APPLICATION OF WEB CONTENT MANAGEMENT SYSTEM (WCMS) FOR WEBSITE DEVELOPMENT AND MAINTENANCE TOOLS USING PHP

Daniel Liga 0800765850

Abstract

The development of Web Content Management System or WCMS application primarily intends to realize the need of user to create and maintain their website easily and automatically through online web server. The application provides the environment work allowing both technical and non-technical developers as a web designer or web programmer to collaborate working on website with its tools. The tools created provides functionality to cut the development time and cost instead creating them manually.

The method of development of application is using PHP as a web programming to create the systems and MySQL as the database management system to handle content management system database. The development try to design the concept to separately control database and web content and able to integrate easily based on the theory of CMS Feature Onion as a standard theory for core functionalities.

The result of application development as the aim of thesis is producing a complete Web Content Management. Author manages to create 6 systems as tools of web content development and maintenance. The working systems have been proven by developing one website by using WCMS application and utilize all features that the application offers. That website is called “Anisekai” created by the same author.

The conclusion of making WCMS as a thesis application has proven all concepts that developer design and implements provides capability to function as CMS.

Keywords

Web Content Management System, Content, Web Application, Database, Metadata.
PREFACE

First, I thank to God for finishing and successing to develop the thesis project of Web Content Management System. This application is created by spending long of time intended to provide the web content management support for web developer to easily develop the website. Many design concepts made from beginning is only a scratch idea of the basic that the developer needs in developing website. The development of application as the realization of thesis research project is not only involving authors as the creator. It won’t succeed without involvement from other peoples who contributes idea and technical knowledge to shape the design concepts into implementation. It is not a project that can be created alone because it is complex application, yet has benefits later on. These are the peoples who are contributes and involves and help a lot when developing the thesis:

- Firdaus Alamsjah, Ph.D as an executive director of Bina Nusantara who gives me a chance to take part develops the thesis in this university that I’m proud of.
- Mr. Minaldi Loeis, M.Sc., MM, MBA, as a director of academic programs as well as my thesis supervisor who gives me a brilliant idea to complete the application and the thesis paper.
- Ir. Tri Asih Budiono, MIT, as a head of computer science and Raymond Kosala, Ph.D as a head of research development who allows me to develop and improve the thesis and they are who dedicates in helping student’s thesis.
- Not forgetting my best friends; Pratiwi, Marilyn, Albert, Lidya who cheers me and support me to develop the thesis and my best schoolmates, Anthony who
share a same struggle to do the thesis, Rio Renaldi my beloved friends who keeps contact with me supports me.

- My best friends in Bina Nusantara Anggrek as the best of programmers, Andra Basuki and Pascal Angriawan who contributes their idea and support of thecnical knowledge to realize the concept into implementation.

I wish all of them have a good fortune and futures of life. Because of them, I manage to create a complete application, not just a prototype in according to the target time. Once again, thank you all.

Daniel Liga

August 1, 2008