TESTIS HISTOLOGICAL FIGURE OF MALE MICE (*MUS MUSCULUS*) AFTER GIVEN ROYAL JELLY

PANDU JATI PRAKOSO

ABSTRACT

The purpose of this research is to determine the effect of royal jelly on testis histological figure using 3 months old of 32 male mice (*Mus musculus*) with 30 grams of average weight.

This research uses complete randomized design which divide to four treatments with eight sequence, P_0 as control, P_1 (royal jelly 0,78 mg), P_2 (royal jelly 1,95 mg), P_3 (royal jelly 3,9 mg).

Royal jelly was given orally using modified spuit (sonde lambung) for 52 days. After the treatment time were over, mice were slaughtered using chloroform and removed its testis for histological preparation to count the spermatogenic cels (spermatogonium, spermatosit primer, spermatid) and leydig cel.

Analysis of varian use to analyses data and continued with Duncan test $\alpha<0,05$. The results of this research shows that spermatogenic cels and leydig cel of treatment mice is at an increase compare to control, while 3,9 mg are the effective dose to increase the amount of spermatogenic cels and leydig cel.