh/day (P3) $65,04^{e} \pm 0,89$. The quantying spermatid result treatment eggpant by doses 0,18g/200g weigh/day (P1) $100,20^{c} \pm 0,54$, eggpant by doses 0,36g/200g weight/day (P2) $120,32^{d} \pm 0,41$, and eggpant by doses 0,72g/200g weigh/day (P3) $135,40^{e} \pm 0,31$, showed that the increased significant motility by spermatocytogenesis cell. And than the conclusion from this research is maximum dose who can increase spermatocytogenesis process is 0,72g/200g weight/day.

Keyword : eggpant , nasunin, spermatocytogenesis.