

EMPLOYEE SALARY EQUATION SYSTEM USING THE FUZZY MAMDANI METHOD

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ABSTRACT

Every job in a coffee shop has a salary. Salary is a form of reward or appreciation given periodically to employees for their services and work results. Salary is often also referred to as wages, both of which are a type of reward and compensation for services routinely performed by an employee for the work they do. The Fuzzy Mamdani Method is one part of the fuzzy reasoning system and Fuzzy Inference System which helps to draw conclusions or the best decision in uncertain problems. This research data was obtained from the IN'DA warkop in Makassar. In the research data obtained, there were 8 employees who worked at IN'DA Warkop. The data will be converted into fuzzy form by inputting values into the system with the contents of the data obtained. The input value for the criteria for Length of Work is 8, Experience is 8, and Dependents are 4. With the output or results of fuzzy mamdani calculations, the employee receives a salary of 2.21 million rupiah. The results of this research show that the salary output provided by warkop IN'DA to its employees is good and not far from the warkop minimum wage or salary. These three variables greatly influence the final calculation results. The system that has been created is quite good because the result of MAE is 0.5675 and the result of MAPE is 36.72%.

Keywords: Employee Salaries, Fuzzy Mamdani, Equalization.