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Comparison of Hemocytometer Thoma And Spectrophotometer Method on Sperm Concentration Examination of Merino Sheep Semen

Perbandingan Penghitungan Konsentrasi Spermatozoa Domba Merino dengan Metode Hemocytometer Thoma dan Spectrophotometer

Abstract

This research was conducted to determine differences concentration, the semen straw produced from the concentration, and research time of spermatozoa count method with hemocytometer thoma and spectrophotometer of merino sheep semen. One of microscopic examination of semen is calculating the concentration of spermatozoa. Calculating the concentration of spermatozoa is very important especially if the semen is processed into frozen semen. Both of these methods are excellent in calculating the concentration of spermatozoa. There are 10 merino sheep semen samples were calculated concentration of spermatozoa. Each sample of semen were counted directly by both methods. After concentration of spermatozoa has been counted, the amount of semen straw produced can be calculated. Statistical T-Test are use to compare the concentration, mini straw produced and research time from two methods. Result showed no significant differences in concentration and semen straw produced results from hemocytometer thoma and spectrophotometer methods, but the significant differences showed in research time from two methods.

Keyword : Sperm, Concentration, Hemocytometer, Spectrophotometer, Merino, Sheep, Frozen, Semen

Daftar Pustaka :