Life Pharmacy Website Design with Model View Controller Method

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Abstract

Nowadays research and development of medicinal plants both at home and abroad is growing rapidly. Research is mainly developing in terms of pharmacology and phytochemicals based on indications of medicinal plants that have been used by some people with empirically proven efficacy. The results of this study, of course, further strengthen the users of medicinal plants for their efficacy and usefulness. Moreover, many researchers have also conducted toxicological tests to determine the safety of medicinal plants that are often used for long-term use, as well as incidental use. The traditional healers also have a lot of knowledge of poisonous medicinal plants, but still use them because they know how to process them.

Keywords: Life Pharmacy Website, Model View Controller Method

INTRODUCTION

The Model View Controller (MVC) technique, which is a way of constructing an application by separating the data (model) from the view (view) and how to process it, may be used for the design (controller). The MVC architecture is used by the majority of frameworks in online applications. MVC divides application development into primary components that make up an app, such as data processing, user interfaces, and portions that become controllers in a web app. The development of communication technology is a global development that cannot be dammed or anticipated. Humans need to make adjustments to technological developments, in order to understand them[1]. Technological advances that have become public consumption are the internet[2]. Almost every day we use the Internet, both from children, adults, to the elderly use the internet[3]. The Internet is a global communications network that connects billions of computer networks openly using the global standard transmission control protocol/internet protocol suite (TCP/IP) standard system,[4]. The internet opens up human horizons, as a means that can tell people about various things that exist in other cities, other countries, and even other continents[5]. The internet can facilitate communication from great distances without having to meet face to face[6] So it can be said that the internet is a source of information[7] whose existence has now become a necessity[8]. The benefits of internet-based websites, social networks and blogs are things that have implications for positive and negative impacts[9]. So in this case the design of a live pharmacy website using the model view controller method to build a system will be very useful, especially for building a complex and Web 2.0-based system without reducing its main goal, namely to convey relevant, fast, and precise information.
Technology may be seen as an activity that influences a changing culture. Planning, executing, and monitoring an activity, addressing difficulties, and making suitable, rapid, and directed judgments all need the accuracy, speed, and quality of an information technology system. The compilation of student learning outcomes sheets using computerized technology, especially E-Report, is an example of the advancement of information technology in the area of education. Instead of utilizing the design as a display controller, the Joomla CMS application will employ the Model View Controller technique. A web-based catering ordering information system using the Model View Controller (MVC) technique as an architectural foundation. Using Adobe Dreamweaver CS6 to create a web-based catering ordering information system. This information system is an online catering ordering application that uses the MVC approach as an architectural foundation in order to make future apps easier to design and modify. A web-based catering ordering information system using the Model View Controller (MVC) technique as an architectural foundation. Using Adobe Dreamweaver CS6 to create a web-based catering ordering information system. This information system is an online catering ordering application that uses the MVC approach as an architectural foundation in order to make future apps easier to design and modify.

**METHODS**

**Life Pharmacy Website**
Website is a new medium that is very often used today. Website is a means or tool used in the process of mass communication[10]. However, to convey information through the website is not as easy as we see it, it takes a good design and easy to understand by users so that the website can be accepted by the wider community.[11]. This live pharmacy website is designed to meet the human need for the importance of information about medicinal plants. Medicinal plants are plants that are widely known to have many benefits in curing or preventing disease. Medicinal plants are usually used in traditional medicine. But along with the development of medicinal plants are often abandoned. The lack of information in the community about the benefits of medicinal plants makes some people prefer to use chemical or modern drugs[12].

**Model View Controller Method**
The website of Pharmacy lives structurally and systematically using the Model-View-Controller (MVC) approach. MVC is an object-oriented design and analysis approach or pattern for software development that is widely used today[13]. The Model-View-Controller (MVC) architectural model divides an interactive application into three components. The model contains core functionality and data. The view displays information to the user. The controller handles user input. The view and controller together make up the user interface. The change-propagation mechanism ensures consistency between the user interface and the model[14]. Website using the Model-View-Controller (MVC) pattern, providing quality in the process of developing and managing access to information resources. The features on the website that are built are very useful for the management process[15] live pharmacy.

**RESULTS & DISCUSSION**

**Data Training With PHP**
By using the Model View Controller method, it is expected that the information displayed by a website is truly in accordance with the wishes of the user as an information seeker, here is an example of a website design that does not use the Model View Controller method.
Figure 1: Live Pharmacy Website

In designing this website, a site is displayed that contains live pharmacies and medicinal plants as well as health tips. The following is an example of implementing the Model View Controller method in the model section of designing a website.

### Table 1: Application of the MVC Method Part Model

<table>
<thead>
<tr>
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<th>Akar</th>
<th>Batang</th>
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The entire contents of the table above is the application of the Model View Controller method in the Model section, the data contained in is a model of the information sought, but in a general and universal form, the data will be presented as information through the View and Controller. The MVC method is a method that is divided into 3 parts, the parts are the Model, View and Controller, each part has a different function but has the same goal, namely to present information as desired by the user or the user. The following is a working concept of the application of the MVC method on the live pharmacy website.
Information:
1. The controller translates/receives commands from the user.
2. The controller sends commands from the user to the model (database).
3. The model then checks if the data requested by the user via the controller exists, if there is the model will send it to the controller.
4. The controller sends the data to the view.
5. The view returns to the controller for display.
6. So that the user can see the results in the form of information.

Implementation
Page Design “What is a Living Pharmacy” presents a profile about a live pharmacy, namely the understanding and explanation of why a plant can be called a medicinal plant and is categorized into a living pharmacy. On the "What is Apothecary Life" page, the implementation of the model view controller method or its implementation is the "What is Apotek Hidup" button represents the controller while the results displayed after pressing the button represent the view of the model view controller method while the model represents the data that is displayed. on display.
Figure 3: Live Pharmacy Page Display

Figure 4: Display of Plant Names and Their Benefits
Page design The “Living Pharmacy” presented in Figure 4 displays the names of plants that can be used as medicinal plants or plants that are classified as medicinal plants or pharmacy plants.

![Diagram](image)

Figure 5: Disease name page

The disease name page in the living pharmacy is a page that displays information about various types of diseases that can be treated with medicinal plants, because not all existing diseases can be overcome by using the plants in the live pharmacy. This page appears after clicking the “List of Live Pharmacies” button. On this page, it will be explained how to use live pharmacy plants to make medicine or use them. The following is a display of the utilization page presented in Figure 6.

![Diagram](image)

Figure 6: Utilization Page
The system designed using the Model View Controller method serves as a comparison between the methods used and the traditional method (pure PHP), and the authors discovered several advantages and disadvantages from their research that can be used as a benchmark for comparison when designing a system, in this case using the PHP programming language.

CONCLUSION

Based on the Living Pharmacy Web Information System Using the Method (Model View Controller) there are several conclusions that can be put forward as a result of the research process, namely: This Life Pharmacy information system application can be used as a medium of information which will eventually increase information about plants that exist around the environment that can be used as medicines. The system designed using the Model View Controller method is as a comparison between the methods used and the conventional method (pure PHP), and from this research the authors found several advantages and disadvantages that can be used as a reference for comparison in doing a system design, in this case are using the PHP programming language. The hope is, as a web developer, you shouldn't just stick to one conventional method, but try to improve your ability to develop applications, along with the easier and development of the PHP programming language itself.

REFERENCES


