ABSTRACT

Academic data processing is a major activity in the Academic Information System SMK PASUNDAN 2 BANDUNG. Data collection problems that occur among students who now felt that there are still many shortcomings due to the existing system still use the sheets of papers and files, processing of the students at this time still depends on the handwriting, the difficulty of academic data retrieval and report generation because of the lack of computerized data . The purpose of this study was to produce a design of Academic Information Systems at SMK PASUNDAN 2 BANDUNG, to be implemented and tested these schools.

This study uses action research design to study the current situation to be rectified. While the sources of research with primary data collection method is done by observation, interviews, and secondary data collection, namely the study documentation. The method used in the development of this system using prototype technique. The system design modeling tools using a structured approach using tools such as document flow (flowmap), context diagram, DFD (Data Flow Diagram), data dictionary, normalization, table relation, and ERD (Entity Relationship Diagram). Software used is Java using MySQL database server.

Academic information system that is created is expected to provide ease of data processing and archiving academic data such as student data, teachers' Data, data subjects, timetable, student attendance and report cards while. The results obtained in this study, it made the Academic Information System SMK PASUNDAN 2 BANDUNG.

Key words: SMK PASUNDAN 2 BANDUNG, Prototype Methods, Academic Information Systems.