ABSTRACT

Academic information system is a set of elements or parts of both physical and non-physical and procedures that relate to each other into a single unit that works together in harmony for the academic process data into valuable information. Academic Information Systems that are running there are still shortcomings as yet integrated data - data that exist so that there are redundant data, search data is still running slow, frequent errors in data processing, report generation which is still running slow. The purpose of this study was to determine the academic pengolahandata process is running, make the design of Academic Information Systems, and to know the implementation of academic data processing information systems are made.

Research methodology used in the manufacture of a web-based library information system is Waterfall methodology that includes the system enginering, analysis, design, coding and testing. For the research design method by using descriptive method, whereas the method of data collection using the method of observation and interviews. The tools used to describe the system model is a form of data flow diagrams (FlowMap), context diagrams, and Data Flow Diagrams (DFD), as well as in database design using a data dictionary, normalization, and Entity Relationship Diagram (ERD). The software for the design and implementation of programs using SQLServer as a server, MySQL database and 2005 as VB (Visual Basic) as a program editor.

The results showed that academic information system design in SMA Negeri 1 Sindangbarang can help the staff, teachers, and the parts related to academic information system in the existing academic data processing. Conducting the testing of application systems using the method of Blackbox. The final stage adalah.mengimplementasikan implementation of information systems that include software, hardware, database and interface of the resulting application.

Key words: Academic, SMA Negeri 1 Sindangbarang, Information Systems