ABSTRACT

Currently computers can be found in every office, company, school, or even household. The rapid development of computer technology, especially in the field of software, has made computers more user friendly and has made it a necessity for certain circles, for example the business community. Computers are no longer only used as a substitute for typewriters or calculating devices but are now also widely used to help make important decisions. Dr. Murjani Sampit Regional General Hospital (RSUD) has used computers in the inventory of medical devices. However, the inventory system is still done manually using the Microsoft Excel application and is not integrated. As a result, doing an inventory of medical device data requires a long time. This study aims to develop an integrated system using the CodeIgniter framework and MySQL as a database management system. The test results from the website that has been made show that the system that has been created according to the logical flow of the medical device inventory system and test scenarios is valid but there are still slight deficiencies in the user role, and gets an increase in time efficiency of 16%, so it can be concluded that the system implemented build can help in optimizing the use of the inventory system to be more efficient.

Keywords: Medical Devices, Inventory, Hospital, Information System, Waterfall