

VIABILITY OF SPERMATOOZA MERINO SHEEP WITH ADDITION OF VARIOUS NaCl CONCENTRATION

Habib Syaiful Arif Tuska

ABSTRACT

This research used of Merino sheep spermatozoa samples was collected in artificial vagina, then given three treatments : NaCl 0,85% (P1), NaCl 0.9% (P2) and NaCl 1% (P3). Research purposes to determine differences in Merino sheep viability of spermatozoa with the addition of various concentrations of NaCl. Examination using resistance testing and viability of spermatozoa. The design of this research used completely randomized design were analyzed by ANOVA test followed BNJ test with a significance level of 5 %. The results of this research showed that the addition to 1 (P3) were significantly different with (P2) and (P1) on the viability of spermatozoa, while in addition to the 6 showed no significant difference between treatments on the viability of spermatozoa.

Key words : Merino Sheep, Spermatozoa, NaCl, Viability.