

INTISARI

Program Studi Teknik Informatika Universitas Muhammadiyah Yogyakarta (Prodi TI UMY) menyediakan sarana yang dapat dipinjam oleh mahasiswa, dosen, dan staff yang masih berada di lingkungan UMY. Untuk mempermudah dalam proses transaksi peminjaman barang dibutuhkan sebuah sistem yang mampu diakses melalui satu aplikasi antar muka oleh pengguna di lingkungan umy.

Metode penelitian yang digunakan dalam perkembangan aplikasi ini adalah metode pengembangan SDLC (*System Development Life Cycle*) dengan model proses *waterfall* meliputi: *analysis, design, code generation, testing* dan *support*.

Sistem telah diuji dan dapat bekerja dengan baik, sistem digunakan untuk transaksi booking, peminjaman dan pengembalian barang. Sehingga proses peminjaman barang yang dilakukan akan lebih efektif dan efisien.

Kata Kunci: *Asp.net MVC, Website, Inventory, SDLC*.

ABSTRACT

The study program of information technology of Muhammadiyah university of Yogyakarta (UMY) provides items which can be borrowed by students, lecturers and staffs which are in the UMY's environment. In order to facilitate in the process of lending transactions of tools required a system which can be accessed through a single application interface by the user in the UMY's environment .

The research method which used in application development is the development SDLC (system development life cycle) method with waterfall process model include: analysis, design, code generation, testing and support.

Furthermore, the system had been examined and it works well. The system is supported for booking transaction, borrowing and returning items as well. The result of this technique, it makes the borrowing items process which has been done more effective and efficient.

Keywords: Asp.net MVC, Website, Inventory, SDLC.