

## **EFFECT OF EQUILIBRATION TIME EXTENDER TO POST THAWING MOTILITY AND VIABILITY OF GEMBRONG GOAT'S SPERMS IN EGG YOLK SKIM THINNERS**

Brian Robby Dwi Akredianto

### **ABSTRACT**

The aims of this research was to determine effect of equilibration time extender to post thawing motility and viability of Gembrong Goat's sperms in egg yolk skim thinners. This research used Gembrong Goat's fresh semen that collected in artificial vagina and divided to three treatment. The first treatment (P1) was semen equilibration 1 hour. The second treatment (P2) was semen equilibration 1,5 hour. The Third treatment (P3) was semen equilibration 2 hour. Experiment design used was randomized complete draft. The result was analysed used ANOVA (Analysis of Variant) and continued with different test (the smallest real LSD 5%). The post thawing motility's result was (P1)  $31,67^a \pm 2,58$ , (P2)  $26,67^b \pm 2,58$ , and (P3)  $21,67^c \pm 2,58$ . The post thawing viability's result was (P1)  $52,33^a \pm 4,18$ , (P2)  $42,83^b \pm 5,60$ , and (P3)  $35,83^c \pm 4,17$ , showed that the inherent motility and viability different treatment groups significantly with the first treatment (P1) was semen equilibration 1 hour.

Keyword : gembrong goat's , equilibration, motility, viability, egg yolk skim.