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2003

UTILIZATION OF DRIED BAKERY PRODUCTS
AS SUPPLEMENT IN BROILER RATION

T H E S I S

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April 2003

**UTILIZATION OF DRIED-BAKERY PRODUCTS
AS SUPPLEMENT IN BROILER RATION**

Undergraduate Thesis
Submitted to the Faculty of the
Cavite State University
Indang, Cavite

In partial fulfillment of the
requirements for the degree of
Bachelor of Science in Agriculture
(Major in Animal Science)



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*Utilization of dried bakery products as
supplement in broiler ration
636.513 D38 2003
T-2489*

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April 2003

ABSTRACT

DE LUNAS, PABLO, JR. R. Utilization of Dried-Bakery Products as Supplement in Broiler Ration. Undergraduate Thesis. Bachelor of Science in Agriculture major in Animal Science (Animal Nutrition). Cavite State University, Indang, Cavite. April 2003. Adviser: Prof. Eraño C. Esguerra.

A study was conducted at the experimental area of the Animal Broiler Project of the Office of the Business Affairs (OBA) from November 2002 to December 2002 to: determine the effect of dried-bakery products in terms of growth rate, feed consumption and feed conversion efficiency of broiler; determine the optimum level of dried-bakery products for broiler ration; and determine the economics of incorporating dried-bakery products to commercial feeds.

Four treatment groups with a total of 100 day old chicks were used with different level of supplementation as follows: Treatment I (pure commercial feeds), Treatment II (90% commercial feeds + 10% dried-bakery products), Treatment III (85% commercial feeds + 15% dried-bakery products); and Treatment IV (80% commercial feeds + 20% dried-bakery products).

The results were insignificantly different ($P>0.05$) in final weight, final gain in weight and feed conversion efficiency of the broiler chicken. Although feed consumption were significantly different ($P<0.01$), birds with 20% dried-bakery products had a much higher feed consumption over the other groups.

Mortality rate was very low and occurred only in Treatment IV-replication 2, at the second week of age of rearing period.

Treatment IV was more profitable than the other treatment groups.

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UTILIZATION OF DRIED-BAKERY PRODUCTS AS SUPPLEMENT IN BROILER RATION ^{1/}

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^{1/} A thesis manuscript presented to the faculty of Department of Animal Science, College of Agriculture, Forestry, Environment and Natural Resources Cavite State University, Indang, Cavite in partial fulfillment of the requirements for the degree of Bachelor of Science in Agriculture major in Animal Science with Contribution No. *BSA-2003-01-108*. Prepared under the supervision of Prof. Eraño C. Esguerra.

INTRODUCTION

The size of poultry enterprise ranges from small farm flocks to large commercial operators. However, there has been an increased interest in recent years in keeping small flocks for the production of eggs or meat for home use. Regardless of the size of the enterprise, there are three important factors for the success of poultry raising: proper feeding, good management, and sanitation.

Broiler production operations involve raising chickens for meat. High quality rations are fed to secure rapid efficient gains. Generally, several flocks of birds are fed and marketed each year. Replacement pullet operations involve raising chicks, which are then sold, to egg production, or broiler production operation, depending on the type of bird raised (Gillespie, 1997).

Dried-bakery products is a feed produced from reclaimed (unused or stale) bakery-products or other materials such as candy, inedible flours, unusable nuts, and the like. The materials are blended and ground to produce a feedstuff that contains 9% to 12%