ABSTRACT

Along with the development of information technology as well as increased activity of a very fast, so this development has changed the paradigm of the public in finding and getting information that is not just limited to print or electronic media, but also makes computer technology as a source of information, and one that gets significantly affected by the development of this technology is a high school Darul Hikam Bandung the field of education, which were founded upon the desire to improve and produce quality human resources. Problems in High Scool Darul Hikam Bandung department is on the run by teachers who could support the guidance counseling to facilitate the process of computerized department furnished. It required a system that could support the process of the data subject to acceleration and speed information can be run well.

To complete the system to be built, in this research using descriptive analysis method. Descriptive analysis is a method of research by describing exactly how the data in the field and then compare it with the prevailing theories. As for developing software using method waterfall. Programming language used in the design of nformation system majors this determination is java, php and mysql for its database, with the construction of information system determination of majors teacher is expected to facilitate guidance and counseling in the process of determining the major X-class in high school Darul Hikam Bandung in order to more quickly and efficient than previous system.

With the information system department determination is then expected to help facilitate the processing of department be faster and easier. Psychological processes and test the student's interest that has been computerized so no need to wait long to find out his results, with fast data, precise and accurate.

Keywords: information system, system development protoype, penjurusan SMA Darul Hikam Bandung