APPLICATION OF DECISION SUPPORT SYSTEM USING TOPSIS FOR SELECTING CANDIDATE ACCEPTANCE OF NEW STUDENTS (CASE STUDY: SMK WACHID HASYIM LAMONGAN)

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ABSTRACT

The process of admission of new students in vocational Wachid Hasyim Glagah Lamongan. Every year more and more interest in students who enroll as a new student at the school, then to get the students qualified resources it needs to be a thorough screening of both academic and non-academic in the new admissions process.

Decision support system of new admissions by using TOPSIS method aims to assist the school in providing information and recommendations choice as possible, so as to help the school to choose the best candidates for new students. The system generates an output in the form of recommendations prospective new students are accepted as a new student at SMK Wachid Hasyim Glagah Lamongan who get a certain value so as to facilitate the school to analyze and make decisions.

Results of testing the system can generate recommendation prospective new students who score the highest proximity is the closest to prospective students diingikan criteria by the school and can be used as input for the school in making decisions on selecting prospective new students are eligible to receive.

Keywords: *decision support systems, TOPSIS.*