ABSTRACT

Since the independence of Indonesia until 2007, electric power in Indonesia only reached the number of 25,000MW. Hence, national building and development has not run optimally, due to electric power crisis. In order to answer this problem of crisis, the government of Indonesia is encouraging the cooperation between PLN (National Electric Company) and Independent Power Producer (IPP) to provide electricity. The program was 10,000 MW Power Plant Development which is going on currently. One of energy resources which has a large potential for electricity is steam power based on coal firing. Indonesia posses coal resources of about 104,76 billion ton. The biggest deposit is lain on Sumatra (50.1 %), followed by Kalimantan (49.6 %).

East Kalimantan is a region that has a very good coal production potential in Indonesia. In the other hand, this region is experiencing a significant population and economic growth which in turns demand on an electric power development and growth to support these improvement and progress.

Therefore, PLTU Embalut power plant was developed to utilize the region potential of coal mining in such a way that the demand for electric energy, particularly in East Kalimantan can be fulfilled properly.

Keywords: electric energy, coal, PLTU Embalut, Independent Power Producer, regional electricity rate,
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