PROFIL KECERNAAN PROTEIN DAN BIOKONVERSI PAKAN KOMPLIT
TERHADAP PROTEIN SUSU SAPI PERAH PERANAKAN FRESIAN HOLSTEIN
(PFH)

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ABSTRACT

The aim of this research was to investigate the best complete feed that has a good protein
digestibility and bioconversion of complete feed towards milk protein on Fresian
Holstein cross cow. The research was conducted on ten female Fresian Holstein cross
cow in five until twelve years old and the two until six month lactation period. Research
design was completely randomized design with five treatments and two repetitions which
was devided. Five treatment groups were P0 which controlled feed, P1; P2; P3 and P4
which complete feed which have been patent composition. The data was analyzed with
Analysis of Variant (Anova) method, and for different mean between the treatments was
tested by Duncan’s multiple range test. The software that was used to analyze the data is
windows Statistical Program of Social Science 16 (SPSS 16). The result of protein
digestibility value showed that P3 has a high protein digestibility value and P0 has a low
protein digestibility value. While, bioconversion value of complete feed toward milk
protein showed that has not different mean between the treatments.

Keyword : complete feed, protein digestibility, milk protein, bioconversion