

SUMMARY

Dahlia. Isolation And Identification Bacteria On The Seeds Cantang Grouper From Nursery Pond At Fisheries Center Brackish Water Aquaculture, Situbondo, East Java. Academic Advisors Prof. Dr. Hari Suprpto, Ir., M.Agr dan Rahayu Kusdarwati, Ir., M.Kes

Grouper is one of the leading commodity cultivation in Indonesia beside three other commodities such as shrimp, tilapia, and seaweed. In 2010-2014 grouper fish production showed an average production increase 9.61% in year. Marine and Fisheries Ministry in 2014 targeting aquaculture production volume of 16.8 million tons, in this case the Marine and Fisheries Ministry held a supply of grouper seed quality in the Technical Implementation Unit and Hatchery Household Scale Unit. Stabilization of hybrid seed production cantang grouper fish are needed to produce seed has a good quantity and quality and ultimately expected to help the needs of seeds in farming activities. Cantang grouper aquaculture activities expected to be implemented in the community as a profitable venture.

Sampling seed grouper cantang use purposive sampling method with take the seeds that were allegedly infected bacteria from nursery pond at Fisheries Center Brackish Water Aquacultur, Situbondo, then isolation in the laboratory and identification of bacteria in laboratory bacteria Fish Quarantine Class I Juanda, Surabaya in May -June 2016.

From this research were found the bacteria *Vibrio alginolitycus*, *Vibrio harveyi* and *Streptococcus iniae* on the seed cantang grouper fish from nursery pond at Fisheries Center Brackish Water Aquacultur, Situbondo, East Java. The biggest factor affecting the transmission of bacteria on the seeds of cantang grouper are feeding fish with quality trush fish is not good and cannibalistic nature of fish that causes sores on the body surface of the fish so that the bacteria easily enter the body of the fish then infect it.