

## Struktur dan kekayaan jenis tumbuhan mangrove pasca-tsunami di pulau Nias=Structure and species richness of mangrove plant post-tsunami in Nias Island

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### Abstrak

Mangrove is an essential natural resources and vital component for coastal areas both ecology and socio-economic. Adapted mangrove vegetation on tsunami disaster is important information for mangrove rehabilitation post-tsunami. The aim of the research was to determine the structure and species richness of mangrove vegetation post-tsunami in Aceh and Nias Island by vegetation analyses and inventory methods. Field survey was carried out in March 2005 - three months after tsunami disaster. We found 20 adapted mangrove species post-tsunami in Nias Island, dominated by *rhizophora apiculata*. Land system of KJP was compound of 17 adapted mangrove species, and land system of PTG and KHY were each compound of 7 adapted mangrove species. Based on our research, we recommended that *R. apiculata* is the first priority species to be used for mangrove rehabilitation in Nias Island