EFFECT OF INCREASED DIETARY PROTEIN LEVEL ON EGG WEIGHT, HATCHABILITY AND WEIGHT OF HATCH CANARY BIRD (*Serinus canaria*)

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**ABSTRACT**

Protein is an important component of the body. Proteins are needed for growth, moulting and reproduction of a bird. The aim of research was to examine the effect of increased dietary protein level on egg weight, hatchability and weight of hatch canary bird (*Serinus canaria*). The research was conducted from October 2014 to February 2015 in Surabaya. A total of 20 female canary birds aged 1 year old were divided into four groups containing five birds. Every group was given different dietary protein level: 15.5% (Control), 18% (P1), 19% (P2) and 20% (P3) which obtained from mixture of Conditioning (commercial feed), canary seed, niger seed, rape seed and sesame seed. The egg weight were recorded at the day of canaries laying its egg, hatchability were counted from fertile egg divided by amount of egg then multiplied by 100% and weight of hatch were recorded when the cheeper aged 24 hours. The data were analyzed by ANOVA method based on Completely Randomized Design and if the result shows P<0.05 (significantly different) then followed by Tukey test. The results showed that increased dietary protein level had no significant influence to egg weight (p>0.05), hatchability (p>0.05) and weight of hatch (p>0.05) canary bird.

**Key words**: dietary protein, *Serinus canaria*, egg weight, hatchability, weight of hatch.