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ECOLOGICAL AND ECONOMIC ANALYSIS
OF SEAWEED MARINE CULTURE (Case Study South Konawe Regency)

Irmadi Nahib
Geospatial Information Agency (BIG),
Jl Raya Jakarta Bogor Km 46 Cibinong West Java Indonesia
Tel : +62 21 87906041

Abstract : One of the potential coastal areas for seaweed marine culture development in Southeast Sulawesi is South Konawe Regency, “ minapolitan regency”. Seaweed is one of the commercial marine culture commodities that people in the coastal areas. Seaweed marine culture is growing rapidly in South Konawe Regency, because the technology is relatively simple and easily adapted and able to improve the welfare by fishermen. In an effort to support the development of seaweed marine culture in South Konawe, it is necessary to investigate the suitability of water for the seaweed marine culture. The method used are geographic information systems method and economic analysis. The results showed that the coastal waters of South Konawe were 10,751 ha classified as suitable, 25, 611 ha classified as suitable conditional, and 70, 736 ha classified as not suitable. The economic analysis shows that seaweed marine culture should be developed with benefit cost ratio of 1.85 and a payback period of 0.67 years.

Key words : seaweed, ecological, economic, analysis,