第 79 回応用動物科学セミナー （大学院共同セミナー）

Seminar Title: Use of multivitamin, acidifier and Azolla in the diet of broiler chickens

Presenter: Prof. Dr. Islam Md. Aminul

JSPS invited researcher, 2015, Japan

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Date: 2015 December 17 (Thursday)
Time: 16:20 – 17:20
Room: Faculty of Applied Biological Science, C301-room
Language: English only

Summary: A total of 240 day-old Cobb-500 broiler chicks were fed diets; D_1(control), D_2 (1ml multivitamin/1 liter water), D_3 (1 ml acidifier/1 liter water), D_4 (1ml multivitamin and 2 ml acidifier) having 3 replications of 20 chicks in each in the 1st experiment, and in the 2nd experiment, a total of 150 day-old Cobb-500 broiler chicks were fed diets; D_1 (control), D_2 (5% Azolla), D_3 (7% Azolla) and D_4 (1 ml multivitamin and 1 ml acidifier/1 liter water) having 3 replications of 20 chicks in each of control and 10 chicks in each of other diets for a period of 35 days to produce safe and cost effective broiler. In the 1st experiment the highest live weight and feed intake was observed in diet D_4. Considering FCR, mortality and net profit, diet D_2 was the best performer among the diets. However the diet D_4 was superior to D_1 and D_3 in terms of FCR, mortality and net profit. In the 2nd experiment, the birds in diet D_4 had the highest live weight and feed intake. However, considering FCR, mortality, production cost and net profit, D_2 was the best performer of the diets. Accordingly D_3 was superior to D_1 and D_4 for these traits. In terms of lipid profiles, D_3 had the lowest value of lipid profiles followed by D_1, D_4 and D_2, respectively in the 1st experiment. In the 2nd experiment, the lowest value of total cholesterol, TG and LDL was observed in D_2, followed by D_3, D_1 and D_4, respectively. So, 5% and 7% Azolla, and acidifier reduced lipid profiles in the blood of broiler chickens. Of the diets, 5% Azolla might be suitable for reducing lipid profiles as well as to produce safe and profitable broiler. Therefore, 5% Azolla may be used in the diet of broiler. However, more studies are needed using 5-10% Azolla in the diet of poultry for making comments to use Azolla in poultry industry.

日時：平成 27 年 12 月 17 日（木）16：20-17：20
場所：生物生産学部 C301 講義室
本セミナーは，英語で開催いたします。

※ 本セミナーは５研究科の共同セミナーです。

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