

ABSTRACT

Electric Energy is very important in Hotel industry. It support in Hotel The Papandayan Bandung operation. This equipment for instance air conditioner consume electric energy. Electric energy of air conditioner consuming reach 60%. It is one of energy extravagance.

To resolve that problem efficiency energy used. One of method efficiency energy is conservation energy. Conservation energy is efficiency energy raising or energy proceed. In this process, audit energy is one of method to calculate Intensity Consume Energy (ICE) at one particular building.

In energy audit The Papandayan Bandung seen that electrics energy consumption is most dominant. As according to percentage of energy consumed composition in this fair matter hotel where electrics can reach 91 % from total energy consumption,

As according Preliminary Energy Audit seem that The Papandayan Bandung Intensity Consume Energy (ICE) can reach 313,186 KWH / Year is standard reach 300 kWh/m² year. As according Detailed Energy Audit,

Intensity Consume Energy (ICE) is 246,526 KWH / Year. Economical Opportunity of Energy (EOE) in this audit energy is cleaning FCU and repairing plumbing FCU and AHU. It is consist of cleaning filter, fan, evaporator fin, and grill. Second Economical Opportunity of Energy (EOE) is setting Leaving Chilled Water Temperature (LCWT) in chiller.

From result of calculation of IKE after implementation PHE, its value still high enough so that the effort thrift still must be done