Implementation of the Simple Additive Weighting (SAW) Method in the Decision Support System for Recommendations from the OSIS Chair (Case Study of SMK Negeri 4 Bondowoso)

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ABSTRACT

OSIS is an organization formed by students to represent and fight for students' interests in various aspects of school life. Apart from that, OSIS is also a place for students to be more active in the school environment. The selection of an OSIS chairman who is less effective can result in a decline in organizational performance. The aim of this research is to create a decision support system that uses the Simple Additive Weighting (SAW) method for recommendations for selecting the OSIS chairman at SMK Negeri 4 Bondowoso. The SAW method was chosen because it is able to weight criteria fairly and objectively. The research results show that the SAW system can provide more objective and fair recommendations in selecting the OSIS Chair, with a system accuracy level of 81%, with 27 data that match and 6 data that do not match the initial ranking conditions at SMK Negeri 4 Bondowoso. It is hoped that the application of the SAW method will increase the effectiveness of the process of selecting student council leaders in schools.

Keywords: OSIS, Decision Support System, Simple Additive Weighting (SAW).