

## **ABSTRACT**

Indonesia is one of the countries that produce energy sources that are formed from fossil or non- fossil . Sources of fossil energy that is created is not something that can be easily recycled which cause the energy crisis in the future . The energy crisis when the need predictable because it can affect the Indonesian economy . Prediction of fossil energy crisis in the future can be done by looking at the pattern of energy production and consumption in Indonesia . To find these patterns , we need a model that is quite stable against changes due to the rise and fall of production and consumption can happen quickly . Therefore it takes a neural network algorithm that is stable learning model to changes in the pattern of the fast period . These models produce the output of the predictive value of production and consumption in the future which will be grouped if the index classified as a crisis or not .

**Keywords:** energy crisis, neural network