MANILA DUCK (*Cairina moschata*) SEMEN QUALITY ON VARIOUS DILUTION RATION OF YOUNG COCONUT WATER AND EGG YOLK

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ABSTRACT

The aim of this research was knew the quality of manila duck (*Cairina moschata*) semen on various dilution ration of young coconut water and egg yolk. Sampel in this research were used manila ducks (*Cairina moschata*) semen from each of first ejaculation two manila duck which 1.5 years old. Each of cement intake was divided became four treatments. A ration of first treatment (P1) was (1 : 1), a ration of second treatment (P2) was (2 : 1), a ration of third treatment (P3) was (3 : 1), a ration of fourth treatment (P4) was (4 : 1). Data were analyzed with Two Way Univariate Analysis of Variance (ANOVA) and differences between each treatments was done with Tukey HSD 5% test. The research results were showed significant differences (p<0.05) on pH semen, spermatozoon motility percentage and spermatozoon viability percentage, but there was no significant difference (p>0.05) on spermatozoon abnormality percentage between dilution ration. Tukey HSD 5% test showed that pH semen, spermatozoon motility percentage and spermatozoon viability percentage on first treatment (P1) was higher and significant different with the other treatments. The conclusions of this research were young coconut water and egg yolk were able increased semen quality until ration of (1 : 1) and consequently semen quality tend to decreased.

*Key word*: manila duck, semen, egg yolk, young coconut water.