

THE INTRODUCTION OF CORAL REEFS TO THE CHILDREN IN AN EFFORT TO KEEP THE CORAL REEFS IN THE VILLAGE OF SUMENEP REGENCY RA'AS SUBDISTRICT KETUPAT

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Abstract— A coral reef is one of the essential components of the oceans. In addition to being a beautiful view of the sea, coral reefs are a very important role in maintaining the viability of fish or marine life. But if the coral reefs are no longer functioning as it should be, then there should be the action that needs to be done to save the coral reefs is still there. In addition to the discourse that has been created for the development of marine national parks to maintain the sustainability of coral reef, coral reef introduction to children may also be one of the solutions to keep coral reefs. The study focused on how coral reefs function for the people of the village of Sumenep Regency Ra'as Subdistrict Ketupat, as well as how the introduction of coral reefs to the kids can maintain the existence of the coral reefs in the village of Ketupat Ra'as Subdistrict Sumenep Regency. The research method used is descriptive, qualitative data collection techniques done with observation, interviews, and documentation. The results showed that the coral reefs are located in the village of Ketupat Ra'as Subdistrict Sumenep Regency lot made the Foundation of the building, as well as the introduction of coral reefs to the children, can be one solution to keep coral reefs The village of Ketupat Sumenep Regency Ra'as Subdistrict in the future. The introduction of coral reefs to children are also expected to change the mindset of the next generation to be able to search for other alternatives in addition to the coral reefs as building foundations.

Keywords— *Introduction, Coral Reefs, Keeping*

I. INTRODUCTION

In Law No. 27/2007 on the management of coastal areas and small islands States that the coastal areas and small islands need to be preserved and utilized for the prosperity of the people, both for the generation now as well as generations to come [1]. As one of the small islands in the Regency of Sumenep, Ra'as Island certainly included in the legislation section, but as the island is small island Ra'as have limitations or problems in the fulfillment of needs, such as fulfillment for the foundation of the building. If in general, the building foundation stone from the river wears differently then occurs on the island of Ra'as Ketupat, Village in particular because the citizens wear coral reefs as building foundations. This happens because the Ra'as Island indeed surrounded by the ocean. This situation can not continue to be left well enough alone, because the coral reefs are home

to 25% of all marine life and ecosystems in the world is the most fragile and easily become extinct ([2]. Although the data in the status of coral reefs of Indonesia 2017 (based on data up to the year 2016) it is written that in Madura island from 12 stations that exist stating that station 0 status is ugly, but this is contrary to what happens in The village of Ketupat Ra'as Island due to the State of the coral reefs there is not only ugly but increasingly reduced due to take to the building Foundation was created by the local community.

In addition to the discourse that has been created for the development of marine national parks to maintain the sustainability of coral reef, coral reef introduction to children are also expected to be one of the solutions to keep coral reefs in the future. The introduction of coral reefs to the children of the village of Sumenep Regency Ra'as Subdistrict Ketupat is also expected to help preserve the condition of the coral reefs on the wane in the village of Ketupat Ra'as Island in the future, because in addition to waiting for discourse Coral Reef Conservation through marine national parks from the Government realized there is also supposed to work done by people who are already aware that there are fish in the sea around the village of Ketupat its reefs along Ra'as Island noteworthy case. In order to save the existence of coral reefs exist in the village of Ketupat Ra'as Island in accordance with one of the goals of sustainable development or the currently famous as SDGs (Sustainable Development Goals) that preserve and use the oceans, seas, as well as marine resources on an ongoing basis for sustainable development.

II. RESEARCH METHODS

The methods used in this research is qualitative research methods. Qualitative research according to Kirk and Miller is a certain tradition in social science is fundamentally dependent on human observations both in the region and in verballity [3]. This research was done qualitatively descriptive research with the design. Descriptive research is intended for precise depictions of social phenomenon against examined circumstances villagers Ketupat Ra'as Island. Data collection techniques used by researchers are sourced from primary and secondary data. To get the primary data used to interview the informant method. The researchers chose the informants where appropriate or able

to respond to the research problem formulation. So the informants were selected by the researchers who are people who have a car pick-up and used to sell services take the coral reefs, village manager, fisherman, and several other informants. While secondary data obtained from the official website a directory of small islands of Indonesia to get a general overview of linked data Island Ra'as. Instrument data used is to do the observation and study of documentation. Then the data were analyzed using the theory of rationality social actions according to Max Weber.

III. RESULTS AND DISCUSSION

A. An Overview of The Island Ra'as

Based on Data from the directory of the small islands of Indonesia, the island of Raas is one of the districts in the territory of the Islands have smaller islands as much as 14 islands with 9 inhabited and 5 uninhabited islands. Geographically, the Ra'as has an area of 38.903541 km² (38.90 km²). There are 7 villages in the island of Ra'as that is the village of Alas Malang, Poteran, Karang Nangka, Ketupat, Jungkat, Keropo, and the village of Berakas. Island Ra'as is at coordinates between 114,45o-114,65oBT dean 6,952o-7,2oLS .



Fig. 1. Ra'as Island Map

B. Social and economic description of the village Ketupat Island Ra'as

Based on Data from the directory of the small islands of Indonesia, the population of the island is the village of data according to the Ra'as ± 28,424 soul consisting of 13,699 male and female 14,725. The business activities of community-based agriculture Ra'as Island, maritime and fisheries, small industries and labor out of the region. In this study, researchers focused on the community in the village of Ketupat. The number of people in the village as much as Ketupat 4,919 inhabitants comprising of 2,324 boys and 2,575 girls. The village of Ketupat consists of 4 hamlets that are the Keranji hamlet, Tengah hamlet, Noko hamlet, and Banlindur hamlet. While the livelihoods of people in the village of Ketupat that is 50% in the agricultural sector, 30% of the fishing sector and 20% on a Sector trader.

C. Social and economic description of the village Ketupat Island Ra'as

Before discussing how coral reefs function for the people of the village of Ketupat Ra'as Island, it will be explained in advance the functions and benefits of coral reefs of the coral reef status:

1. As a natural fortress to protect the beach from crashing waves.
2. As a place of living, shelter, and feeding of fish and other sea life that is a source of food as well as a source of medicine or food supplement from the sea.
3. As supporting educational and research activities in order to of the existing marine biota life in the coral reef ecosystems may be better known and easy to learn.
4. As tourist attractions. A cross between a reef with other marine biota makes coral reefs as ecosystems that have beautiful underwater panorama and very attractive, potential as a place of recreation.

If the explanation above is a function that should occur on a coral reef, then other functions occur on the coral reefs are located in the village of Ketupat Island Ra'as that is coral reefs were taken and made into the foundation of the building. This is in accordance with one of the functions written by Alikodra, 2012 that is social functions explained that in several places in Indonesia, the coral stone is used for a variety of uses such as the construction of roads and building, industrial raw material as well as jewelry. The problem is not just that alone, but become complex due to circumstances relating to the social, economic and even political in certain areas. There are groups of people who gave up his life and are a source of income from exploiting the coral reefs [4]. A State like that's what happened in the village of Ketupat Ra'as Island where to get the coral reefs will be made the foundation of the building definitely need the services of someone and usually become dealer services are people who have a car pick-up. The rates are pegged by contracting the services of the coral reefs are ranging between Rp 150,000 – 200,000 Usd every pick-up or transport. Within the last three years, the service sales patterns change based on broad selling which was originally the place to be occupied by buildings in the sense not of pick-up or transport a few times. But for the price is still relatively the same.

In retrieval system of coral reefs by people who have a job to serve the services taking coral reefs with a pick-up car, no division of territory between fellow workers. Even coral reefs can also be taken in the neighboring village of if where it is more profitable. In addition, the taking of coral reefs in the sea also definitely needs a boat and its owner, so the money from the results of such services is not only taken by the owner of the car pick-up but also shared with the boat's owner or the people who took the coral reefs the sea. Then Additionally a pick-up car owner usually also employ several people for help during the process of transport of coral reef begins from the coastline into the car pick-up to be styled in what will be built.

Actions are taken the villagers Ketupat Ra'as Island in utilizing the coral reefs, according to Max Weber social action by then it can be categorized in a traditional course of action. The traditional course of action (which is much more taken care of Weber) is determined by means of the usual

actors behave and prevalent [5]. It is also the traditional action based upon the customs in doing something in the past only [5]. So what is done by the community is doing what it has done by his predecessors and did not consider the logical aspects of coral reefs required by marine biota life but think that coral reefs are the goods that should be purchased to be used as the foundation of the house.



Fig. 2. Coral reefs are gathered at the seaside



Fig. 3. Coral reefs are already on pick-up



Fig. 4. Coral reefs have become the Foundation of a building

In fact some villagers Ketupat Ra'as Island especially the fishermen realize that devastating coral reefs are also influential with the condition of fish in the sea around the village of Ketupat. In addition to the fishermen who subconsciously the Councilor and teens who already have science more or have attended colleges also realize that the State of the coral reefs which serve as the foundation of the building is actually also can be a detriment in the future. But those who are aware of this too cannot do much for his situation because it makes them have to wear coral reefs as building foundations. Some of the factors that cause it was due on the island of Ra'as indeed no river so it's automatically not having the stones river that is commonly used as the foundation of the house and also the stones in the village is the island of Ra'as Ketupat hard rock is taken because it is embedded in the ground. Therefore, the

introduction of coral reefs to the children is expected to be one of the solutions to slightly reduce or slow extinct or endless Ketupat Village coral reefs in Pulau Ra'as.

The following are some of the factors that cause the coral reefs are located in the sea around the village of Ketupat Ra'as Island became corrupted in addition because it is taken to be the foundation of the building:

1. Community economic limitations, this happens because as the researchers never explained earlier that if easier and cheaper to make coral reefs as the foundation of the building on the rock river to buy should come from beyond the island and certainly requires more expense.
2. The rise of bombing fish around sea Island Ra'as Ketupat Village is also one of the factors that cause a lot of damage to coral reefs.
3. The natural potential is limited, of course, the potential limitations of nature that is the absence of bedrock that makes society resorting to coral reefs are the cause of damage to coral reef ecosystem that existed in the village of Ketupat Ra'as Island.

D. Social and economic description of the village Ketupat Island Ra'as

In the introduction to the coral reefs to the children who can maintain the existence of the coral reefs in the village of Ketupat Ra'as Island will not materialize for granted but should also through awareness of some individuals in advance to keep coral reefs still exists and can still be a home for fish and other marine life. Some steps that can actually be done by individuals who are aware are as follows:

1. Look for people who are well aware that the reefs are still badly needed by other marine life and are not supposed to be the foundation of the building and then can form some sort of group or community.
2. After the community formed the new could be done the next step that is drawing up a strategy to keep coral reefs and one of the things that must be done is to introduce coral reefs to the children in the village of Ketupat Island Ra'as.
3. In addition to the awareness of the members of the community would of course also required an awareness of several influential parties in the village of Ketupat Ra'as Island as the councilor who surely consist of the characters society and also the teachers who can also help introduce coral reefs to its students when teaching.

Of the few steps that are expected of coral reefs in the village of Ketupat Ra'as Island can continue. Individuals who are aware of and willing to keep coral reefs through action then it can be considered as an act of work rational that is social actions are pure. In this action, the actor not merely judging a good way to achieve the goal but also determine the value of the goal itself [5]. So the individual or group who does the introduction of coral reefs to children has the goal of keeping coral reefs remain awake and these goals must have a value in it.

Until recently the actual introduction of the coral reefs to the children in the villages there is no wave-shaped island of Ra'as good socializing or learning in school. Thus in fact required the synergy of several parties in the village of

Ketupat Ra'as Island so that the introduction of the coral reefs to the children can be realized as soon as possible, because the faster introduction of coral reefs to the children do then keep the existence of coral reefs would also be realized more quickly and done.

That's something that actually needs to be done in the village of Ketupat Ra'as Island other than in a manner that may have already been planned by the government and it can also be made in areas that are experiencing the same thing that happened in the village Ketupat Ra'as Island, things that can be done is to find a way that coral reefs can still keep its existence though with the State Government as well as the community support will be less so. At least it still can be done as long as there are people who are aware and want to convert others that coral reefs have many uses and must remain guarded.

IV. CONCLUSION

Coral reefs need to be preserved because of its coral reefs has many functions to humans because it can be a natural fortress at sea as well as for fish and other marine life that will also be important for human beings for commercial use or for other things. To keep the existence of the coral reefs in small areas is not necessarily wait for help or assistance from the government and there should be the ability that moves from within the community itself. Although people are aware of the importance of the new coral reef a few illegal but will at least be a way to convert others as well. Be it by way of socializing or other that do not have to wait for a government that hands down. The introduction of coral reefs to the child is expected to be one of the solutions even though it takes a long time but it can be a long-term solution also in keeping the existence of the coral reefs in the village of Ketupat Ra'as Sub District Sumenep or elsewhere who are experiencing the same situation. Abbreviations and Acronyms

Define abbreviations and acronyms the first time they are used in the text, even after they have been defined in the abstract. Abbreviations such as IEEE, SI, MKS, CGS, sc, dc, and arms do not have to be defined. Do not use abbreviations in the title or heads unless they are unavoidable.

Based on the conclusions above, the proposed suggestions formulated as follows. Marine biota and Fisheries Agency of Sumenep Regency, as well as knowledgeable parties, recommended that can help arouse the public will important coral reefs and find a way out to replace the foundations of buildings that had made from coral reefs can be replaced with anything else. As well as advice to the community was already aware of the importance of coral reefs to keep carrying out what was done to safeguard the sustainability of coral reefs in its own way and should be demonstrated to others anyway.

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