ANTIGENICITY PROTEIN OF *Ascaridia galli* AGAINST ANTI-*Ascaridia galli* AND ANTI-*Raillietina echinobothrida* SERA MICE BY ELISA METHOD

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ABSTRACT

The aim of this research was to find out cross reaction between antigen *A. galli* with anti-*R. echinobothrida* sera by using indirect-ELISA method. This research was conducted by introducing protein with whole worm extract (WWE) *A. galli*. The first step, *A. galli* and *R. echinobothrida* that was collected from poultry intestine, produced and homogenized by doing sonication and sentrifuge to obtain the homogenates. The second step, immunization of each mice group with adjuvant (P_0), homogenates *A. galli* (P_1), homogenates *R. echinobothrida* (P_2). The third step, optical density (OD) value was determined by indirect-ELISA method. The result showed that 1) mean OD value control antibody was 0,084, anti-*A. galli* sera mice was 0,335 and anti-*R. echinobothrida* sera mice was 0,227; 2) The analisis statistic was very significant differences between P_0, P_1, P_2 and there was cross reaction between antigen *A. galli* with antibody *R. echinobothrida*; 3) sensitivity was 100%, specificity was 12,5%, and false positif was 87,5%.

Key words: *Ascaridia galli, Raillietina echibothrida,* indirect-ELISA, cross reaction, optical density (OD)