

## Perubahan teknik produksi, penyerapan, dan produktivitas tenaga kerja di sektor industri pengolahan kayu Indonesia : 174 - 1989

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### Abstrak

The striking large investments in the wood manufacturing industry especially after the oil price provided by the increases in oil revenue, in its turn will change the production technology has been used by this industry. This changes, undisputedly will have a profound impact on labour absorption and labour productivity. The wood manufacturing industry has been the focus on this thesis since most of the studies on wood manufacturing industry in Indonesia until the time being, were mostly laying the stress on their production capacity and export performances. Less attention or studies has been undertaken in discussing the production technology and its impacts on labour absorption and labour productivity which are accounted to be one of the most important factors for success in increasing export performances. The study objectives are: the production capacity as well. Specifically, the objectives of the study are as follows: 1. To review the changes and trends of production techniques in the wood manufacturing industry. 2. To estimate the changes in labour absorption or its employment elasticity. 3. To estimate the value of the elasticity of substitution in this industry. 4. To estimate the changes in labour productivity in this industry. Based on the past experiences and previous studies discussing the similar topic, the study in this thesis also utilizing the Constant Elasticity of Substitution (CES) production function as a theoretical background of the analysis. The labour demand function and labour productivity were derived from the CES production function. The economic parameters of these functions were estimated after changing its mathematical forms into its statistical regression models. By evaluating the capital-labour ratio ( $K/L$ ), it can be concluded whether the wood manufacturing industry tends to be capital intensive or vice versa.