

**FEATURING LIVER PATHOLOGY OF *Clarias gariepinus* THAT WERE
INFECTED BY *Edwardsiella tarda***

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ABSTRACT

This research aimed to know the changed damage of liver *Clarias gariepinus* were infected by *Edwardsiella tarda*. Twenty four of *Clarias gariepinus* with average weight of 20-25 gram, size 10-12 cm were randomly divided into four groups of treatment (P0, P1, P2, and P3). Six repetition each those are given with the dosage of *Edwardsiella tarda* 3×10^6 CFU/ml except P0 (control). At the macroscopic observed, show that liver become swollen and pale. The histopathological features of hepar were examined under light microscope in 400 times magnification. Scoring method were using Bernet Scoring Method to examined the presence of degeneration, necrotic, congestion and infiltration of leucosyt. Then, Kruskal-Wallis test followed with Mann-Whitney test of statistical analysis. The result showed change in liver of *Clarias gariepinus*. The most severe damage was occurred on P2. It cause in histopathology examination showed lesion such necrotic area with infiltration of inflammatory cells and there was an increased of erythrocyte acumulation in blood vessels compared with P1 and P3.

Keywords : *Clarias gariepinus*, *Edwardsiella tarda*, Pathology, Liver.