ABSTRACT

Application of information technology has spread in almost all areas, not least in the library field. Just as in data processing, an information technology rather fast, accurate and good in the process. In the library Bandung SMKN 7, no special software used to manage data libraries. There are various constraints on the process of borrowing and returning books because of the unavailability of a database that stores all data about the data borrowing and returning books, so it is still done manually record credit card. Still difficult to obtain information about the books to be borrowed so that the information produced less accurate and precise. The purpose of this study was to determine how the borrowing and repayment procedures in a library book SMKN 7 Bandung, helping organizations to improve effectiveness in performing data processing lending and return the book to minimize the possibility of errors occurring, and create a library of information systems applications. The results of this study is expected to be useful and serve as a material consideration in efforts to improve the problems associated with the Library Information Systems at SMK 7 Bandung.

In this system, the research methodology used a descriptive method.In the implementation phases of system development, the authors used the classical method or a waterfall, a tool used to design the system in the form of Data Flow Map, Context Diagram, Data Flow Diagram, Data Dictionary, Normalization, Entity Relationship Diagram, relation Table and File Structure. Data collection techniques by way of observation, interviews, and documentation. While supporting software using MySQL as database and programming languages HTML, JavaScript, and PHP.

Research by the author to produce a library of information systems in data management of borrowing and returning books to the library staff to optimize performance and enhance library services and report transactions fast, precise and accurate.

Keywords: Information Systems, Library, Borrowing , Returns