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Full Length Research Paper

Effect of dietary supplementation of fermented fish silage on egg production in Japanese quail (*Coturnix coromandelica*)

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Abstract

The effect of dietary supplementation of fermented fish silage on egg production in Japanese quail was investigated. Body weight gain, egg production and egg quality parameters (shape index, albumen index, yolk index, shell thickness and Hauge unit) were determined. There was no significant difference observed in the body weight gain in fermented fish silage supplemented birds as compared to that of dried fish waste and unsalted dried fish supplemented groups of birds. The total egg production and egg Internal Quality Unit (Haugh unit) of fermented fish silage fed birds was significantly higher compared to the other groups of birds. The results of the study indicate that incorporation of fermented fish waste silage in the poultry feed formulation can increase the egg production in Japanese quails.

Key word: Fermented silage, surimi, Japanese quail, egg production, egg quality fish waste.

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