ABSTRACT

DECISION SUPPORT SYSTEM NEW STUDENT RECEPTION HIGH SCHOOL 1 CIKAMPEK

By :

Rival Roecksintain
10105114

High school 1 Cikampek is one of the schools that still use manual system to the academic process. The purpose and objective of this research is to study the process of new admissions system is still done with a manual system to a computerized system using the ID3 decision tree method as an algorithm to simplify the selection process for new students.

Designing system used is prototype method, a tool used to design systems such as Flow Map (Flow Chart Document), Contecsx Diagram (Diagram Context), DFD (Data Flow Diagram). While the tool uses MySQL database application development and programming language of Borland Delphi 7.0.

The system also has an advantage that helps the user / new student admissions committee for prospective students can prepare new data, the data value of prospective new students, new student selection, and registration data. Besides the efficiency of time is more guaranted and also help in the process of making the reports required by the user and the new students themselves as a new student data reports and the reports of students accepted or rejected at high school 1 Cikampek.

Results from this study is to analyze the applications that can facilitate large amounts of data, to assist in providing information as a result of corporate decisions. But this system also, there are weaknesses in terms of facilities and appearance of the program so that still needs improvement.

Keywords: academic process, decision tree, ID3, data.