HISTOPATHOLOGY APPEARANCE OF *Toxoplasma gondii* TACHYZOITES INFECTED VAGINA OF MICE (*Mus musculus*) CERVIX

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ABSTRACT

The aim of this research was to find out of vagina that infected by tachyzoites stadium *Toxoplasma gondii* mice (*Mus musculus*) cervix. Eighteen female mice with age of 2-3 month were divided randomly into two group treatment (n=9). P0 was the control group treated NaCl fisiologis intravagina and P1 was infected that treated with $10^5$ tachyzoites stadium of *Toxoplasma gondii*. All mice was sacrificed eight days of infection for histopathologycal examination. Each of mice (*Mus musculus*) cervix processed by Hematoxylin Eosin staining method. This research showed that tachyzoites of *Toxoplasma gondii* could be find of the cervix epitel. Base on the result of the statistical analysis by Mann whitney test showed that there were significantly different result of erotion cervix epitel and the inflammatory cell (p <0.05), hyperplasia cervix epitel are not significantly (p>0.05) with erotion cervix epitel.

Keyword : *Toxoplasma gondii*, tachyzoites, cervix histological, erotion epitel, inflammatory cell, hyperplasia