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Effectiveness Study of Scrap Material Used for Nursery Racks at Coral Transplantation Program in Makakata Beach - South Batui , Banggai Regency - Central Sulawesi
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Abstract

Coral transplantation program is a biodiversity-environmental programs of JOB Tomori that had started since 2010. A total of 9600 coral seedlings were successfully planted and bred to improve the coral reefs condition around JOB-Tomoris field of operations and succeeded in increasing about 9250m2 of the coral reefs area. Some innovations programs, more effective and beneficial, had been carried out. One of it was by using scrap material from remain construction and production activity such as iron scrap, steel packaging, and others for creating nursery racks in Makakata Beach while in Tiaka field by using the new material. The effectiveness of the rack was analyzed by looking at 1) the coral seedlings survival rate and 2) the cost effectiveness. Results showed that Makakata coral transplantation program had a lower survival rate (about 60%) but more effective in term of cost effectiveness (75%) compare to Tiaka Field. The Makakata transplantation program also resulted an additional benefit, such as in increasing communitys knowledge and income through Ecotourism and Education program.

Keywords: Coral Transplantation, Survival Rate, Cost effectiveness, Biodiversity

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