

ABSTRACT

Counseling is one unit in SMAN 1 Baleendah which handles the problems and progress of students in terms of academic and non-academic. Business processes that take place at this time, still using manual way both for the data processing such as student data, achievement data, data breach, the value data, attendance data as well as data on the counseling and reporting process. As well as the lack of facilities that support students and parents to counseling outside of school hours. Therefore, this final project aims to provide a solution of the above problems, by establishing an information system guidance counseling. Web-based applications created using programming languages PHP with CodeIgniter framework and MySQL database. The method used is the method of SDLC (System Development Life Cycle) with the waterfall model. Depictions of running business processes and business process proposed uses flowmap, as well as system requirements analysis using UML methodology. The design of the tables in the database using the ERD (Entity Relationship Diagram). This application can handle data management students and parents, achievement data, data breach, the value data, attendance data as well as data counseling, providing a chat feature and the SMS gateway.

Keywords: Information System, Counseling, ERD, Chat, MySQL, PHP, SMS gateway