

Industrial Ecosystem Modeling of Wooden Fishing Boat Building In East Java, Indonesia

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Abstract

Traditional shipyard in East Java Indonesia has produced lots of wooden fishing boats. However, the sustainability of its production process has not been yet discussed. In this study, we aimed to investigate how the model of industrial ecosystem on wooden boat building. We surveyed to the traditional shipyards and interviewed the owner and project leader. We also discussed the activities of sustainable supply chain to support the industrial ecosystem. Finally, some recommendations are proposed to support the regulations on environment, social, and economics sector.

Key words: industrial ecosystem, wooden fishing boat, sustainability, supply chain