THE INFLUENCE SEEDS EXTRACT OF PAPAYA
(\textit{Carica papaya}) ON SPERMATOGENESIS
OF MICE (\textit{Mus musculus})

Endhah Kusumaningrum

ABSTRACT

The main purpose of this research is knowing the effect seeds extract of papaya (\textit{Carica papaya}) on spermatogenesis. Knowing the differences of seminiferus tubulus diameters, the quantity of spermatogonium and spermatosit on the treatment and control. 20 mice are male ± 3 months old. Divided into 4 groups treatment. The treatment P0 (control) was given aquadest, P1 was given seeds extract of papaya at 30 mg/kg, P2 at 100 mg/kg, and P3 at 300 mg/kg were given for 4 weeks. The mice were killed after 4 weeks treatment for histological preparation. The result of this research used Anava treatment showed the real difference on P0, P1, P2, and P3 with $F$ count > $F$ table (0.01) and followed with BNT treatment signification level 5 % showed the real difference. It’s mean that seeds extract of papaya (\textit{Carica papaya}) gave influence to the spermatogenesis, seminiferus tubulus diameters, the quantity of spermatogonium and spermatosit.

\textit{Key word}: Seeds extract of papaya, Spermatogenesis, Contraception, Mice.