ABSTRACT

DEVELOPING SMS GATEWAY SYSTEM
FOR STUDENT TEST SCORES

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This research aims at developing SMS gateway system, knowing functionality, usability and performance of SMS gateway in the display of student. The announcement information on school test scores is usually made conventionally. It is considered ineffective and inefficient to meet the needs of students.

The procedures for this research used the method in the process of designing a web application based on SMS using the stages in the System Development Life Cycle (SDLC), namely the stages of analysis, design, implementation, and testing. Test conducted to analyze the quality of the software functionality, usability, and efficiency.

Functionality test results that had been made to the application were all functions of the web and SMS are in accordance with sub characteristic functionality. Results of usability testing was an application designed to 88,75% and included in the excellent category. Result of efficiency testing is a process of auto reply SMS to a data request was 3,26 minutes/SMS. This system was efficient in terms of time to obtain information of the student test scores.