ABSTRACT

Heavy traffic flow often causes traffic jams on busy roads by vehicles. The increase in the number of local population and vehicle production is increasing rapidly is one of the factors causing congestion. Especially around the area of Bandung which made the place overseas. In forecasting short-term traffic flows, the observation time interval is very short usually not more than 30 minutes. For very short intervals, traffic flow data shows high complexity, randomness, and gratitude. For that we need a traffic forecasting that can be bypassed by Artificial Neural Network approach (ANN). One example of the ANN method is the Radial Basis Function (RBF) method. The basic radial neural artificial neural network (RBFNN) is an ANN that has three superior feed-forward layers in approach capability, coverage, and learning speed. Research using the RBF JST method is forecasting short-term traffic flows on Jendral Sudirman Street, Asia Afrika Street, Jendral A. Yani Street, Ujung Berung High Street, Soekarno Hatta Street, Dr. Djunjunan Street, Pasteur Street, Cikapayang Street, Surapati Street, PHH. Mustofa Street in Bandung.

Keywords: Short-term forecasting, Neural Network, Radial Basis Function.