

ABSTRACT

Al – Islam hospital is a hospital which is located in Jalan Soekarno Hatta number 644, Bandung. Al – Islam hospital is one of the famous hospitals in Bandung, so to make it can compete with the other hospitals it needed a service improvement which can make it be more famous and give a pleasant feeling for the patients at this hospital.

The main aim of designing in this last project is how to design and implementation the system of information developing by using a multimedia network base on web at Al – Islam hospital. A survey, network mapping, and system design (which consist of hardware selection, software selection, and making the web application) are needed in this design.

As an overview, this system is made by using some supported tools which are PHP as a programming language base in web and MySQL as a database. In this application a multimedia base in web will be informed as a monitoring, a doctor's schedule, and a healthy video. The measured QoS parameters are delay, jitter, and throughput.

By using this design of information system, Al – Islam hospital will get many benefits. First, Al – Islam hospital will have a new information system which can support the hospital services. Second, Al – Islam hospital will have one excess more than the other hospitals in Bandung.

Key words: Information system, multimedia, QoS (Quality of Service), PHP, MySQL.