

FUZZY TSUKAMOTO MODEL APPLICATION SYSTEM FOR OPTIMIZATION OF EMPLOYEE SALARY DETERMINATION

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ABSTRACT

Every company, agency, organization or business entity will provide wages or salaries to its employees when they provide services to the company. Wages or salaries are payments for employees who have worked for a month. Usually, institutions or companies provide unfair wages or salaries to their employees. What the company should do is determine the criteria for providing wages or salaries. This processing has actually been carried out for a long time, but its implementation is sometimes still very simple and can only solve problems such as very simple calculations. In fact, there are still many companies that carry out payroll in a very old fashioned way, namely using old employees and new employees. If they have not been there for many years, their salary will be in accordance with the minimum wage or could even be below the minimum wage. By using fuzzy logic, calculations can be determined using several stages to get accurate results. One of the fuzzy logic methods used is the Tsukamoto method, where this method has an output in the form of a firm value. To determine the salary, data is collected in accordance with the criteria studied. The researchers collected data from PT Telefast Indonesia Tegal branch through the company's HRD, by visiting the company and asking permission from the company leadership which was continued through HRD for the data needed. The input values from the education, absenteeism and dependent criteria will produce an output in the form of the salary earned by the employee. The system that has been created is good because the result of MAE = 0.1533 and the result of MAPE = 8.070175%.

Keywords: Fuzzy Tsukamoto, Salary, Company.