SEAWATER EXTRACT (NIGARIN) ADDITION IN SKIM MILK-EGG YOLK EXTENDER OF VIABILITY AND MOTILITY LIMOUSIN BULL SPERM POST THAWING’S

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ABSTRACT

This research was aimed to determine of Seawater Extract (Nigarin) adding effect on motility and viability Limousin bull sperm in post thawing examination in skim milk-egg yolk extender. This research used fresh samples of Limousin bull semen collected by using artificial vagina, then divided into 4 treatments. The control treatment (P0), Limousin bull semen with skim milk-egg yolk extender without Nigarin Seawater Extract (Nigarin) adding. The treatment groups (P1, P2, and P3), Limousin bull semen with skim milk-egg yolk extender + Seawater Extract (Nigarin) 0.109 µL, 0.426 µL and 1.09 µL, respectively. Data analyses using Analysis of Variant (ANOVA) One Way followed with Duncan to determine significant differences between treatments. Result showed that 1.09 µL Seawater Extract (Nigarin) in skim milk-egg yolk extender is the best concentration to increase motility and viability Limousin bull semen post thawing in this research.

Key Words: Limousin bull sperm, Seawater Extract (Nigarin), skim milk-egg yolk extender, Motility, Viability.