Nurmala et al_The Impact of Mangrove Restoration on the Social Economy of the Community of Batu Pa

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Submission date: 19-Oct-2023 11:30AM (UTC+0200)
Submission ID: 2200595287
File name: storation_on_the_Social_Economy_of_the_Community_of_Batu_Pa.docx (1.78M)
Word count: 11309
Character count: 60519

The Impact of Mangrove Restoration on the Social Economy of the Community of Batu Panjang Village, Rupat Island, Riau Province

ABSTRACT

Mangrove restoration is an effort to restore degraded mangrove ecosystems with the aim of increasing environmental sustainability, biodiversity conservation and providing social and economic benefits for the community. This research aims to determine the extent to which mangrove restoration can influence the socio-economic life of the community in Batu Panjang Village, Bengkalis Regency. The research method used is descriptive qualitative by systematically analyzing and processing data based on the results of observations and interviews with farmer groups, village officials and stakeholders in Batu Panjang Village. The results of this research show that restoration activities provide (1) a positive impact on increasing community knowledge and understanding regarding the function and role of mangroves in coastal area conservation efforts, (2) community empowerment has been carried out by forming a farmer group, namely the Jeram Batu Panjng (JBP) group. and the STYA group which plays a role from the land clearing stage, to the planting stage, (3) but has not yet provided/shown a significant impact in increasing income which will affect the social and economic conditions of the community in Batu Panjang Village, Rupat District. This is shown by the research results that the income earned by the community from mangrove restoration activities from the land clearing stage to the planting stage is only around IDR 475,000 on average, still far below the Bengkalis Regency Minimum Wage of IDR 3,599,029.72.

Keywords: *Coastal areas, mangrove restoration, community empowerment*

INTRODUCTION

Indonesia is the largest archipelagic country in the world with 17,506 large and small islands. Indonesia's total coastline is estimated to reach 81,000 km, therefore Indonesia is also the country with the second longest coastline in the world, after Canada.2 With such a long coastline, Indonesia has a coastal area, which is a fairly large transition area between land and sea. This coastal area has unique characteristics such as mangrove forests, coral reefs and estuaries whose ecosystems face directly the crashing waves and the dangers of coastal erosion. Marine and coastal areas are very important areas for the majority of the Indonesian population. More than fourteen million people or around 7.5% of Indonesia's total population depend on activities in this area. Around 26% of Indonesia's total Gross Domestic Product (GDP) is contributed from marine and coastal activities and resources.3

Apart from that, coastal areas are also widely used as residential areas. Ironically, the pressure on coastal areas today is very heavy along with the increase in population and rapid development. Abrasion that occurs in coastal areas, apart from being caused by large waves, is also often caused by reclamation of coastal areas because these areas are strategic areas for the development of fishing, aquaculture, industrial and residential activities. Abrasion will get worse because there is no natural protection (green belt) due to uncontrolled felling of mangrove forests along the coast for other reasons, especially for clearing aquaculture areas and utilizing mangrove wood to meet the need for building wood and firewood (Dian Cahyaningrum, 2011).

Mangrove forests are a type of forest that grows in tidal areas, especially sheltered beaches, lagoons and river estuaries that are flooded at low tide and whose plant communities tolerate salt. The area of mangrove forests in Indonesia in 1999 reached 8.60 million Ha and around 5.30

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