ABSTRACT

Social media has an enormous amount of information that people can enjoy. Social media such as Twitter, Facebook, Google+ and WhatsApp are some of the social media used for communication purposes, users can share or post ideas, thoughts, feelings, suggestions and even ongoing personal events. The issue of traffic conditions is something that can not be separated in big cities like Jakarta.

In this Final Project research, a road congestion mapping system in Jakarta was made and the selection of the best path that can be passed by the user. Congestion data was taken from Twitter's social media because of the many tweets on Twitter that stated the traffic situation in Jakarta. Based on data obtained previously by crawling on Twitter. This C4.5 method converts very large data into decision trees that present rules. The location obtained will be mapped according to the results of the classification. Furthermore, the classification will be tested using a data partition with confusion matrix. The results of this study showed 72% accuracy, 79% precision and 98% recall, with 70% training data and 30% test data.
Keywords: Congestion, Data Mining, Classification