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Mapping mangrove based products to support small entrepreneurship activities for indigenous communities at Bintuni bay West Papua Province.

Abstract. Bintuni bay district is one of thirteen sub-districts in West Papua Province and has the largest mangrove areas in this province compared to the others. Majority mangrove resources at this district is primary forest, and has been officially declared as National Park dan conservation area. Massive development in Bintuni bay district for land conversion, agriculture expansion, human resettlement, oil-gas exploration, and other local and central government programs lead to the disturbance of this fragile resources and ecosystem. Local communities are heavily relied on and highly dependent on mangrove resources for their daily necessities of foods, income generation, shelter, and sources of many intangible goods. In order to optimizing the sustainable utilization as well as conservation and mangrove protection conducted by the local and indigenous communities, mapping on any feasible and derivative products from mangrove are highly recommended and needed. This research is designed to identify and mapping various feasible mangrove based products developed using small entrepreneurship scheme for local communities at Bintuni bay district. The results indicated that mangrove based products could be derived from their leave, fruits, barks, branches, trunk, and roots. Mangrove forest services provide various perspective from ecotourism, Eco education, educational parks, sanctuary, and mangroce research centre. Mangrove ecosystem could be managed to develop many fishery products of crab, shrimps and others.

Keywords: mangrove based products, small entrepreneurship, indigenous communities, Bintuni bay