

POTENCY OF ASIATIC BITTER YAM (*Dioscorea hispida* Densst) AS
ETHNOANTHELMINTIC FOR NATIVE CHICKEN

A Project Report

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BACHELOR OF SCIENCE IN AGRICULTURE

By

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ABSTRACT

This study was conducted at Central Philippine University – Research and Development Area from December 14, 2019 to January 11, 2019. This study was conducted to determine the potency of Asiatic bitter yam (*Dioscorea hispida* Densst) as ethnoanthelmintic for native chicken in term of percent egg reduction of *Ascaridia spp.* The treatments used were tablets with different concentration of Asiatic Bitter Yam (0.25, 1.00, 2.00 and 3.00 g/kg bw). The synthetic dewormer was used as the positive control and the untreated chickens was used as the negative control. These were laid out in a randomized complete block design (RCBD) with three replications. A total of 54 native chickens was used with three chickens randomly distributed for every replication of each treatment. The Asiatic bitter yam (ABY) was extracted, freeze dried and chilled to form powder in tablet making. Results of the study revealed that the chickens treated with different concentration levels of ABY were comparable with those treated with synthetic dewormer in terms of percent egg reduction of *Ascaridia spp.* The chickens treated with 0.25 g/kg had the highest percent egg reduction of *Ascaridia spp* on the 1st week up to 4th week (0.94-9.98) post-fecal examination. The chickens treated with 3.00 g/kg had the lowest percent egg reduction on the 1st and 2nd week (0.50 & 03.75) of post-fecal examination, while on the 3rd week of post fecal examination birds treated with 2.00 g/kg had the lowest percent egg reduction (03.81). On the 4th week post fecal examination chickens treated with 0, 2.00, 3.00 g/kg had the lowest percent reduction (3.81).