ABSTRACT

ASTRI PRIYANTI PARAMESWARI. Case Study: The Histopathological Study of the Death of an Ambon Monitor Lizard (Varanus indicus). Under direction of EVA HARLINA and AGUS SETIYONO.

The aim of this case study was to study the cause of death of an Ambon monitor lizard (Varanus indicus) which died suddenly without showing any clinical signs. Organs that were showing abnormality were collected and histopathologically processed. Gross examination showed enlarged liver with multiple white foci ranging from 0.1 to 2 cm in diameter and diagnosed as multifocal abscess. Abscesses were also found in the spleen and kidney. The mucosa of the intestine was filled with hemorrhage exudate and contained many necrotic areas. The intestine was diagnosed as enteritis hemorrhagica et necroticans. The histopathological examination showed granulomatous inflammation in the liver, spleen, kidney and intestine, and amoebas were found in all of these organs. The death of this lizard is caused by liver failure and multifunctional organ failure caused by chronic inflammation of amoebiasis.

Keywords: Ambon monitor lizard, granulomatous inflammation, Entamoeba sp.