ABSTRACT

SMP Negeri 2 Puspahiang is an educational institution that has a lot of students, where the number of the receipt of any amount to a maximum force of 160 people, so the demand to have an information system that could improve the quality of the performance of the maximum. Problems occurring in SMP Negeri 2 Puspahiang, be difficult to get information on the number of new students will be accepted, where to get information still requires a long time because it must be checked in advance to all registrants. In terms of students 'final grades still processing difficulties arise in separating the data with the status of students' final grades and remedial nonremedial. While in terms of class divisions on issues that new students can be a frequent occurrence of redundancy of data at the time of dividing the number of male students and female in each class.

The systems approach used in this study is the analysis and structured programming using several tools and working techniques such as flowmap, context diagrams, Data Flow Diagrams (DFD), data dictionary and database design (normalization and table relationships). And development model is a model system used Waterfall. In this method there are 5 stages to develop a software. The fifth stage is composed from top to bottom, including: Analysis, Design, Coding, Testing, Maintenance.

With the implementation of the design of academic information systems in SMP Negeri 2 Puspahiang that is client server by using the programming language Visual Basic, SQL database and ODBC Connector XAMPP, is expected to assist in the processing of academic data and can minimize mistakes and work in data processing and is expected to help performance in the admissions process prospective students, homeroom class divisions and new students and processing the final value both in terms of search, processing and presentation of the report. So SMP Negeri 2 Puspahiang can achieve the goals set at the maximum. For the development of information systems that have been built in SMP Negeri 2 Puspahiang, kedepanya this application program is expected to be further developed by adding features in the selection of candidates for admission of new students along with the development of new regulations in the acceptance of prospective students in SMP Negeri 2 Puspahiang and expected future there will be other researchers who discuss other academic processes such as creating a timetable and attendance to further refine the system of academic information that has been built.

Keyword:
Information Systems, New Student Admission Candidate, Division of Class and Class Wali, Processing SCORE