

***(Comparison of Cost and Time Wooden Boards Formwork, Plastic, and PVC Boards in
Highest Building Construction. (Case Study : Menara Pertiwi Project))***

ABSTRAC

ANDHIKA PRASTIA. Comparison of The Cost and Time of formwork made of wooden planks, plastic and PVC in building construction (Case Study : Menara Pertiwi Proect).

The use of formwork in the process of a building have many function, generally in Indonesia using the formwork made of wooden planks. The effect of using wooden plank as the manufacture of formwork is very bad including the destruction of forest, waste disposal, and increasingly high prices of basic commodities caused by increasingly difficult to locate that manufacture. This research was made to find an alternative to replace using wooden plank as basic materials manufacture on construction of multistorey building.

This research was conducted in Menara Pertiwi Project which located in Mega Kuningan, Jakarta, Indonesia since November 2015 until January 2016. This research was used 3 comparative materials such as wooden plank, plastic, and PVC. As for the material aspects of the comparison is in terms of time and cost.

By calculating the unit price, the time of reservation until the time of execution and the lifetome of each manufacture of formwork, it is known that the form work which is made of PVC is the most efficient in terms of price and time of installation.

Keyword : formwork, cost, time