Current electricity demand is still concentrated in Java-Bali region which absorbs around 77% of electricity needs. Electricity demand growth is very fast on the island of Java has resulted in lack of reserve power. Reserve margin is only 16% make electrical conditions in Java becomes unhealthy. Therefore planned ways to cope with the interconnection of gas and interconnection sea HVDC cable 500 kV 6000 MW Kalimantan-Java. Both ways will be compared and analyzed the technical aspects, economic aspects and environmental aspects. Then be determined which way the most secure, effective and efficient to meet the electricity demand in Java. The end result of this analysis is the electrical interconnection with HVDC sea cable is 500 kV 6000 MW between Kalimantan to Java is a more appropriate solution, and is expected to overcome the problems of electricity on the island of Java.

Key words: Gas Transmission, HVDC
(Halaman ini sengaja dikosongkan)