PROTEIN PROFILE OF ADULT STAGE *Ascaridia galli*

WITH SDS-PAGE METHOD

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ABSTRACT

Ascaridiasis is caused by *Ascaridia galli*, which are intestinal nematodes found in poultry causes weight lose and decrease egg production. Antiparasitic treatments to control ascaridiasis can make drug resistance. The research was done to identify excretion–secretion (ES) and whole worm extract protein of *Ascaridia galli* that were presented in molecular weight. *Ascaridia galli* were isolated from chicken intestine and were incubated in PBS with temperature 37°C for 4, 8, 12 and 24 hours, ES liquid from the worms was produced in PBS. The study was characterized by sodium dodecyl sulfate polyacrylamide gel electrophoresis (SDS-PAGE) showed five bands of ES, as follow 39.4 kDa, 27.5 kDa, 9.38 kDa, 6.5 kDa and 4.2 kDa; and there were twelve bands of whole worm extract, as follow 293.8 kDa, 236.9 kDa, 115.6 kDa, 75.1 kDa, 60.6 kDa, 42.3 kDa, 23.8 kDa, 16.7 kDa, 12.5 kDa, 8.1 kDa, 5.7 kDa and 4.3 kDa.

*Key words*: *Ascaridia galli*, ES, whole worm extract, SDS-PAGE