THE EFFECT OF SOYA BEAN (*Glycine max*) EXTRACT IN SPERM DILUTER TO THE SPERM VIABILITY AND NECROSIS IN SAPUDI RAM

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ABSTRACT

The purpose of study was to find out the effect of different concentrations of soya bean extract in sperm diluter, stored at 5°C toward sperm viability and necrosis. The semen was divided into four groups: P0: 0.1 ml sapudi ram + 1 ml of diluent yolk citrate, P1: sapudi ram 0.1 ml + 1 ml diluent soybeans extract konsentration 5%, P2: 0.1 ml sapudi ram + 1 ml diluent soybeans extract konsentration 10%, P3: 0.1 ml sapudi ram + 1 ml diluent soybeans konsentration 15%. The result showed that the dose of soya bean extract diluter konsentration of 15% could increase the viability percentage and could decrease the necrosis percentage of sperm.

Keywords: egg yolk citrate, soya bean extract, sapudi ram, sperm quality