ABSTRACT

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**Key word:** Bamboo Research and Technology Development Center Design in Malang Regency, Focus on Material, Bamboo

Indonesia is one of a country which have a excessive number of biodiversity, one of them is bamboo plant. The spread of bamboo in Indonesia is ranked number three in the world after India and China. From approximately 1500 identified bamboo types, 147 of them is originally Indonesia. The amount of the potential should be able to harnassed into its maximal value due to their function as a multi purpose material. But most of the society still assume that bamboo identical with poverty material. Therefore, the need of bamboo knowledge expansion is highly required to raise image of this special material. To support those idea, it is necessary to provide facility which capable to accommodate all of bamboo related activity.

This Bamboo Research and Technology Development Center Design have three main function as bamboo conservation, preservation and construction place which integrated in one design location. The theme taken from focus on material which in brief explanation means optimalization of bamboo material in design so that somebody would expected to visit and learn it. The appointed theme is bamboo flexibility value based from its physic and mechanic nature and also bamboo unique rate that all of those applied in design from the site up to the design concept.