

THE ROLE OF COASTAL AND SMALL ISLANDS ZONATION PLAN FOR MANAGEMENT OF MARINE PROTECTED AREA: THE INDONESIAN CASE

Budy Wiryawan¹⁾, Audrie Siahainenia²⁾, Amiruddin Tahir¹⁾, and Nina Dwisasanti³⁾

¹⁾ Faculty of Fisheries and Marine Science, Bogor Agricultural University, Bogor

²⁾ World Wildlife Fund for Nature Indonesia

³⁾ The Nature Conservancy Indonesia

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ABSTRACT

The expansion of coastal and small islands resources utilization and the increasing need to meet international and national commitments to biodiversity conservation have led to an enhanced interest in zonation plan as a tool for integrated coastal management. The Berau Regency in East Kalimantan, Indonesia, has a local initiative and driven by National Law No.27/2007 taken global leadership in implementing of Berau Marine Protected Area. This paper will discuss the Berau Marine Protected Area experiences with zonation plan. It will give a short historical overview based on legal developments and review the implementation process of a zonation plan as a spatial management policy for the Berau Marine Protected Area. Additionally, this paper will reflect on the research that has been carried out in the study area to apply a spatial and conservation planning approach to the coastal and small island environment. The zonation planning process in Berau shows that a spatial approach to coastal and small islands management is possible despite the lack of a legal zoning framework. However, it concludes that a legal basis for zonation plan in the future would provide a more strategic and integrated framework for ecosystem-approach for fisheries and coastal and small islands management.

KEYWORDS: marine protected area, zonation planning, coastal, small islands

INTRODUCTION

Management of coastal areas and small islands, as mentioned in article 5 of National Law No.27/2007 includes the planning, utilization, supervision, and control of human interaction in the use of coastal resources and small islands and sustainable natural process in an effort to improve public welfare and maintaining the integrity of the Republic of Indonesia.

Coastal and small island zonation plan, as stated in article 7 of National Law No.27/2007 comprising 4 types of planning, which are a) coastal and small islands zone strategic plan, b) coastal and small island zonation plan or, c) coastal and small islands zone management plan or, and d) coastal and small islands zone management plan of action.

Berau District, one district in East Kalimantan Province, has coastal areas and small islands. In order to implement the coastal management planning and small islands as mandated by Law No.27/2007, the government initiated the preparation of Berau district of coastal area planning and zonation of small islands in Berau District.

The coastal and small islands zonation plan of Berau Regency consist the directive about spatial

allocation within public utilized zonation plan, conservation zone plan, particular national strategic zone plan, and pattern plan; and the interconnection of coastal and small islands ecosystem within the bioecoregion. Planning of Berau Regency's zonation planning is undertaken by considering 1) suitability, conformity and balance with the environmental carrying capacity, utility and protective function, time and space dimension, technology and socio cultural dimension, and the function of security and defensive capacity, 2) integrated utilization of various resources, function, environmental aesthetics, and coastal land quality, and 3) the obligation to allocate space and access for the society in utilizing the coastal and small islands zone which governs social and economic function. Thus the Berau Regency's zonation planning is meant to resolve the conflicts of authority the conflicts in resources utilization and governing the utilization of coastal and small islands resources in the long term, organizing the spatial dimension of coastal and small islands resources management and development within a particular time frame. The zonation planning also contains the directives for planning and utilizing each zone of sea water, coast and small islands.

The objective of Berau Regency's zonation planning is 1) spatial allocation of coastal and small