

CONVERTION AND EFFICIENCY CRUDE PROTEIN OF MANY COMPLETE FEED FORMULA TOWARDS TOTAL MILK PROTEIN ON PERANAKAN ETAWA GOAT

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ABSTRACT

The aim of this research was to study the best complete feed that has a good conversion and efficiency level of changing crude protein of formula complete feed toward total milk protein on Peranakan Etawa goat. The research was conducted on sixteen Peranakan Etawa goat in the three until six month lactation period. Design study was completely randomized design with four treatments and four replications. Four treatment groups were F1 was 14,1238% crude protein (Conventional feed), F2 was 13,3132% crude protein (Complete Feed), F3 was 14,890% crude protein (Complete Feed), and F4 was 13,5658% crude protein (Complete Feed). The data were analyzed with *Statistic Product and Service Solution* (SPSS) versi 16.0. The result showed that conversion crude protein toward total milk protein, F2 was significantly different with F1 ($P < 0,05$). Efficiency level, F2 was significantly different with F1. The best feed crude protein conversion and efficiency level to total milk protein was F2 ($P < 0,05$).

Key Words : complete feed, crude protein, milk protein, conversion, efficiency.