# QUALITY OF SPERMATOZOA *Post thawing* BULL *Friesian holstein* ON DIFFERENT AGE

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## ABSTRACT

The purpose of this study was to determine the quality of spermatozoa post thawing of Holstein Friesian bull at different ages. There were 3 groups of samples used in this study, namely frozen semen of fh beef aged 3 years old, 5 years old and 8 years old, each group used 9 samples in 37°C thawing for 15 seconds. The quality of spermatozoa in cattle is determined based on motility, viability and abnormality. Sampling in this study using purposive sampling. Data analysis using ANOVA method showed a significant difference ($P < 0.05$), then the results of the analysis using Duncan showed not significantly different results indicated by the average spermatozoa motility at 3 years old 55.56 ± 5.83, 5 years old 69.44 ± 6.82, and 8 years old 65 ± 9.68. Viability of spermatozoa showed an average age of 3 years old 62.78 ± 5.76, 5 years old 78.67 ± 6.67, and 8 years old 77.78 ± 7.59. Spermatozoa abnormalities showed an average of 3 years old 4.33 ± 1.96, 5 years old 5.89 ± 1.90, and 8 years old 5.33 ± 1.41.

**Keywords** **:** Bull (*Friesian holstein*), *Post thawing,* different age.