

IMPLEMENTATION OF FUZZY TSUKAMOTO IN THE DECISION SUPPORT SYSTEM OF ELIGIBILITY DETERMINATION OF PROSPECTIVE EMPLOYEES

(Case Study: PT. Janu Putra Barokah Klaten)

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ABSTRACT

The development of PT. Janu Putra Barokah Klaten, the need for a reliable workforce or human resources increases so that the selection process for new employee candidates will increase. Based on interviews and observations in terms of sorting out the selection test results for prospective employees at PT. Janu Putra Barokah Klaten still uses a manual selection system to recap all test results with a procedure for matching all tests. So it takes a long time and is less effective. Another problem is that there are still many acceptances based on a person's subjectivity factor. These problems become obstacles, thus affecting the effectiveness of the company's HRD performance. Therefore we need a decision support system that can assist in determining the feasibility of a series of tests conducted by job applicants. This system is designed using the implementation of the Fuzzy Inference System using the Tsukamoto method. This method applies variables as supporting data which includes specific criteria that become criteria in the assessment. Then an assessment process is carried out that will produce the best alternative candidates for employees. The process of assessing the feasibility of prospective employee selection can be more effective because it can display the results of calculations that can help companies sort out which applicants are eligible with the required criteria. The calculation results are presented in a report and sorted by the final value from the smallest to the largest.

Keywords: *Decision Support System, recommendation for selecting prospective employees, Fuzzy Inference System, Tsukamoto method.*