ABSTRACT

THE INFLUENCE OF ZEOLIT AND ACTIVE CARBON ON SURVIVAL RATE OF *OSPHRONEMUS GOURAMY* UNDER ENCLOSED TRANSPORT SYSTEM

By

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Seed supply and seed distribution from one place to another becomes problem in *Osphronemus gouramy* fishery. Problem which is often faced by Indonesian farmer in *Osphronemus gouramy* seed distribution is in the survival rate. It happens because of the dynamic of water quality during transportation. The purposes of this research were to understand the effect of zeolit and active carbon to maintain water quality in medium of enclosed transport system and giving zeolit dosis and active carbon that optimal to enclosed transport system for carp seed. This research is done in practical in outside and Fishery laboratory, Agriculture Faculty, University of Lampung. experimentation program which is used such as complete disordered experimentation, consist of six treatment are control (without increasing zeolit and active carbon), treatment A (20 g zeolit), treatment B (15 g zeolit + 5 g active carbon), treatment C (10 g zeolit + 10 g active carbon), treatment D (5 g zeolit + 15 g active carbon) and treatment E (20 g active carbon) with three times repetition. Result of this research indicate that using of zeolit and active carbon having a measurement granula capable to keep water quality of pH, DO and produce level of better life than treatment that not used zeolit although active carbon but can not give significance influence to decrease TAN. Treatment with zeolit 20 gram use less cost than the other treatment but getting tter as good as with treatment which use zeolit 15 gram and 5 gram active carbon although treatment which use 20 gram active carbon.

**Key words**: *Osphronemus gouramy*, survival rate, water quality, zeolit, Active carbon, Enclosed transport system