ABSTRACT

SADIKIN AMIR. Mitigation-Based Optimization for Coastal Tourism in Small Island (Case of Gili Matra Lombok Utara District, West Nusa Tenggara Province). Under supervision of FREDINAN YULIANDA, DIETRIECH G.BENGEN, and MENNOFATRIA BOER.

The increasing tourism activities magnified by uncontrolled land use patterns have caused coastal ecosystem degradation in Gili Matra. A research on evaluation of land use patterns and optimization of coastal tourism based on a mitigation approach has been done in the area. Research results showed that size of area including in a very suitable category for diving activity were 216.79 ha; 190.84 ha for snorkeling activity; and 19.83 ha for beach tourism. Based on carrying capacity analysis, the area could support maximum 286 tourists per day or 104,390 tourists annually. Mitigation approach in optimization indicated that the maximum tourist number in the area can only be reached if all aspects of carrying capacity namely ecological, economics, social and institutional aspect are well considered.

Optimization of coastal tourism consisted sustainability of coastal ecotourism resources, increasing economic condition of local communities, and increasing of tourist visits in Gili Indah areas. Furthermore, the optimization can be attained by integrating the four aspects of management through applying the following two strategies: (a) integration of coral reef conservation, betterment in coastal tourism products prices policy, diversification of coastal tourism activities, increasing in local community participation, and adequate supporting infrastructure availability, and (b) optimization of attractive coastal tourism either for areas which were suitable with Gili Indah potential, and for the areas which had potential to be alternative for coastal tourism in relation to the existence of coral reef ecosystem, optimization of unmanaged cultural tourisms, and maintaining existing coastal tourism in Gili Indah.

Key words: coastal tourism, carrying capacity, optimization, mitigation