

**EFFECT OF GOAT COLOSTRUM ON LEVEL OF DAMAGE LIVER
AND THE LIFESPAN OF *Mus musculus*
INFECTED WITH *Toxoplasma gondii***

Money Parulian Harahap

ABSTRACT

The aims of this study to determine the effect of goat colostrum administration to reduce the level of liver damage and improve survibilities of mice. Experimental animal used 36 male mice 2-3 month were devided randomly into two group treatment (n=9). K(+) as a control given aquadest steril 0.3 ml orally, group was infected with 1×10^3 of *Toxoplasma gondii* tachyzoites. P1 as a treatment goat colostrum 0,3 ml orally, group was infected with 1×10^3 of *Toxoplasma gondii* tachyzoites. Four days post infection, mice were sacrificed and liver of all mice taken for histopathology preparations for further observation. Each of the liver of mice (*Mus musculus*) processed by Hematoxylin Eosin staining. The result of the observation and scoring degeneration, infiltration and necrosis of the entire liver histopathology preparation of mice (*Mus musculus*). Goat colostrum administration could reduce level of liver damage such as cell infiltration, degeneration and cell necrosis, but it can't like prolong the life span of mice.

Keywords : *Toxoplasma gondii*, mice (*Mus musculus*), goat colostrum