

PERFORMANCE OF BROILERS SUPPLEMENTED WITH TURMERIC
(*Curcuma longa*) POWDER VIA THEIR DRINKING WATER

THESIS

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**PERFORMANCE OF BROILERS SUPPLEMENTED
WITH TURMERIC (*Curcuma longa*) POWDER
VIA THEIR DRINKING WATER**

Undergraduate Thesis
Submitted to the Faculty of the
College of Agriculture, Food, Environment, and Natural Resources
Cavite State University
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In partial fulfillment
of the requirements for the degree
Bachelor of Science in Agriculture
(Major in Animal Science)



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ABSTRACT

VILLANUEVA, TYRONE M. PERFORMANCE OF BROILERS SUPPLEMENTED WITH TURMERIC (*Curcuma longa*) POWDER VIA THEIR DRINKING WATER Undergraduate Thesis. Bachelor of Science in Agriculture major in Animal Science. Cavite State University, Indang, Cavite. April 2016. Adviser: Dr. Magdalena N. Alcantara.

The study was conducted at the Broiler Project of the Department of Animal Science, Cavite State University from July to August 2015. Generally the study was conducted to determine the performance of broiler supplemented with turmeric powder via their drinking water. Specifically, it aimed to determine the best level of turmeric powder in drinking water that would give the best growth performance of broiler in terms of bodyweight, feed consumption, feed efficiency and mortality; and the best level of the supplement that would give the highest net income and return of investment.

The study revealed similar body weights, feed consumptions and feed efficiencies of the birds without supplementation and those birds given 3 ml, 6 ml and 9 ml turmeric powder in drinking water. Though similar, however, those given 3 ml supplement were on the lead in all aspects of the production like body weight, feed consumption, feed efficiency, mortality, net income and return of investment.

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An undergraduate thesis submitted to the faculty of the Department of Animal Science, College of Agriculture, Food, Environmental and Natural Resources, Cavite State University, Indang Cavite in partial of the requirements for the degree of Bachelor of Science in Agriculture with Contribution No. _____. Prepared under the supervision of Dr. Magdalena N. Alcantara.

INTRODUCTION

The main objective of raising broilers is to transform feed into meat, with quality and within the shortest possible time. Thus, nutrition plays a great role in achieving this purpose. Broiler production in the country has been very impressive specially so that many studies had been focused on its nutrition, on possible feed additives, feed and drinking supplements and even probiotics, all expressing its effect on the performance of the birds.

Now, there is a trend of using herbs and spices in animal production. Along with this, researchers found the herbs as not only growth promoters but also enhancers as they