

The Performance Analysis of Civil Servant using Fuzzy Inference System – Sugeno Method in Department of Population Tomohon

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ABSTRACT

Employee performance assessment is a way to know the quality of work performed by employees. This research was conducted to analyze the performance of existing employees in the Department of Population in Tomohon City by using Fuzzy Inference System Sugeno Method. Fuzzy model used the Sugeno fuzzy model order one. The process by doing subtractive clustering to form membership functions and generate cluster centers and sigma, and the clustering of subtractive fuzzy inference system will be established to create a rule. Overall analysis and variables is processed by using Matlab R2013a application assistance. In this research, the establishment of rule divided into two, namely staff and managers. Staff have four rules, while managers have five rule.

Keywords

Assesment Performance, Fuzzy Logic, Fuzzy Inference System Sugeno Method.