

## **ABSTRACT**

*Congestion is a problem or a state of stagnation or even cessation of traffic caused by the number of vehicles that exceed road capacity, accidents, and community activities. To minimize this problem, people exchange information about social media, one of which is Twitter.*

*One Twitter account that provides information about traffic is @TMCPoldaMetro, @lewatmana, @radioelshintta, and @sonorafm92 accounts. Each account is informed through tweets about congestion conditions in DKI Jakarta from morning to night, then can be done data mining analysis to determine the pattern of a particular data.*

*In this study, a congestion classification system was established in DKI Jakarta with one of the data mining techniques, namely rank. By using one method of Vector Machine support, congestion data taken from the Twitter account will be processed and then used as the basis for predicting the next bottleneck that can happen. Then, from the results of ten times performance testing with different training data in each test, each accuracy result is obtained, the first test with training data is 74.95%, the second test with training data is 75.15%, the third test is with training data is 75.07%, the fourth test with training data is 75.3%, the fifth test with training data is 75.26%. Can be concluded, the more the amount of training data used, the better the level of accuracy.*

*keywords: jams, Twitter, data mining, Support Vector Machine*