ABSTRACT

Majors students who performed in high school aims to help students obtain proper teaching and targeted according to the potential of each. At the time of specialization majors student need a lot of time. This is due to the amount of data students that must be managed by school so that when determining the majors are ineffective. Based on these problems required a system to help determine majors stu-dents, then built a system called Decision Support Systems Specialisation Programs in High School Students Using Data Mining C4.5 Classification Algorithm. This decision support system built by the Knowledge Discovery in Databases (KDD) to the data mining process while for application development using the waterfall method. In this system is built to assist in the determination of majors students-students and for the determination of the department based on the criteria set by the school.

Keywords: Decision Support Systems, Majors students, C4.5 algorithm.