Salinity INFLUENCE OF DIFFERENT LEVELS OF SEED graduate's life of milkfish (Chanos Chanos forskal)

TRANSPORT SYSTEM IN CLOSED AND POST-GROWTH AND MAINTENANCE graduate's life

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The trend increase in demand for fish seed milkfish (Chanos Chanos forskal) will make the fulfillment of supplies should be done with the expansion of aquaculture and fish transportation system better. The main constraint is often experienced the death of fish due to decline in water quality during transportation due to environmental influences. Decrease in salinity as environmental manipulation may suppress the metabolism of fish. This stu dy aims to determine the salinity of the best in an increase in freight rates kelulushidupan Fish Milkfish (Chanos Chanos forskal) are closed as well as the growth and maintenance of post graduate's life. The research was carried out by transporting the fish milkfish (Chanos Chanos forskal) from the city of Malang-Madura –malang and the Laboratory of Reproductive and fish breeding Faculty of Fisheries and Marine Sciences Brawijaya University Malang on 1-20 Janari 2011 with a long trip 24 hours followed by maintenance in the tank for 14 days. This study uses fish measuring 3-5 cm. The study was conducted for 14 days using Complete Randomized Design (CRD) consisting of four treatments, each treatment was repeated 3 times. Salinity used is 4 ppt, 8 ppt; 12 ppt and 16 ppt (control). ANOVA test kelulushidupan milkfish fish during transport of 24 hours showed the value of F calculated> from F 5%. Analysis of orthogonal polynomials is a quadratic regression with Y = 0.1625 X + 3.118 X2 + 77.975 with R 2 = 0.699 with the best kelulushidupan salinity 9.5 ppt (93%).ANOVA test fish kelulushidupan Milkfish at peneliharaan demonstrate the value of F calculated> from F 1%. Analysis of orthogonal polynomials is a quadratic regression with Y = -0.255 X2 + 5.175 X+50.76 R2 = 0.699 with the best kelulushidupan salinity 10.15 ppt (77.015%). For the water quality after the transportation and maintenance are still within the normal range except ammonia during the transport of 24 hours. MAS ammonia test results demonstrate the value of F calculated> F 5%. Orthogonal polynomial regression analysis is linear with X 0.000146 + 0.39854 with R 2 = 0.646.

key words: Milkfish (Chanos Chanos forskal), salinity, kelulushidupan, ammonia.