

ABSTRACT

NAME OF INSTITUTION: De La Salle University-Dasmariñas

ADDRESS: DBB-B, Bagong Bayan, Dasmariñas, Cavite

TITLE: Waste Odor Reduction on Rabbits by Adding Zeolite to their Diet

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OBJECTIVE OF THE STUDY: To lessen the burden of pet owners as well as livestock owners from waste odor of animals. '1

SCOPE AND COVERAGE: Seven different pairs of rabbits were tested. In a week, only one pair was tested. One of each pair of rabbits was fed with a normal diet and the other had a diet treated with 3% zeolite. In this study, 5 days constituted a week. On the fifth day of a week, feces of both rabbits were placed in a vial separately. Feces in vials were stored for 48 hours. Fifty respondents were asked weekly to determine if there was lesser odor on the object of the study.

METHODOLOGY: In this study, there were two diets used, the normal diet which consisted of 50g of chopped leafy vegetables and 50g of rabbit feed pellets, and the other diet consisted of 48.5g of chopped leafy vegetables and 48.5g of rabbit feed pellets plus 3g of zeolite. A bowl of water was provided for both rabbits. Feeding of rabbits was done twice a day for five consecutive days, which constituted a week. On

the fifth day of the week, feces of both rabbits were collected and placed in a vial separately and was stored for 48 hours having enough time for the odor to accumulate in it in preparation for 50 respondents to be asked on the difference of the waste odor for the succeeding week.

MAJOR FINDINGS: The presence of zeolite in the diet of rabbits had an effect, odor reduction on the feces of rabbits.

RECOMMENDATIONS: To be able to consistently get a positive result for the lesser odor of feces of rabbits whose diets had zeolite, urine must be separated or must not get into the fecal sample;

To determine the effectivity of zeolite, different concentrations of zeolite can be tested on the reduction of waste odor;

To have a more comprehensive study, there must be different zeolite applications, one treated on the diets and the other treated on the feces itself;

Treatment can also be tried on carnivores. The results can be compared to results on herbivores.