ABSTRACT

Business World to grow as the progress in science and technology, as well as in Indonesia, such as the increasingly widespread use of applications of computer technology, it brings a huge impact on information technology. It is characterized by more and more sophisticated and versatile tools for solving problems practice both company management and in solving day-to-day. With the existence of information systems, will greatly assist in solving problems, especially in the case when we need information fast, precise and accurate. Madrasah Aliyah KH. Hasan Arief is one the instiurions engaged in education that have been put on the form of information system which involves the use of computers to run their work activities, but in this case still has not been thorough in its use, only in small things such as creating letters or reports. Data about the process of academic student still in the form of documents and archives. So that data processing is not effective and efficient. Because of this, required a special application program which handles about Academic Information Systems at Madrasah Aliyah KH. Hasan Arief.

To achieve these objectives, this research consists of two stages using the systems analysis approach to structured system using Flowmap, Context Diagram, Data Flow Diagram, Data dictionary, Normalization, Table Relation and Entity Relational Diagram. While to design and implement the Administrative Information System Confinement Guest is using programming language Microsoft Visual Basic 6.0 with Microsoft SQL Server 2005 database and information system development use prototype method.

The end result of this research is that current information systems are still less effective and efficient, which is then analyzed and designed into an information system that can support the development of information technology that is expected to achieve the desired performance. The system is proposed in order to handle the constraints that exist on systems running earlier.

Keywords : Academic Information System, Microsoft Visual Basic 6.0, Microsoft SQL Server 2005