

Abstract

Fuzzy logic is a methodology of “counting” with variable words (linguistic variables), instead of counting the numbers. Fuzzy logic can be used to predict a situation that will happen by looking at behavior – behavior that has ever happened before. In addition, fuzzy logic can be used as an alternative o the decision to someone in taking a decision in a problem. Therefore expected method of fuzzy logic can be used to obtain the solution in accordance with the decision support sistem design problem of motor vehicle production, especially sales of motorcycles

System is used for predict the sales of motorcycles are derived from a combination of the number of units of motorcycles and the number of existing marketing staff at PT. Aneka Jasa Motor in each month. Expected result is a sistem designed to produce decisions that can help users in taking a decision.

Testing is done by examining the accuracy of Fuzzy Inference Sistem (FIS) on motorcycle sales data with data predicted results sistem. Also tested the influence of boundary membership functions and fuzzy rules to the level of sistem accuracy.

Keywords: Fuzzy Logic, Motorcycles, Fuzzy Inference Sistem (FIS) Mamdani.