Abstract
Technological developments are now demanding to keep up with the changing times. One of them is trading on online transactions. An online store can sell various types of products such as electronic products, toys, even automotive products. With digital transactions many buyers want to know how reviews about items sold in online stores from buyers who have previously purchased the item. The number of reviews provided by consumers raises the review data for a product in the online store and becomes very large. To perform a large data classification required an automated system. In this study, the system was built using Back-propagation Neural Network method to classify the review data. The results obtained with the highest accuracy are the number of hidden layers: 1000, epoch: 400, and learning rate: 0.2 with an accuracy of 60%. For testing without using stopword removal process obtained with the highest accuracy with the number of hidden layer: 1000, epoch: 400, and learning rate: 0.2 with an accuracy of 56.7%. This is because the stopword removal process can reduce noise in a data and speed up the classification process.