

ABSTRAK

Sistem Informasi Manajemen Alat Elektromedik berbasis web di RSUD Bandung Kiwari merupakan suatu sistem informasi dan monitoring peralatan kesehatan (SIMPEL KIWARI) yang dibuat agar dapat memudahkan teknisi elektromedis dalam membuat inventaris alat elektromedik, menyusun perencanaan jadwal pemeliharaan alat elektromedik, serta melakukan monitoring kerusakan alat elektromedik. Sistem Informasi dan Monitoring Peralatan Medis ini dibuat karena unit elektromedis di RSUD Bandung Kiwari masih melakukan inventarisasi alat medis, serta arsip dokumen alat medis secara manual. Hal tersebut menyulitkan banyak pihak baik teknisi elektromedis maupun user (pengguna alat) ketika akan melakukan penelusuran data peralatan elektromedik. Sistem Informasi Manajemen Alat Elektromedik ini dibuat dengan menggunakan *web server Apache* dengan bahasa pemrograman PHP, phpMyAdmin sebagai database dan Sublime Text sebagai *code editor*. Apache sebagai web server yang berfungsi membuat koneksi antara server dan *browser* milik visitor website serta memastikan kelancaran dan keamanan komunikasi antara server dan klien, kemudian kode program di modifikasi menggunakan sublime text dan dikoneksikan dengan database sehingga dapat ditampilkan pada browser. Sistem informasi manajemen dan monitoring alat elektromedik berbasis web telah berhasil dibuat sesuai dengan kebutuhan berdasarkan metode pengembangan SDLC (*System Development Life Cycle*) *Waterfall* dan dapat diakses dengan *web browser* maupun *browser smartphone*.

Kata kunci : Inventaris, Pemeliharaan, Perbaikan, Web, PHP, phpMyAdmin, Sublime Text

ABSTRACT

The web-based Electromedical Equipment Management Information System at Bandung Kiwari Hospital is a medical equipment information and monitoring system (SIMPEL KIWARI) which was created to make it easier for electromedical technicians to make an inventory of electromedical equipment, prepare planning for electromedical equipment maintenance schedules, and monitor electromedical equipment damage. The Medical Equipment Information and Monitoring System was created because the electromedical unit at Bandung Kiwari Hospital is still conducting an inventory of medical devices, as well as manual documentation of medical devices. This makes it difficult for many parties, both electromedical technicians and users (tool users) when they are going to trace electromedical equipment data. This Electromedical Tool Management Information System was created using an Apache web server with PHP programming language, phpMyAdmin as a database and Sublime Text as a code editor. Apache as a web server that functions to make connections between the server and the browser belongs to the website visitor and ensures the smooth and secure communication between the server and the client, then the program code is modified using sublime text and connected to the database so that it can be displayed on the browser. The web-based electromedical equipment management and monitoring information system has been successfully created according to the needs based on the SDLC (System Development Life Cycle) Waterfall development method and can be accessed with web browsers and smartphone browsers.

Keywords: Inventory, Maintenance, Repair, Web, PHP, phpMyAdmin, Sublime Text