

**POTENCY OF FORMALIN IN ATTENUATED
PATHOGENICITY OF *Eimeria tenella* SEEN FROM
OOCYSTS PRODUCTION**

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ABSTRACT

The purpose of this study was to determine whether the pathogen of *Eimeria tenella* can be attenuated by formaldehyde and to determine the concentration of formaldehyde that is most effective for attenuated of *E. tenella* in terms of oocysts production. 25 chickens aged three weeks were divided into five treatment groups with randomly. The first treatment (P-I) as a control, the second treatment (P-II) until fifth treatment (P-V), *E. tenella* soaked in formalin with various concentrations of 0.15%, 0.3%, 0.6% and 1.2%. On the fifth day until the twelfth day post-infection performed by oocysts production examination in infected chickens. The results showed that formaldehyde can attenuated of *E. tenella* pathogen in broiler chickens. The difference of formalin concentration affected the amount of oocysts production of *E. tenella* in broiler chickens. Soaking in formalin at a concentration of 1.2% is most effective for attenuated *E. tenella*.

Key words: *Eimeria tenella*, formalin, attenuated