

# STUDI KERUSAKAN STRUKTUR ANATOMI CACING *Ascaridia galli* SETELAH PEMAPARAN DENGAN EKSTRAK BUAH NANAS (*Ananas comosus* L. Merr) MUDA VARIETAS QUEEN.

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Ascariasis is one of disease which caused by *Ascaris* worm infection. The diseases which caused by *Ascaris galli* can attach to chicken at all age. Known from the loss which caused by this parasite worm is big, so the controlling and prevention to be a necessity. Which provitable medicine plants which have anthelmintic characteristics so that in the future can less loss which is suffered by chicken catles breeder. The pineapple (*Ananas comosus* L.Merr) represent kind of plant which contains bromelin enzyme that is one of proteolytic enzyme that has function to work as catalyst at separation reaction of protein molecule to be endomysosome handle. On the other hand activity of proteolytic bromelin at green pineapple higher than pineapple which has ripe. The purpose from this research is for see damage structure of *Ascaridia galli* worm after explaining with bromelin enzyme in pineapple (*Ananas comosus* L. Merr) young queen varieties. Kind of this research is descriptive. Which free variable that is bromelin enzyme from pineapple rough gist. Handle variable is damaged structure anatomy of *Ascaridia galli* worm which envelope part of lining cuticle which around the body, bowels and muscle. Condition control is wide of *Ascaridia galli* worm that is about 3-12 cm. Population in this research is *Ascaridia galli* worm which had taken from cutting chicken pieces at Dinoyo Malang Market. Conclusion of this research is that organ (Cuticle, muscle and bowels) will be damage less at all part in that organ. Which content hydrolysed protein by bromelin enzyme at concentrate 80% (the worm is dead). On the other hand at concentrate 50% (worm illness) just a half that organ which damage less.