

THE FEATURING LIVER HISTPATHOLOGY OF *Aeromonas hydrophila*
INFECTED COMMON GOURAMY (*Osphronemus gouramy* Lac.) THAT
TREATED MENIRAN (*Phyllanthus niruri* Linn.) LEAF INFUSUM

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ABSTRACT

The aim of this study is to investigate the positive effect of *Phyllanthus niruri* Linn leaf *infusume* on histopathological liver of *Osphronemus gouramy* Lac. infected by *Aeromonas hydrophila*. Twenty *Osphronemus gouramies* at average weight of 100 grams, size 12-15 cm were infected by *Aeromonas hydrophila* in 10^6 CFU/ml concentration. *Osphronemus gouramy* Lac. on group P(+), P1, P2, P3 with *Aeromonas hydrophila* infected for 24 hours were treated by dipping in *Phyllanthus niruri* Linn. leaf *infusume* a dose of 10%, 20% and 30% for P1, P2, P3 for 5 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 of liver was analyzed with *Kruskall Wallis* test. The research showed there were no significantly differensses 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. leaf *infusum*, *Osphronemus gouramy* Lac., liver.