ABSTRACT

Final Project: Analysis Development of Madura Steam Power Plant With Capacity 2 X 200 MW As PT.PLN 10,000 MW Program to Prevent Electricity Needed in Madura Island

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Along with the increasing number of population and industries in a region, then the electric energy demand is also increasing. With the increasing demand for electrical energy, it is necessary to set up new plants. So the government issued a policy about diversification of electricity by total capacity about 10,000 MW phase II which is set on August 27, 2010 through the Minister of Energy and Mineral Resources Regulation No. 15 of 2010. This policy contains the assignment to PT.PLN to build 93 power projects using coal, water, gas and geothermal and also arrange the purchase of electricity from the private sector. One plant that is planned to be built is Madura steam power plant with capacity 2 X 200 MW. It is expected with the construction of this plant will prevent demand for electricity on the Madura Island.

Keywords: electrical power crisis, power ability, steam power plant