THE VALUE OF PROTEIN DIGESTIBILITY OF COMPLETE FEED IN *Macaca fascicularis*

Dewi Marga Ningrum

ABSTRACT

The aim of this research was to determine the digestibility value of protein complete feed in *Macaca fascicularis*. This research was conducted by providing various complete feed to experimental animals. Experimental animals used in this study were nine long-tailed macaques (*Macaca fascicularis*) female sex weighing 2-3 kg and ranged between 2-3 years old. Experimental animals were randomly divided into three groups of treatments with three replication. M0 (sweet potatoes and bananas) was a control treatment while M1 and M2 used as complete feed with different formula. Result of research showed that protein digestibility value of complete feed in *Macaca fascicularis* there were any significantly differences (p<0.05) between control feed and complete feed. The best result of protein digestibility was on complete feed was 88.60% and while complete feed M2 gave the second result with protein digestibility 84.72% and significantly different (p<0.05) with conventional feed M0 as 51.18%. Conventional feed M0 gave the lowest protein digestibility and also significantly different (p<0.05) with complete feed M1 and also significantly different (p<0.05) with complete feed M2.

**Key words:** complete feed, protein digestibility, *Macaca fascicularis*. 