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.