

**PRELIMINARY STUDY ON BOARD FROM OIL PALM TRUNK WITH
DENSITY OF 600KG/M³ AT 7% RESIN CONTENT**

By

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ABSTRACT**PRELIMINARY STUDY ON BOARD FROM OIL PALM TRUNK WITH
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Oil Palm Board (OPB) is a new type of wood composite. It is a new product to improve the wood industry. OPB was manufactured by using material substances from oil palm tree or the scientific name is *Elaeis guineensis* Jacq. For manufactured of OPB, we are using the oil palm trunk for get the material substance. This study shows that the wood parenchyma and vascular bundle at the oil palm trunk, which can give affect to the board.

For the manufacturing, it is similar the OSB manufactured. It can convert to each other in each layer, which each layers is perpendicular to another. It also consists of three layer parts, which it is face, core and back. The forming technique that is used in OPB is similar with OSB forming technique. While, the Phenol Formaldeyde (PF) is the resin that are used in manufacturing OPB. As a conclusion, oil palm trunk is not suitable for making the OPB.