

**THE OVERVIEW OF SPLEEN HISTOPATHOLOGY OF THE  
GOURAMY FISH (*Osphronemus gouramy*) INFECTED BY  
*Aeromonas hydrophila* BY GIVING MENIRAN  
(*Phyllanthus niruri*, Linn.) INFUSION**

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**ABSTRACT**

The aims of this study is to determine the effect of meniran (*P. niruri*, Linn.) infusion therapy after being infected by *A. hydrophila* to the overview of histopathology by increasing the diameter of the white pulp spleen of gouramy fish. Twenty gouramy fish with the average weight of 100 grams and the approximately length of 12-15 cm are randomly divided into five groups for treatment (P0-, P0+, P1, P2, and P3) by each four of replicates, and infected by  $10^6$  CFU/ml *A. hydrophila* for 5 ml in 15 L water for 24 hours, P0- is an exception. The soaking of meniran infusion is conducted for 3 minutes for each day during 5 days, P0- and P0+ are the exception. The results of statistical test by the F test of the ANOVA indicates that there are significant differences ( $p < 0.05$ ) among the treatments, the further test results by using BNJ can be seen that the average diameter of the white pulp spleen of gouramy fish in P3 shows the highest result. Based on the research result, can draw the conclusion that the meniran infusion after infected by *A. hydrophila* can increased the diameter of the white pulp spleen of gouramy fish.

Keywords: Meniran infusion, *Aeromonas hydrophila*, gouramy fish, spleen.