

**Audit Energi Dan Peluang Penghematan Energi Di Pabrik Rayap Kebun  
Renteng PTPN XII** (*Energy Audit And Energy Saving Opportunities In Pabrik  
Rayap Kebun Renteng PTPN XII*).

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**ABSTRACT**

*Energy is an important factor in the operation of an industry, especially a hospital. Energy management is carried out through several stages, the first step taken is to carry out an energy audit. In this study Energy Audit was conducted at Pabrik Rayap Kebun Renteng PTPN XII. The purpose of this study was to determine the value of IKE (intensity of energy consumption) of buildings in Pabrik Rayap Kebun Renteng PTPN XII. The method used in this study is observation of literature studies and energy conversion. Energy Consumption Intensity (IKE) value at Pabrik Rayap Kebun Renteng PTPN XII is 49.06 kWh / m<sup>2</sup>per year. The opportunity to save energy can be done by replacing a 45-watt CLF lamp to a 28-watt LED light by not reducing lighting and fixed flame hours. Cost savings of Rp. 6.679.662,2 / year.*

*Keywords: Energy Consumption Intensity (IKE), Energy Audit, Energy Saving Opportunities (PHE).*