INFLUENCE OF SOYBEAN AS DILUTER ON THE QUALITY OF RAM SPERM

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ABSTRACT

The purpose of this research was to examine the quality of sperm diluted in egg yolk citrate and soybeans diluters. The sperm was diluted with the following diluter treatment: P0 using egg yolk citrate diluter, P1 using soybeans diluter I (50g+25ml aquadest), P2 using soybeans diluter II (50g+50ml aquadest), and P3 using soybeans diluter III (50g+75ml aquadest). Data analysis using ANOVA (Analysis of Variance) showed that the best motility was found in treatment P2 (61.07±12.84) which was significantly different from P0 (67.43±13.17). While the best viability was found in treatment group P1 (66.00±10.84) is not significantly different with P0 (68.43±9.23). From the result of this study it can be concluded that egg yolk citrate and soybeans diluters have effect on motility and viability of ram’s sperm.

Keywords: sperm, egg yolk citrate, soybean, motility, viability