BIOACTIVE PEPTIDES AS SUPPLEMENT FOR LAYING HENS DIET (PHASE II)

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by

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BIOGRAPHICAL SKETCH

The author, Meggie B. Tome, was born on May 2, 1997 in Cabanatuan City. She is the youngest of three children of Eduardo Olay Tome and Ester Bangsoy Tome.

She took her primary education in Rizal, Nueva Ecija at Learning Center by the Hillside and graduated on 2009 and then finished her secondary education in Cabanatuan City, Nueva Ecija at Honorato C. Perez Sr. Memorial Science High School in the year 2013.

She was admitted at Central Luzon State University under the Bachelor of Science in Agriculture program major in Animal Science having poultry production as her specialization. To further enhance her knowledge in the field of research, she pursued thesis as her undergraduate requirement.

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ABSTRACT

The study was conducted to determine egg production performance, egg quality and income over feed cost of layers fed diet with bioactive peptides. A total of 480 Dekalb layers (33 weeks old) were used in the study. The layers were randomly assigned to dietary groups, namely SLD-Standard Layer Diet (without bioactive peptide) and SLD+BP- Standard Layer Diet with bioactive peptide (reformulated). Each diet had 15 replications with initially 16 layers per replication.

Results revealed egg production was numerically improved with the feeding of diet with bioactive peptides in reformulated basis. A tendency for significance in feed intake and feed conversion in layers was observed, in favor of the layers fed with bioactive peptide. Moreover, preponderance of eggs bigger size was observed in layer fed diet with biopeptide. Income over feed cost was numerically higher from layers fed diet with biopeptide.

Based on the results, the use of bioactive peptides as a supplement in diet is recommended for layers whose age is 33 to 42 weeks old or layers whose in the mid part of their laying period (Phase II).

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