

INTISARI

Jogja Digital Valley menyediakan ruangan yang dapat disewa oleh *member*-nya untuk diadakan suatu *event*. Pemesanan dilakukan secara manual, dan tidak ada sistem peringatan untuk pesanan *event* dengan waktu pelaksanaan yang sama dengan *event* lain. Selain itu, Jogja Digital Valley belum memiliki sistem yang mampu menyimpan catatan komunikasi pemesanan antara pengelola dengan *member*.

Dengan memperhatikan fakta tersebut, penelitian ini mencoba merancang dan mengembangkan sistem informasi pemesanan *event* menggunakan metode-metode yang ada. Sistem informasi dirancang menggunakan standar diagram *Unified Modeling Language* (UML), dengan implementasinya menggunakan pola desain *Model-View-Controller* pada situs web berbasis *Content Management System* (CMS) WordPress.

Hasil penelitian berupa dokumen perancangan dan purwarupa sistem informasi pemesanan *event* Jogja Digital Valley. Purwarupa tersebut dikembangkan dan berjalan di atas situs web berbasis CMS WordPress. Sistem informasi dikembangkan dengan pola desain MVC menggunakan *plugin Lotus Framework*.

Kata kunci: Sistem informasi, UML, MVC, WordPress, *Lotus Framework*

ABSTRACT

Jogja Digital Valley provides some rooms that can be booked by its members to be held an event. Reservation is done manually, and there is no warning system for each conflicted event schedule. In addition, Jogja Digital Valley don't have a system that is able to keep records of communication of reservation process between managers and members.

There are many methods that can be applied to develop information system. These variety of methods can be differentiated based on design or development perspective.

Regarding these facts, this research tried to design and develop an information system using particular method. The information system was designed using Unified Modeling Language (UML) as design document standard. For the development process, Model-View-Controller (MVC) design pattern was used. This information system was integrated with WordPress Content Management System (CMS) based website.

The results are set of design documents and prototype of event booking information system for Jogja Digital Valley. This prototype runs on WordPress based website, with MVC design pattern source code structure using Lotus Framework plugin.

Keywords: *information system, UML, MVC, WordPress, Lotus Framework*