

## **VIABILITY AND INFECTIVITY OF TACHYZOITE *Toxoplasma gondii* STORED IN CHICKEN BLOOD**

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### **ABSTRACT**

The aim of the study to identify the viability and infectivity of tachyzoite *T.gondii* stored in chicken blood. The isolates were kept at 4° for 30 days. The viability was observed on day 0, 10, 15, 20, 25, and 30 according to motility of tachyzoite. The tachyzoites were infected to mice and the infectivity were observed for 30 day by looking the early-onset of clinical symptoms, survival period, and the existence of the tachyzoite in intraperitoneal fluid. The data were analyzed by using analysis of variance (ANOVA) and continuing with Tukey test. The result showed that tachyzoite *T.gondii* still survive in chicken blood for 30 days, and the infectivity of tachyzoite *T.gondii* decrease after 15 days of storage. It could be concluded that chicken blood can be used as a takizoit *T.gondii* storage medium.

**Key word :** *Toxoplasma gondii*, storage, viability, infectivity, chicken blood.