

ABSTRAK

Judul : Implementasi Mode RAD pada Sistem Informasi Inventori
Medical Supply berbasis *Website* (Studi Kasus: Puskesmas
 Kunciran)
 Nama : Wita Mandasari
 Program Studi : Teknik Informatika

Data yang terkumpul menunjukkan bahwa Puskesmas Kunciran menghadapi tantangan terkait manajemen inventaris. Beberapa masalah yang dihadapi meliputi kesulitan dalam mengakses data karena masih menggunakan dokumen fisik serta ketidakintegrasian data. Proses pengecekan barang menjadi lebih lambat karena adanya ketidakvalidan data, perbedaan antara catatan dan data, serta ketidaksesuaian informasi. Di samping itu, Puskesmas Kunciran mengalami kesulitan dalam peminjaman dan pengembalian barang medis karena keterbatasan stok dan ketidakjelasan dalam aturan dan prosedur. Untuk mengatasi masalah ini, dilakukan pengembangan sistem inventaris supply medis berbasis web menggunakan metode pengembangan aplikasi cepat (RAD). Sistem ini menggunakan PHP dan database MySQL, dan berhasil mengurangi kesalahan dalam pengecekan stok serta pencatatan manual. Hasil penelitian menunjukkan bahwa sistem yang dikembangkan melalui pengujian blackbox dan UAT memiliki tingkat kegunaan sebesar 90.51%. Sistem inventaris yang dibuat valid dan berfungsi sesuai yang diharapkan.

Kata kunci : *Rapid Application Development (RAD), Inventory, Medical Supply*

ABSTRACT

Title : Implementation of RAD Mode on *Inventory Information*
 Systems *Medical Supply* Based *Website* (Case Study:
 Puskesmas Kunciran)
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 Study Program : Computer Engineering

The data collected shows that Kunciran Community Health Center faces challenges related to inventory management. Some of the problems faced include difficulties in accessing data because they still use physical documents and lack of data integration. The process of checking goods becomes slower due to invalid data, differences between records and data, and information discrepancies. In addition, Kunciran Hospital experienced difficulties in borrowing and returning medical goods due to limited stock and unclear rules and procedures. To overcome this problem, a web-based medical supply inventory system was developed using the rapid application development (RAD) method. This system uses PHP and a

MySQL database and has succeeded in reducing errors in stock checking and manual recording. The research results show that the system developed through black box testing and UAT has a usability level of 90.51%. The inventory system created is valid and functions as expected.

Keywords: Rapid Application Development (RAD), Inventory, Medical Supply