ABSTRACT

The electric power can not be stored in a huge scale, but this source of power should be ready when it is needed by user. Problem arise when the needed of electric power is always fluctuate from time to time. Because when the supply of electric power is too bigger than the user demand the result is an energy wasted and for vise versa, user will be disapointed. So, supply of power and demand from user should be met to minimize loss from both side.

Method that will be used to resolve this peoblem is NEFPROX. It's training process needs short time and easy to know how this method makes a conclusion.

The experiment used 60 days of traininng set, 7 days of validation set, and 7 days of test set. The experiment will be twice. 24 – 51 rules were produced from 60 days of training set. In the first experiment MAPE that was issued is 1.8023 %, and in the second experiment MAPE that was issued is 2.2960 %.

Keyword : NEFPROX, rule base, training set, validation set, test set, MAPE