Abstract

From the East Java daily load curve characteristic, we can see there is a significant difference between Peak Load Time and Out Peak Load Time in East Java, which make inefficiency in system operations.

The Demand Side Management is a quite effective way to increase the electricity efficiency. This strategy can give some advantages like reduce the electricity demand at peak load period, increase electricity consumption at off peak period, even give decrease electricity bill to the customer. However it is necessary to consider some criteria which can affect the suitable DSM programs to applied in East Java Electricity Distribution by using Delphi AHP method.

From this research the strategic alternative based on the criteria from Delphi Method is to use the CFL lamp (compact fluorescent lamp) than the other lamp for the public customer

Key words: DSM Programs, Delphi AHP, East Java Electricity Distribution.