

ABSTRACT

DECISION SUPPORT SYSTEM IN DETERMINING STUDENTS' MAJORS AT SMA PANCASILA BENGKULU CITY USING SIMPLE ADDITIVE WEIGHTING (SAW) AND WEIGHTED PRODUCT (WP) METHODS

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The selection of major programs at SMA Pancasila Bengkulu City needs to be made so that the majors that are included are in accordance with the student's abilities, but in reality there are still many students who are only influenced by other students or the student's own desires. This causes subjective work assessments. Assessments based on formal information based on criteria need to be carried out to obtain objective results. This is the basis of research. The research carried out was to create a system that can provide considerations in making decisions about selecting majors at SMA Pancasila, Bengkulu City. The use Simple Additive Weighting (SAW) method as a basis for data processing for majors. And provide procedures and assist in decision making because decision making remains with teacher/school. This decision support system was designed using PHP programming language and MySQL database. Based on the tests carried out, it can be concluded that this decision support system can provide convenience for SMA Pancasila Bengkulu City in determining majors for students.

Keywords: Decision Support System, Simple Additive Weighting (SAW), SMA Pancasila, Bengkulu City.

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