

Coast Environment Conservation by Home Scale Grouper Culture in Pecaron – Situbondo

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Abstract

Pecaron coastal in east java of Indonesia that have a diversity of coral fish, mangrove and coral reef. But in recent years, the environment of this coast have be through degradasi quality caused of resources exploitation by pecaron's people. Generally the resources that utilized by them was coral reef and mangrove. By meet the damage of this environment coastal in pecaron, we would like to give a alternative job for pecaron's people so they didn't exploitation the coastal in order to environment state in sustain. Home scale grouper culture was one of alternative attempt that most appropriate for them. Grouper have a high economic especially when the fish life. Beside that the culture of grouper was very simple to do by pecaron's people. With this activity, be expected their prosperity will going up and pecaron coastal envorinment remain everlasting.

Keywords: Conservation; Grouper culture; Mangrove

Introduction

Pecaron located in north coast of east java Indonesia that have a variety of coral fish, coral reef and mangrove. Generally, the people in pecaron was a low education, so they just rely on natural resources around for comply their living by catcing a fish and exploitation of coral reef and mangrove. They catching a fish was carry out by fishing or use a net in the sea. But utilization explosive for get a fish in pecaron still occur although this matter will damage a coral reef as place of fish for live.

Coral reef exploitation in this land was very high. Usually the people sell the coral reef as a souvenir in tourist area. Beside of that they use coral reef for raw material of bulding material factory. Exploitation of coral reef done by get in direct or break it in small size [1].

Mangrove logging was often happen in pecaron coast. Generally, mangrove in this coastal already exhausted. The reason of logging this plant was caused the mangrove inhibit fisherman put in their boat in coastal. In addition mangrove was use as a combustibile.

With see the decrease of resources environmental quality in Pecaron, we must provide a one attempt as alternative job for pecaron's people. One of employment that can be apply for them was grouper culture home scale. Selection of grouper for a culture caused by this fish have a high economically international and domestic market especially when the fish was live. Recently, grouper demand was high and can't covered from natural caught especially the requirement of grouper seed. And it's necessary to culture a grouper for comply it [2]. Futhermore, the culture of grouper can be done by Pecaron's people as alternative job. The method of culture grouper were very simple and can be doing by the people of society in Pecaron. So the will not over exploitation a natural resources of Pecaron coastal again, especially coral reef and mangrove. Therefore, natural resources in this place will remain sustainable [3].

This conservation program was based in several damage of coral reef and mangrove that caused by exploitation of coastal people in Pecaron [4]. The consequence of that exploitation such us (a) Damage of coral reef; (b) Disappearance of mangrove; (c) Reducing of fish population; and (d) Decreasing of water quality.

The purpose of environmental conservation technique with

grouper culture in home scale was provide alternative effort that more prospective for Pecaron coastal people to improve their welfare. Whereas a long term purpose of this activity i.e. conserve a coral reef, mangrove and a variety of coral fish. And most important are prosperous society that environmentally conscious.

Aplication this program in society done in several method like, reading, discussion, observation and direct practice. And media that can use for disseminate information about this program are leaflet, handbook, technical instruction, television, radio etc. [5].

After this program accept by society, we expected they have a understanding about importance of environmental conservation and arise a ideas regarding to method for support the environmental preservation, for example create a artificial reef and replanting the mangrove. In order this program was success and sustain, it's have any approach to people. Safety approach with cooperation between security was very important. Finally, from this program we hope that welfare society were reached and coastal area and mangrove remain everlasting in sustain.

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