Design Application Service E-Commerce Web Based Ornamental Plants

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ABSTRACT

Purpose: The development of the internet today has had a major impact on the progress of various industries. The sales system used in the ornamental plant sales process goods are still manual which are accessed by customers by visiting the location and seeing the product directly. The purpose of this study is to design a web-based ornamental plant e-commerce service application system to facilitate sales and purchase transactions.

Subjects and Methods: The testing method used is the black-box testing method, where the system is executed through trials and checking the functionality of the software.

Results: The results of testing this application are that customers register, so that customers get an account then customers log into the application to choose ornamental plants offered in the application, after finding the desired plant, then fill in the shipping address and type of payment which then forms information with the order status in process.

Conclusions: The conclusion of the testing of the ornamental plant e-commerce application system is that it is in accordance with what customers want in providing easy access to the application practically.

INTRODUCTION

The development of the internet which is now widely used in various circles, including offices, schools, businesses, and businesses that apply technology in the business sector to replace manual systems with systems that make updates easier by using the internet (Subani et al., 2021).

E-Commerce provides a huge market opportunity. Especially for ornamental plant entrepreneurs who want to market their products globally, and can also be used as information that contains advertisements while displaying products needed by customers to get information about the products they produce (Saputra et al., 2019).

CV. Ary Gasebo located on Jalan Danau Tanjung Bunga. Which is engaged in the ornamental plant sales business, has so far made a very significant contribution in spurring economic growth in the city of Makassar. This is because all ornamental plant entrepreneurs absorb a lot of labor, so that they can reduce the unemployment rate, will but CV. Ary Gazebo This Also Many problems have occurred, including the sales system used in the ornamental plant sales process is still manual, which is accessed by customers by visiting the location and seeing the product directly.

in sales. In addition, there is also less professional management, as well as promotional and marketing strategies for a product.

E - Commerce service application system to facilitate the marketing of agricultural products, namely ornamental plants.

LITERATURE REVIEW

Design

Design is a software engineering activity that is carried out using techniques that varies and provides details about the architecture of the software, data structures, and displays that are often structural. The purpose of the design is to produce a model or representation of the entity to be built (Agustian, Nurhadi, 2015)

Application

The definition of application according to the Big Indonesian Dictionary (KBBI) is the implementation from design system For processing data using certain programming language rules or provisions. An application is a computer program created to work on and carry out specific tasks from user users. (Maarif, Vadlya, Hidayat Muhammad Nur, 2018)

Service

According to dictionary big Language Indonesia, service means helping to prepare or taking care of what someone needs. service is the provision of services to customers according to their needs. It is also said that services can be defined as activities or benefits that can be provided by one party to another party that are basically intangible and do not result in ownership of something and its production may or may not be associated with a physical product (Yaqin, 2016).

E-commerce

Electronic Commerce (e-commerce) is the process of buying, selling or exchanging products, services and information via computer networks. E-commerce is part of e-business, in where the scope of e-business is broader, not just commerce but also includes collaboration with business partners, service customers, vacancy jobs etc. In addition to www network technology, e-commerce also requires database technology, e-mail or electronic mail. (e-mail), and other forms of non-computer technology such as goods delivery systems and payment tools for E-commerce (Unnes, 2020).

Web

According to the Web, it is an information presentation service that uses the concept of hyperlinks, which makes it easier for surfers (the term for computer users who browse or search for information via the internet) (Fristian, 2018).

PHP

PHP is abbreviation from PHP: Hyper Text Preprocessor (recursive, following the naming style in *nix), is the main server-side scripting language which is inserted into the HTML that is executed on the server, And Also Can used to create desktop applications (Tazkia, 2019) MySQL It is software that is classified as a database server and is Open Source. Open Source states that this software is equipped with source code (code used to create MySQL), besides of course the executable form or code. Which can run in a way directly in the operating system, and can be obtained by downloading it from the Internet for free (Alatas, 2013).

METHODOLOGY

The method used in this research is the SDLC (System Development Life Cycle) system development method. This design method produces and test the success of the application

Tool And material study

Tool Which used on study This is divided into 2, namely devices hard (processor: Intel(R) Core (TM), Page file: 4996MB used, 902 available, Memory: 4098MB RAM, Hard disk: 1 Tera) and software Xampp: Web server, Php: Web programming, MySQL: Database, Android studio: Text editor, Windows 10 pro 64-bit: Operating system system, Android OS: Android lollipop.

The materials used for the research were ornamental plants such as spider plants, begonias, red shoots and others.

Method testing

The testing method used is Black Box Testing which focuses on the functionality of the software. Application testing provides an overview of the conditions used in detecting several problems, namely errors related with function application, error in application display.

RESULTS AND DISCUSSION

Design system

The design stage is the stage of changing requirements that are still in the concept stage. to be specifications system Which ril.
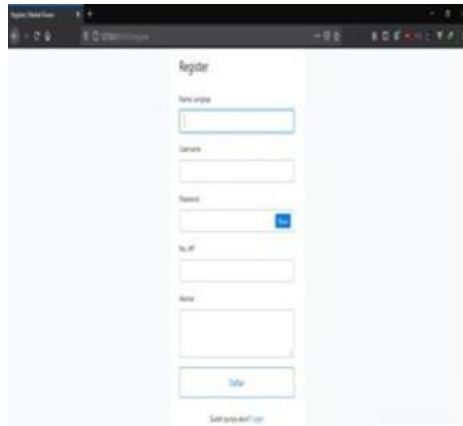

Figure 1. System Design

Appearance Application

web-based ornamental plant e-commerce service application:

Appearance list members

Displays the process of becoming a member of the application by filling in several data, starting from full name, username, password, cellphone number and address.

Figure 2. Appearance List Member Source: Researcher Data, 2021
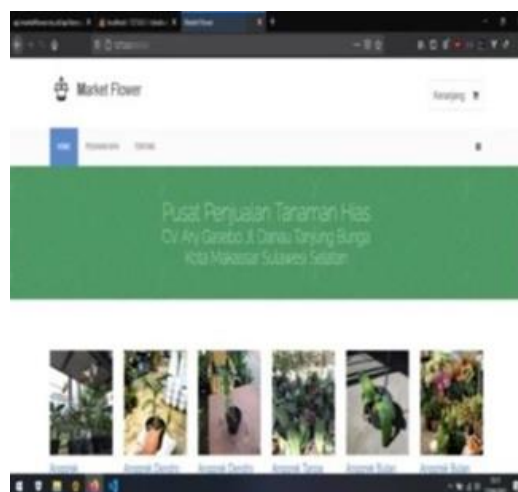
Appearance login process

Displays the login process for the user.

Figure 3. Appearance Process Login Source: Researcher Data, 2021

Home page view

Displaying all type ornamental plants and name and price.

Figure 4. Appearance Menu Home Source: Researcher Data, 2021

Detailed view of selected plant

Displays details of selected plant. For added to the order basket

Figure 5. Appearance Detail Plants Source: Researcher Data, 2021

Plant order view

Shows the plant order process with fill in address and type of payment

Figure 6. Appearance Order Plants Source: Researcher Data, 2021

View
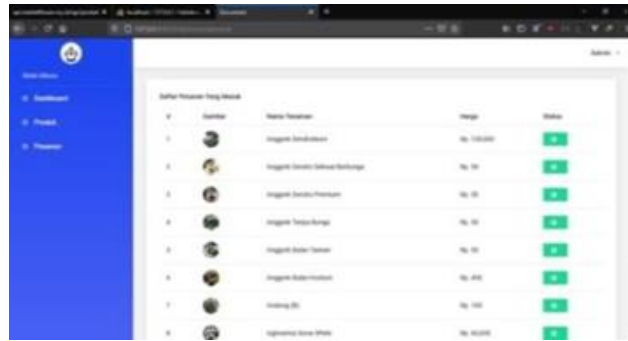
Displays product updates and incoming orders.

Figure 7. Appearance Dashboard Source: Researcher Data, 2021

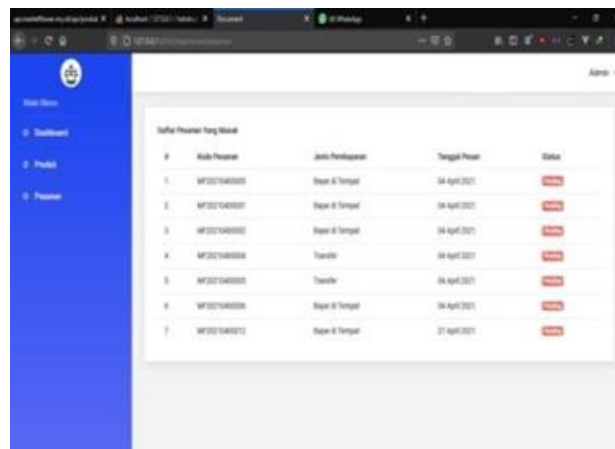### Appearance plant input

Showing process For input plants.

Figure 8. Appearance Input Plants Source: Researcher Data, 2021

View incoming orders

Displays all incoming orders, then confirms delivery.

Figure 11. Appearance Order Enter
Source: Researcher Data, 2021

Researcher previous

According to previous researchers Muhyiddin Zainul Arifin et al, regarding the Design and Construction of Pandukria E-Commerce Based on the Codeigniter Framework, this application is able to accommodate all products. made from pandan duri raw materials from UKM craft products Crafts fostered so it is hoped that it will speed up transactions between craftsmen and buyers (Arifin et al., 2019)

According to Sri Haryanti and Tri Irianto, Designing an E-Commerce Information System for Fashion Businesses, this application can help vendors to promote their plant products. decoration to make it easier to manage the e-commerce you have. can also help consumers who want to get information And order products without having to go directly to the store and find out about the latest stock collections and clothing trends without having to contact the vendor via SMS / telephone (Haryanti, 2010).

CONCLUSION

Design results In this application, the researcher concluded that after designing a web-based ornamental plant E-Commerce service application, the following conclusions can be drawn: 1) The implementation of this ornamental plant sales application can help shop owners to serve customers optimally by providing information. to customer details and ordering ornamental plants in the application; 2) This application allows shop owners to directly serve requests from; 3) The implementation of this application makes it easier for customers to buy ornamental plants without coming directly to the store and the goods will be delivered to their destination.

REFERENCES

Agustian, Nurhadi, I. (2015). Design of Android-Based Maternal and Child Health (KIA) Application. *Scientific Journal Media Processor*, *10* (2), 570–581.

Alatas, A. Z. (2013). *Design Get up And Implementation Application Mobile Android Based Commerce At Qonita Pekalongan Batik Shop.*

Arifin, MZ, Alfaris, HBI, Sufaidah, S., & Sifaunajah, A. (2019). Design and construction of Pandukria E-commerce based on the Codeigniter framework. *SAINTEKBU*, *11* (1), 1–11.

Fristian, E. (2018). Design of Web-Based Sales Information System in Outlet Plant Decorate. *Repository of Bina Sarana Informatika University*, 1–64.

Haryanti, S. (2010). System Design and Construction Information E-Commerce For Fashion Business Case Study Omah Mode Kudus. *Speed-Sentra Engineering Research and Education*, *3* (1).

Thank you, Vadlya, The Truth Muhammad Nur, WR (2018). Android-Based Tajwid Science Learning Application. *Evolution: Journal of Science and Management*, *6* (1), 91–100. https://doi.org/10.31294/evolusi.v6i1. 3586

Mr. Saputra, D., Isaac, R., & Setiaji, S. (2019). Designing an E-Commerce Website as a Media for Selling Miniature Buses. *Syntax Literate; Indonesian Scientific Journal*, *4* (12), 87–103.

Subani, M., Ramadhan, I., Sumarno, S., & Putra, AS (2021). The Development of the Internet of Think (IOT) and Computer Installations on the Development of Smart Cities in the Capital City of DKI Jakarta. *IKRA-ITH INFORMATICS: Journal Computer And Informatics*, *5* (1), 88– 93.

Tazkia, ZZ (2019). Design of Profit and Loss Financial Report Accounting Information System at Eatboss Restaurant Using PHP and MySQL. *Is The Best Accounting Information Systems and Information Technology Business Enterprise This Is Link for OJS Us* , *4* (1), 426–440. https://doi.org/10.34010/aisthebest.v4 i1.1831