

SISTEM PENDUKUNG KEPUTUSAN PEMBERIAN BEASISWA DI SMP MA'ARIF AL KARIMI DENGAN MENGUNAKAN METODE TOPSIS

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ABSTRACT

The problem faced by junior Maarif Al Karimi is the absence of a decision support system that is used to select the students who qualify for the scholarship. Earlier in the awarding of scholarships is done by Comparing the values of criteria for student scholarship recipients with each other based on the criteria that have been allocated by the school. With the increasing of the applicants along with the Increase of students entering each year, then getting old student selection process in terms of Comparing the value of the student criteria, causing Difficulties for the schools in Determining Appropriate student who received a scholarship.

This decision support system using TOPSIS method is the final result of rankings. Attributes are used is the average value of report cards, the activity of the organization, the amount of parental income and number of dependents. The data used is data of the applicants academic year 2014/2015, 2015/2016 school year of data, and the data of the school year 2016/2017. System testing is done with four trials are testing one, two, three compared with the results of the assessment of the school and the fourth test comparing the results of Microsoft Office Excel.

The experimental results of calculations using Microsoft Office Excel could be seen suitability data have been calculated using TOPSIS method, from the calculation of the results obtained and the value associated with the system. While the results of the calculation of data of the applicants 2014/2015 academic year, the academic year 2015/2016 and 2016/2017 academic year conducted by the school prior to using TOPSIS method, from the calculation of the results obtained and the value associated with the system.

Keywords: *Employee Reward, Decision Support System, TOPSIS.*