

**EVALUATION OF THE EFFECT OF ETHANOL EXTRACTS OF DIFFERENT PARTS
OF PERIWINKLE (*Catharanthus roseus*) (L.) G.Don AGAINST
Ascaridia galli (Schrank)**

A Project Report

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By

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ABSTRACT

The study was conducted on May 6 to 13, 2019 at CPU-CARES Isolation Building Research and Development Center for Native Chicken Production, Jaro, Iloilo City. The objective of the study was to evaluate the *in vitro* anthelmintic effect of ethanol extracts of different parts of *Catharanthus roseus* (L.) G.Don. against *A. galli* (Schrank). The experimental treatments were composed of ethanol extracts of different parts of *Catharanthus roseus* (L.) G.Don. with the same concentration at 150 mg/ml. Commercial dewormer at 10 mg/ml and 0.09% physiological saline were used as positive and negative control treatments, respectively. These treatments were laid out in a completely randomized design (CRD) with three replications. The potency of the extracts was evaluated through percentage of worm motility inhibition and mortality rate for a period of 24 hours relative to the use of commercial dewormer at 10 mg/ml. Data on percentage of worm mobility and mortality inhibition revealed that the periwinkle ethanol leaf extract is comparable to those of the standard drug. On the other hand, there is no potency for the periwinkle ethanol flower and root extracts, which only resulted in a percent mortality of 6.67%. Worms exposed to physiological saline remained alive until 24 hours post exposure. These results indicate that periwinkle ethanol leaf extracts is more potent than the other parts and combinations used in terms of killing and paralyzing *A. galli* worms and is as effective as the commercial dewormer.