

Abstract

In Intelligent Transportation System (ITS) subsystem artificial intelligence tested to find the condition of traffic flow. The artificial intelligence system created using Tsukamoto method. Artificial intelligence system that had been created, it tested on two different street that have different condition of traffic flow. it had to do to find the accuracy of information of the artificial intelligence system that had been created. The result of the test of Artificial intelligent system that had been created using Tsukamoto method on the 2 different street condition, showed that first condition has output about fluent and smoothly crowded and second condition has output about heavy and very heavy. the different of the output information due to average defuzzification value of first condition higher than average defuzzification value of second condition.

Keyword : *Intelligent Transportation Systems (ITS), Fuzzy Logic, Tsukamoto method.*