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ABSTRACT

SMA Pasundan 7 Bandung is an educational institution which is an institution that plays an important role in the teaching system for students to get the next generation who qualified for the betterment of the nation. As an educational institution is large enough, the need for academic data is very important to make it easier to manage a variety of issues related to service to students, teachers and other school residents. These data include academic admissions process prospective students, the division of classes and homeroom and processing of the final grade. SMA Pasundan 7 Bandung dire need of software design that are adequate to manage and run all academic activities. One is the acceptance of information systems prospective students, the division of classes and homeroom and processing of final grades in SMA Pasundan 7 Bandung that now is not computerized and well integrated, so it still has many shortcomings in meeting the needs of the institution, particularly to deal with academic problems .

The approach used in this study is a structured approach that uses several tools and working techniques, such as flowmap, context diagrams, and Data Flow Diagrams (DFD). And development model used is the Waterfall model. Where is the Waterfall model is a sequence of activities undertaken in the development of systems ranging from problem determination, requirements analysis, design implementation, integration, system testing, implementation and maintenance. This model offers a way of making software more tangible.

With the implementation of the design of academic information systems in SMA Pasundan 7 Bandung that is client server by using Visual Basic programming language and MySQL database, is expected to ease in managing the entire academic data, without having to place the data redundancy and errors in managing data. So the school or agency can achieve the goals set at the maximum.

Keyword: Design, Information Systems, Structured, Visual Basic