

ABSTRACT

Information technology is one technology that is growing rapidly. with information technology, access to information can take place quickly and efficiently. Tasikmalaya General Hospital as one facility that provides health services to the general public will also require information systems. Currently, the system used by the RSU Tasikmalaya in providing services and information is still done manually. the management of patient medical data and internal data is still using the conventional system has shortcomings such as difficult to find the file, allowing the occurrence of defects and errors of writing and reading.

Therefore on this final project, created a healthcare information system application that can assist patients in obtaining services from the hospital. The information system can handle the registration of patients, ward information, information on treatment costs, doctors schedules can be accessed via sms and the web as well as handle the manufacture of patient medical reports and patient visit reports over the web.

This application uses PHP as a web-based programming language, MySQL as database server and SMS Gammu as engine. The application is designed based on need and not ignore the existing procedures at the hospital so that applications can be implemented.

After testing and implementation, resulted in several conclusions, including: application can facilitate the patient in the registration and obtain other information relating to health services in hospitals and can assist employees in managing internal hospital data, it is based on subjective tests with respective values 82.5% and 82.5%, web applications are able to serve up to 800 users with an average response time of 18,065 seconds and average speed 0,7728 average KBps and sms application able to serve requests sms information accessed by a user and five user and simultaneously with other users who access the web as much as 400 users with an average delay of each of 6.93 seconds and 9.2 seconds.

Keywords: Information systems, SMS gateway, PHP, MySQL, GAMMU