ABSTRACT

**BAGASIN, CHRISTY C. Performance of broiler chicken supplemented with
different levels of Excelsa coffee** *(coffea excelsa)* **hull.** Undergraduate Thesis. Bachelor
of Science in Agriculture major in Animal Science. Cavite State University., Indang,
Cavite. May 2017. Adviser: Dr. Magdalena N. Alcantara.

The study was conducted at the Broiler Project of the Department of Animal
Science, College of Agriculture, Food, Environment and Natural Resources, Cavite State
University, Indang, Cavite from February 20 to March 26 2017. The study aimed to
determine the following: (1) The effect of different levels of Excelsa coffee hull in the
growth and performance of broilers; (2) The levels of Excelsa coffee hull that will
produce the highest body weight; (3) The level of Excelsa coffee hull that will have the
highest return on investment. Ninety six (96) straight-run day old chicks were used in the
entire study.

Ninety-six day old broiler chicks were reared until thirty five days. The birds were
randomly divided into four treatments replicated three times. The following treatment
were tested to obtain the objectives: Treatment 0- Pure commercial feeds, Treatment I – 5
% Excelsa coffee hull and 95 % commercial feeds, Treatment II -10 % Exclesa coffee
hull and 90 % commercial feeds and Treatment III – 15 % Excelsa coffee hull and 85 %
commercial feeds.

All the data was subjected to Analysis of Variance (ANOVA) for Completely
Randomized design (CRD). Significant differences among treatments were further
analyzed using Duncan's Multiple Range Test (DMRT) (Gomez and Gomez,1984).

Significant differences (P<0.05) were noted in the body weight, feed consumption and feed conversion efficiency, all in favor of the control group. Insignificant differences (P>0.05) were noted in the dressing percentage. No mortality was recorded during the supplementation period.

Broilers without supplement had higher income and return on investment.