

ABSTRACT

DECISION SUPPORT SYSTEM FOR PROSPECTIVE PARTICIPANTS SELECTION IN STUDENT COMPETENCY COMPETITION USING FUZZY SAW (SIMPLE ADDITIVE WEIGHTING) METHOD BASED ON ANDROID IN SMKN 1 NEGERI KATON

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The development of technology today has been developing very rapidly. The need for fast and accurate information is one of the important objectives. The purpose of this study was to determine the decision support system in selecting candidates for the competition with a simple and easy. The method of this study used the Fuzzy SAW (Simple Addictive Weighting) method. This method was used to find the best alternative based on determined criteria and weights and the decisions could be more objective. The result of this study was the helpful application in determining and selecting the best candidates based on the highest score. Based on trials, this application was able to run on Android-based smartphones with a minimum of version 4.4 and above.

Keywords: Decision Support System, Simple Additive Weighting

