

**STUDY OF HISTOPATHOLOGY LIVER IN DOMESTIC CHICKEN
(*Gallus domesticus*) INFECTED BY *Plasmodium* sp.
IN PASURUAN CITY**

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ABSTRACT

The purpose of this research was to know the incidence of avian malaria in Pasuruan and description of liver histopathology of domestic chicken (*Gallus domesticus*) that infected with the *Plasmodium* sp. This research used 18 samples domestic chicken (*G. domesticus*) are thought to be infected with the *Plasmodium* sp. Samples were examined by blood films stained to review the presence of *Plasmodium* sp. and continued by an examination of histopathology in hepar to know the changes that occurred. The review of blood from 18 sample showed the results of 15 samples (83,33%) domestic chicken infected with *Plasmodium* sp. and 3 (16.67%) samples, domestic chicken not infected with the *Plasmodium* sp. The examination of liver histopathology that positively infected with *Plasmodium* sp. found any necrosis change (100%), degeneration (100%), inflammatory cell infiltrated (26,67%) and congested (13,33%). The examination it was also found a form of *schizont* in liver.

Key words : domestic chicken, histopathology, liver, *Plasmodium* sp.