

## **ABSTRACT**

### **DECISION SUPPORT SYSTEM OF MAJOR SELECTION**

#### **USING SAW METHOD**

Junior high school students are often faced with the confusion in choosing majors advanced. A decision support applications is designed to select majors that match their interests and abilities.

This decision support system application uses the Simple Additive Weighting (SAW) by considering four criterias: interest, grade, sallary of parent, and age. Each criterion has a different weight according to its importance. The value in each option major is the sum of multiplying the fuzzy value of criteria and weight.

In this application students entering name, interests, age, sallary of parent and the grade of report. The output is displayed in bar graphic showing the grade of all the majors. Major with the highest score will be recommended for the first choice and so on.

**Key words:** Choice of Department, Decision Support System, SAW Method.