

## **OXYGEN CONSUMPTION RATE OF SEED GOLDFISH (*Cyprinus carpio*) ON THE WATER CONTAMINATED MERCURY (Hg)**

**RONI BARANI<sup>1</sup>, IDA ADHA ANROSANA<sup>2</sup>, ARIESIA  
AYUNINGGEMAPUTRI<sup>3</sup>.**

### **ABSTRACT**

This research was conducted in the building of natural silk Reeling Agribusiness and Bioscience Laboratories Polytechnic of Jember. During the study period of 5 months on December, 13 September 2013 until January 20, 2014. The purpose of this study was to find out the influences mercury (Hg) with different concentrations of the oxygen consumption rate and the carp seed for Hg concentration. Knowing that most affect the rate of oxygen consumption of carp seed. This study used a design of experiments. The method used was completely randomized design (CRD) with 4 treatments with a dose of 0.0025 mg / l, 0.0030 mg / l, 0.0035 mg / l, and 0.0040 mg / l with 4 replications in each treatment. Based on the calculation results of ANOVA states that the provision of Hg concentrations highly significant effect ( $F_{count} > F_{table} 1\%$ ) of the rate of oxygen consumption of carp seed. rate of oxygen consumption of carp seed with 0.0025 Hg concentrations showed the highest level of household consumption of oxygen is 0.725 (mg / l) and the lowest rate of oxygen consumption is shown in Hg concentration of 0.0040 is equal to 0.430 (mg / l).

*Keywords: Mercury (Hg), oxygen consumption rate, carp seed*

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<sup>1</sup>Students Polytechnic of Jember, Aquaculture Sector Concentration, Program Management DIV Agro-Industry, Department of Agribusiness Management.

<sup>2</sup>Lecturer Polytechnic of Jember, Department of Agribusiness Management, Program Agribusiness Management.

<sup>3</sup> Lecturer Polytechnic of Jember, Department of Agribusiness Management, Agribusiness Management Program.