EFFECT OF GIVING SIMPING SHELL (*Placuna placenta*) POWDER TO THE HEIGHT VILLI JEJUNUM HISTOLOGICAL FEATURES OF QUAILS (*Coturnix coturnix japonica*)

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ABSTRACT

The aims of this research is to know the effect of giving simping (*Placuna placenta*) to histological features of quail (*Coturnix coturnix japonica*) jejunum height villi. This study *used* 20 *quails Coturnix coturnix japonica* in 8 weeks old which randomized to four treatments of P0, P1, P2, and P3 each repeatedby 5 quails. At the end of this research, there was a change in the height of the jejunum villi in each treatment seen from 5 different field angles. Based on the results,the average height of quail (*Coturnix-coturnix japonica*) jejunum villi with the addition of simping shell powder showed that the control treatment (P0) and the addition of simping shellpowderin 2% (P1), 3% (P2) and 4% (P3) were 1669,30 µ m; 1404,87 µ m; 1685,85 µ m; dan 1662,87 µ m. Based on the result of Analysis of Variance (ANOVA) it could be seen that in the addition ofsimping shell powderin 2%, 3% and 4% showed no significant difference ($p < 0.05$) between P0, P1, P2 and P3 at each treatment.

Keywords: quail, *Placuna placenta*, calcium, vili, jejunum