FEED PROTEIN CONSUMPTION AND CRUDE PROTEIN DIGESTIBLE EFICIENCY OF COMPLETE FEED WITH FORMULA ADDITIVE TOWARDS TOTAL MILK PROTEIN ON DAIRY CATTLE

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ABSTRACT

The aim of this research investigated the best complete feed that has a good efficiency level of changing feed protein consumption and crude protein digestible of complete feed with formula additive towards total milk protein on dairy cattle. The research was conducted on twenty one Frisian Holstein cows in the fourth and fifth month lactation period. This research used The Completely Randomized Design with seven ratios and different replications of complete feed over feed additive. F1 is basic complete feed (grass and concentrate), F2; F3; F4; F5; F6 and F7 are basic complete feed over feed additive. The composition of feed additive had been measured for each ratio. The result, there is difference of each ratio from the efficiency level of changing feed protein consumption and crude protein digestible of complete feed with formula additive towards total milk protein. Thus all of the ratios have difference efficiency level, F2 has a high efficiency level and F5 has a low efficiency level.

Keywords: complete feed, crude protein, milk protein, efficiency