

**ADDING L-ARGININ IN SKIM MILK-EGG YOLK EXTENDER OF
VIABILITY AND MOTILITY LIMOUSIN BULL SPERM *POST THAWING'S* IN
FROZEN SEMEN**

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ABSTRACT

This research was aimed to determine of adding L-arginin in viability and motility limousin bull's sperm in post thawing examination in skim milk-egg yolk extender. This research used fresh samples of limousine bull's semen collected by using artificial vagina, then were devided into 4 treatments. The first treatment (P1) limousin bull semen with skim milk-egg yolk extender and L-arginin 0,004 M, the second treatment (P2) limousin bull semen with skim milk-egg yolk extender and L-arginin 0,005 M, the third treatment (P3) limousin bull semen with skim milk-egg yolk extender and L-arginin 0,006 M and control treatment (P0) limousin bull semen with skim milk-egg yolk extender without adding L-arginin. The experimental design that used was Complete Randomized Design (CRD). Analysis of the data using Analysis of Variant (ANOVA) One Way then proceed to the duncan to determine significant differences between treatments. Persentage viability showed significant differences between P3 to P0, P1 and P3, but P0 to P1 and P0 to P2 no real difference. Persentage motility showed significant differences between P3 to P0, P1 and P3, but between P0, P1 and P2, there no real difference. Results showed that adding L-arginin 0,006 M in skim milk-egg yolk extender as the best consentration to increase viability and motility limousin bull semen post thawing with significant ($P < 0.05$) differences when compared with the control and consentration of L-arginin 0,004 and 0,005 M

Key Words : Motility, Viability, Limousin bull sperm, L-arginin, Skim milk-egg yolk extender.