

ATENUASI PATOGENITAS *Eimeria tenella* MELALUI SERIAL PASASE *Precocious Lines* TERHADAP JUMLAH SKIZON DAN GAMBARAN HISTOPATOLOGI PADA SEKUM AYAM PEDAGING

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ABSTRACT

The aim of this study was to produce an attenuated strain of *Eimeria tenella* by the serial precocious lines. This study used the number of schizont and histopathology scores for signs that the *E. tenella* had been attenuated. Three parts series has occurred in 24 broilers with eight male chicken each passage. First part used *E. tenella* parent lines, the second part of the precocious lines used *E. tenella* of the first part, then the third part of the precocious line *E. tenella* used of the second part. The sample used was a male chicken caecum. Orientation of cecal histopathology was examined by Hematoxylin eosin staining. Calculation schizont and histopathological scoring were examined under a microscope with magnification 400-1000x. The results showed there was significantly different ($P < 0.05$) in the number schizont between the first, second and third passage. On histopathological scoring showed significantly differences ($P < 0.05$) between the first, second, and third passage.

Key words: *Eimeria tenella*, attenuation, precocious lines, number of schizont, histopathology.