

THE PICTURE OF HISTOPATOLOGY GILL on *Cyprinus carpio* Linn were INFECTED BY *Aeromonas salmonicida*

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ABSTRACT

The aim this study was to know the level damaged of gills *Cyprinus carpio* linn were infected by *Aeromonas salmonicida* bacteria. Twenty of *Cyprinus carpio* Linn with average weight of 23 gram and approximately length of 12 cm were randomly divided into four groups of treatment (P0, P1, P2 and P3). Five repetition each those are given with the dosage of *Aeromonas salmonicida* bacteria P0 (control, without treatment), P1: 10^5 CFU/ml, P2: 10^6 CFU/ml, P3: 10^7 CFU/ml. Histopathological observed was secondary lamella are experiencing hyperplasia and fusion of secondary lamella were analyzed by *Kruskal wallis* test indicates that there are significant differences ($p < 0,05$) among treatment, the further test result by using *Mann – Whitney*, Result showed change in gills histopathology of *Cyprinus carpio* linn. The most sever damage was occurred on dosage with 10^7 CFU/ml (P3). It cause valued $2,88 \pm 0,18$.

Keywords :*Cyprinus carpio* linn, *Aeromonas salmonicida*, histopatologic of gill