

**THE EFFECT OF TREATED MENIRAN (*Phyllanthus niruri* Linn) PLANT
INFUSUM ON FEATURING LIVER HISTOPATHOLOGY OF *Aeromonas
hydrophila* INFECTED IN TILAPIA (*Oreochromis niloticus*)**

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ABSTRACT

The aim of this study was investigate the positive effect of *Phyllanthus niruri* Linn plant *infusum* on histopathological liver of tilapia (*Oreochromis niloticus*) infected by *Aeromonas hydrophila*. Twenty tilapia at average weight of 15 gram, size 5 cm were infected by *Aeromonas hydrophila* in 10^6 CFU/ml concentration. Tilapia on group P0(+),P1,P2,P3 with *Aeromonas hydrophila* infected for 24 hours were treated by dipping in meniran plant *infusum* at dose 10% (P1), 20% (P2) and 30% (P3) for seven days, where as P0(-) was the negative control group. Experimental design using a completely randomized design with four replications on each treatment. The data of histopathological changes liver was analyzed with *Kruskall Wallis* test. The research showed there wereno significantly differences of liver histopathological changes between P3 and P0(-). It was proved that P3 was most effective dose in reducing histopathological changes.

Key words : *Aeromonas hydrophila*, *Phyllanthus niruri* Linn, *Oreochromis niloticus*, *infusum*, liver