MOTILITAS DAN VIABILITAS SPERMATOZOA DOMBA EKOR GEMUK PADA BERBAGAI KONSENTRASI ION PERAK (Ag+) DALAM PENGENCER KUNING TELUR SITRAT AIR KELAPA MUDA

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ABSTRACT

The successful program of artificial insemination in ram is determined the quality of sperm. The aim of this research was to find out the influence of various silver ion concentration in egg yolk citrate coconut water assortment extender in motility and viability of ram’s spermatozoa. Semen was divided into five groups of trials. Control Group (P0) using Egg Yolk Citrate Coconut Water-Antibiotic, group 1 (P1) using Egg Yolk Citrate Coconut Water-Silver Ion 1,5 ppm, group 2 (P2) using Egg Yolk Citrate Coconut Water-Silver Ion 0,75 ppm, group 3 (P3) using Egg Yolk Citrate Coconut Water-Silver Ion 0,375 ppm and group 4 (P4) using Egg Yolk Citrate Coconut Water-Silver Ion 0,1875 ppm. The results of this research showed that motility of P0, P1, P2, P3 and P4 was not significantly different (p>0,05). Viability of P0, P1, P2, P3 and P4 was not significantly different (P>0,05) until fourth day but P0 was significantly different (p>0,05) in fifth and sixth day. The conclusion of this experiment is Various Silver Ion in Egg Yolk Citrate Coconut Water assortment extender can not influence in motility of thick tail ram’s spermatozoa and can not influence in viability of ram’s spermatozoa until fourth day but different influence on fifth and sixth day.

Key word: Silver Ion, Egg Yolk, Citrate, Ram’s Spermatozoa