

**THE EFFECT OF ADDITION KELOR LEAF (*Moringa oleifera*)
AQUEOUS EXTRACT IN EGG YOLK SKIM MILK EXTENDER ON
POST-THAWED LIMOUSIN BULL SPERM QUALITY**

SYUHUUD ARUMBINANG WAJDI

ABSTRACT

The purpose of this research was to determine the best dosage of *Moringa oleifera* aqueous extract in egg yolk skim milk extender for post-thawed Limousin Bull sperm quality that measured by motility, viability, and the level of malondialdehyde post-thawed. The treatment was divided into five groups: egg yolk and skim milk diluter, 2,5% *moringa oleifera* aqueous extract in 4 ml egg yolk skim milk extender, egg yolk and skim milk diluter, 5% *moringa oleifera* aqueous extract in 4 ml egg yolk skim milk extender, egg yolk and skim milk diluter, 10% *moringa oleifera* aqueous extract in 4 ml egg yolk skim milk extender, egg yolk and skim milk diluter, 20% *moringa oleifera* aqueous extract in 4 ml egg yolk skim milk extender. The sperm quality was observed post-thawing. The data were analyzed by SPSS one way Analysis of Variance (ANOVA) and Duncan Test. The best sperm motility showed on P2 with $43^b \pm 5,70$, the best sperm viability showed on P3 with $58,20^b \pm 8,72$ and then the lowest level of malondialdehyde showed on P4 with $5,434^a \pm 1,034$. The conclusion of this research is addition of *Moringa oleifera* can increase quality of Limousin Sperm Post Thawed.

Key words: egg yolk skim milk, *Moringa oleifera* aqueous extract, Limousin bull and sperm post-thawed quality.