ATENUASI PATOGENITAS *Eimeria necatrix* MELALUI SERIAL PASASE OOKISTA MUDA DITINJAU DARI GAMBARAN HISTOPATOLOGI USUS AYAM BROILER

ARIEF SARWO EDHIE
(Chairul Anwar, drh., M.S)
KKC KK KH 125 11 Edh a

ABSTRACT

The aim of this study was to produce an attenuated strain of *Eimeria necatrix* by the serial passage of precocious lines. This study used the histopathology for signs that the *E. necatrix* had been attenuated. Three part series has occurred in 24 males chicken with eight replications each passage group. First part used *E. necatrix* parent lines, the second part of the precocious lines used *E. necatrix* of the first part, then the third part of the precocious line *E. necatrix* used of the second part. The sample used was a male chicken jejunum. Jejunum histopathology preparations used Hematoxylin eosin staining. Histopathological scores were examined under a microscope with magnification 400-1000x. The results showed that significantly different (P <0.05) between the first, second and third passages.

Key words: *Eimeria necatrix*, attenuation, precocious line, jejunum, Histopathology