

Abstract

As the current era develops, the development of urban transportation in Indonesia is very interesting, especially in the city of Bandung. City transportation is used by people who do not have private vehicles to carry out daily activities such as going to work, going to school, and traveling to a desired place. Generally, city transportation is also used because the fares given are quite affordable. By using the Global Positioning System (GPS) on city transportation, we can find out the coordinates of city transportation locations. In this study using the Support Vector Machine (SVM) method. This method is used because of previous research, SVM produces a fairly good accuracy value compared to other methods. SVM can help improve system performance and look for relationships between urban transportation and existing congestion. The amount of data used in this study was 35320 data. From the test results, the SVM classification method produces an accuracy rate of 98%.

Keywords : *Traffic Prediction, City Transportation, GPS, time series data, SVM.*
