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WEB-BASED DATA INFORMATION SYSTEM FOR COMMUNICATION PRODUCT SELLING (WICO)

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ABSTRACT

At this time the development of technology can be said to be very rapid, because many people are looking for information that is on the internet. PT. Telkom is one of the ISP service providers in Indonesia that can provide facilities in the form of internet, cable tv, and home telephone. Telkom still offers internet installation through offices, and distributes brochures on the street. So that applications are needed that can disseminate information in full. The purpose of this practical work activity is to make a web-based application with the PHP programming language that aims to support the registration of resellers, information, and also feedback hopefully this application can help "PT. Telkom Treg III"

Keyword: Information System, Reseller, Data Reseller

INTRODUCTION

The development of the world of information technology at this time is growing rapidly, almost all aspects of life use internet services, from what used to be a cable network, now it has developed with wireless technology or better known as Wifi Telecommunications products providing WIFI-based product services, one of which is Wifi Corner or what we call WICO. Digital Service & WIFI (DSW) has a role in managing the website selling sales of communication devices which contains information, attractive promos, and registering resellers. With the website, it will make it easier to speed up the spread of promo information and make it easier for people who want to use products from Telecommunications and there is a live chat feature that makes it easy for the public to ask about the information obtained. So, it can also minimize the errors of information obtained by the community. Based on the

background above, the authors aim to make the website application incorporated Telkom Regional III.

Telekomunikasi Indonesia, Tbk. (Referred to as TELKOM) is a BUMN (state-owned enterprises) engaged in telecommunications and network services in the territory of Indonesia. As a state-owned company whose shares are traded on the stock exchange, the majority shareholder of the Company is the Government of the Republic of Indonesia while the rest is controlled by the public. In 1999 Law No. 36 of 1999 concerning Telecommunications was

established. Since 1989, the Government of Indonesia has been deregulating the telecommunications sector by opening free market competition. Thus, Telkom no longer has a monopoly in the field of telecommunications and network services in the territory of Indonesia

Telkom began in 1856, precisely on October 23, 1856, which was in 2017 where, Telkom provided electromagnetic telegraph operation services in Indonesia at that time. Telkom (telecommunication) became the first telegram service provider in communication. Indonesia can connect the city of Batavia (Jakarta) with the city of Buitenzorg (Bogor) by the Dutch colonial government. Then in 1884, the Dutch colonial government established a private company that provided post and telegraph services from domestic to international. Telephone services were introduced in Indonesia in 1882 until 1906 telephone services were provided by private companies as government licenses for 25 years. Until the early 20th century, precisely in 1906 the Dutch Colonial Government controlled all Indonesian postal and telecommunications services. (Source: PT. Telkom Annual Report 2016).

Website

Website is a collection of various site pages summarized in a domain or subdomain located on the World Wide Web (WWW), of course be found on the internet A database is a collection of data items that are interconnected to one another that are organized based on a particular scheme or structure, stored on computer hardware and with software to manipulate for certain uses [1]. Database is required because :

1. One important component in information systems, because it is the basis for providing information.
2. Determine the quality of information: accurate, timely and relevant.
3. Information able to said to be valuable if the benefits are more effective than the costs of obtaining it.
4. Reducing data duplication (data redundancy)
5. Data relations can be improved (data relatability).

In 1961, half of this telecommunications service was transferred to state-owned companies. In 1965, the Indonesian government separated the postal and telecommunications services into two different state-owned companies, PN Pos and Giro (now Pos Indonesia) and PN Telekomunikasi Indonesia. In 1974, PN (State Enterprise) was divided into two State-owned companies, namely the General

Telecommunications Company (Perumtel), which is an international domestic telecommunications service provider and PT. Telecommunications Industry ("PT. INTI") which is engaged as a maker of telecommunications equipment. And in 1980, this business was taken by Indosat (Indonesian Satellite Corporation). (Source: PT. Telkom Annual Report 2016) Then in 1991, "Perumtel" underwent a change of status to become a State-Owned Limited Corporation (P.T) under the name of the company PT. Telekomunikasi Indonesia is commonly called the Telkom community. Then there is the division of the area of business operations up to twelve areas known as witel (telecommunications area). Every Witel has a commitment that is fully responsible for business aspects in their respective regions, from telephone service providers to property management and security. Then in 1995, Telkom changed the division of operating areas from twelve regions into seven regions which were then called regional divisions. Regional divisions include [2].

Personal Home Page

Personal Home Page (PHP) was created by Ramus Lerdorf, a reliable C programmer. Initially PHP was only used to record the number of visitors on the homepage. Rasmus is an open source supporter. That's why he issued Personal Home Page Tools version 1.0 for free. After learning YACC and GNU Bison, Rasmus added PHP 1.0 capabilities and published PHP 2.0. PHP (Hypertext Preprocessor) is an Open Source licensed scripting programming language. This script can be mixed with HTML Tag scripts so that because of its ability, it is called an embeded language in HTML tags. And PHP has 40 functions the same III-4 with scripts such as ASP (Active Serever Page), Cold Fusion, and Perl [3].

Xampp

Xampp is software that supports many operating systems and compilation of several programs, which consist of Apace (web server), MySQL (database), and languages written in programming language, php (server side scripting), perl, ftp server, PHP myadmin and various other help libraries. With this xampp programs are automatically installed and are an easy-to-use web server that is configured and ready to use MyLiveChat is an enterprise-level live chat system that you can add to your website to support your company's live chat services and provide several advantages, such as security, reliability, and ease of use [4] .

3.6 MySQL

MySQL is a program that used able as a database, and is one of the most widely used database server software. MySQL is open source and uses SQL. MySQL can be run on various platforms such as Windows, Linux. PhpMyAdmin is a software that is shaped like a web page contained on a web server, functions as a MySQL database controller and is open source [5].

Reseller

The definition of a reseller is a person who buys a product from a distributor or supplier at a cheaper price from the market to sell back in the hope of getting a number of benefits from selling these items [6].

Reseller Benefits

1. Suitable for those of you who are still beginners and want to learn the system of buying and selling online we don't need to directly produce our own goods.
2. With relatively minimal capital this business can still be run making it possible for everyone to get involved in this one business.
3. Considering the market for online shopping in Indonesia is very large, the opportunity to develop even though it starts from being a reseller or dropshipper is still there.
4. The risk you bear if you go into business with these two systems also still be too large so that it can be used as a market test before you can really jump into your own production.

Reseller weakness

1. Considering the goods are not self-produced, then the risk of running out of goods from the supplier is always there so that you don't have sales. Even because it sells well, the supplier does not hesitate to provide a monthly ration limit on the product
2. Limited profits because usually the selling price from suppliers is only a little difference from your selling price to the consumer so that it makes the benefits not too big.
3. If there is a certain best-selling product, then people who want to resell and dropship enable systems because they take part in market demand so that it makes the market, making it difficult to reach.
4. There are so many competitors for both systems that you are obliged to prepare innovations and new ideas for promotion.

Form

Form is used to receive input from the user and process the input results to the server. Using forms that only use HTML alone will not be really useful. Form generally only in the interfaces that are presented to collect data / information that comes from the user, this data will be processed in a programming language like JavaScript or PHP, and stored in a MySQL database. The command or tag used is <FORM> and ends with a tag </ FORM >. Fields that are included are used to select the size of the type / type of each input field [7].

SYSTEM ANALYSIS AND DESIGN

System analysis is observations on the work processes contained in (PT. Telkom Regional III) The system analysis phase is the translation of a complete information system into various component parts, in order to identify the various problems that will arise in the system. So that later it became countermeasures, improvements or also development. This diagram models the business processes and sequence of activities in a logically made application program process. This chart is used primarily for communication aids and documentation. Below this in activity diagram:

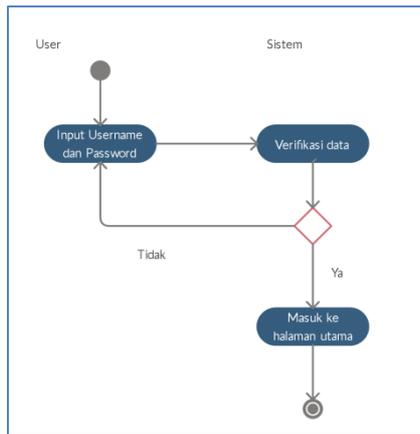


Figure 1 .Activity Diagram Login

Class Diagram

Class Diagram is a specification of functionality that produces objects and core of the development application. This diagram is also a description main attribute or method. The following (Figure 2) is a class diagram of this application.

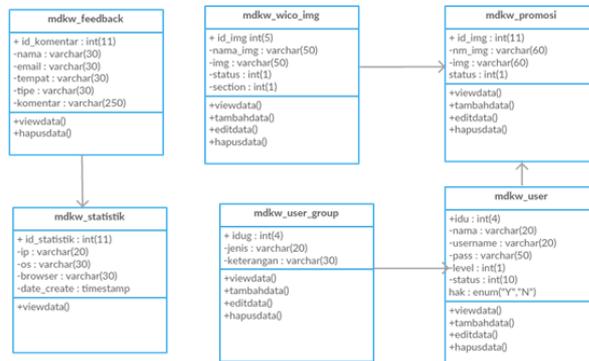


Figure 2 Class Diagram

INTERFACE DESIGN

Interface design describes the routine program to be run by a computerized system to explain the interaction between users (customer) with the program created. The interface design that will be used in the system able to seen in the image below:

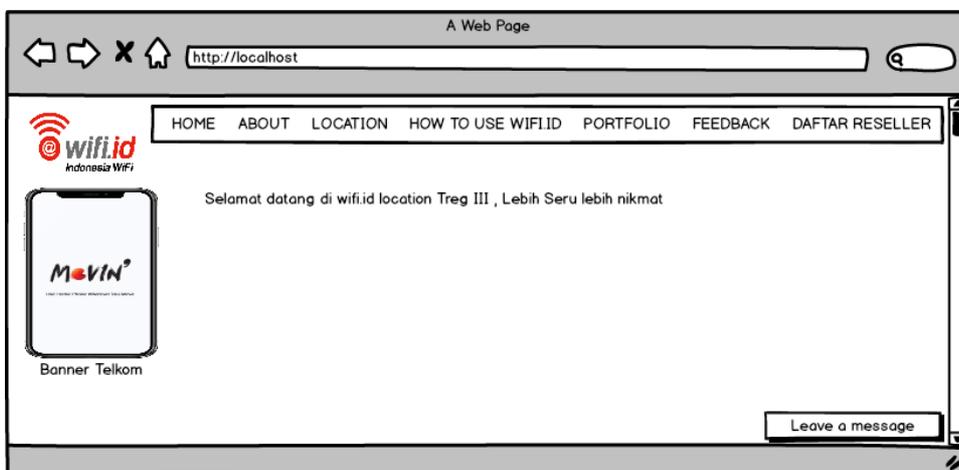


Figure 3 Display on the Home menu

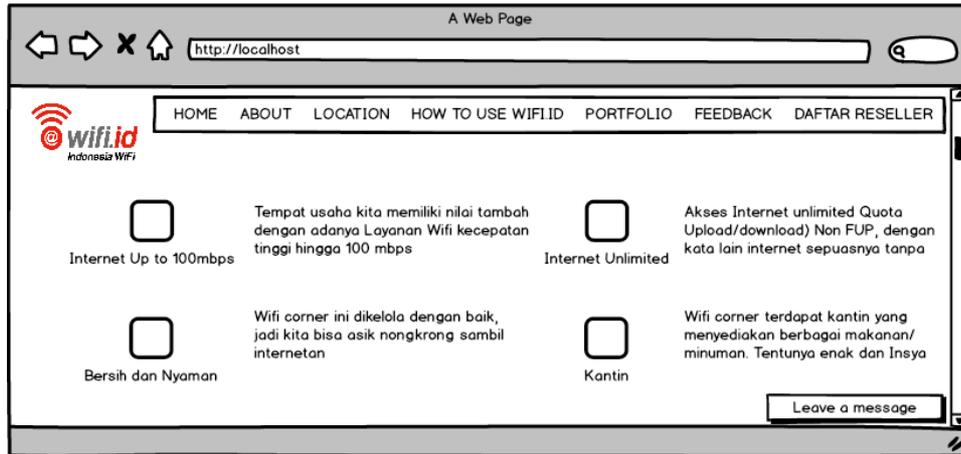


Figure 4 .Display of the About menu

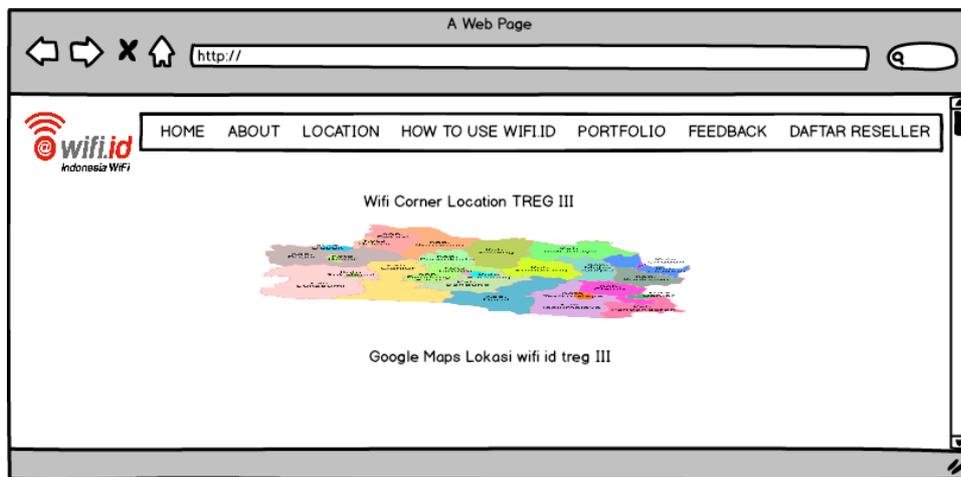


Figure 5. Display the Location menu

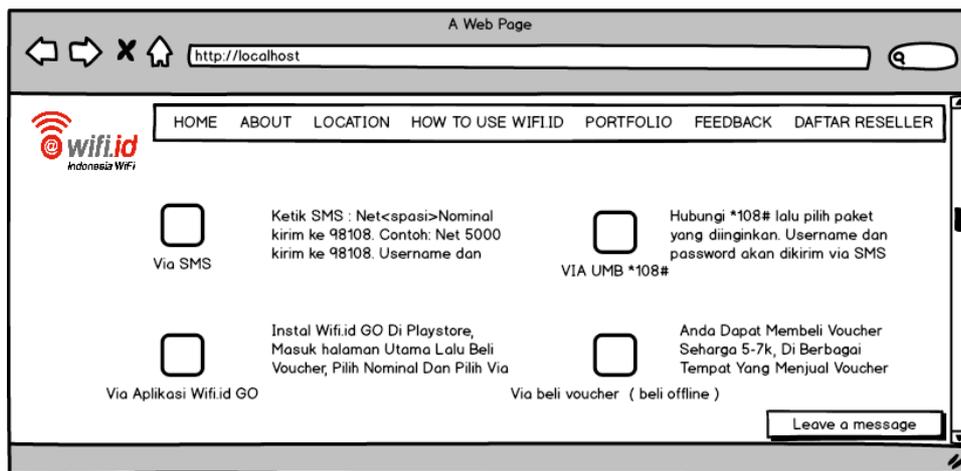


Figure 6. How to Use wifi menu display.

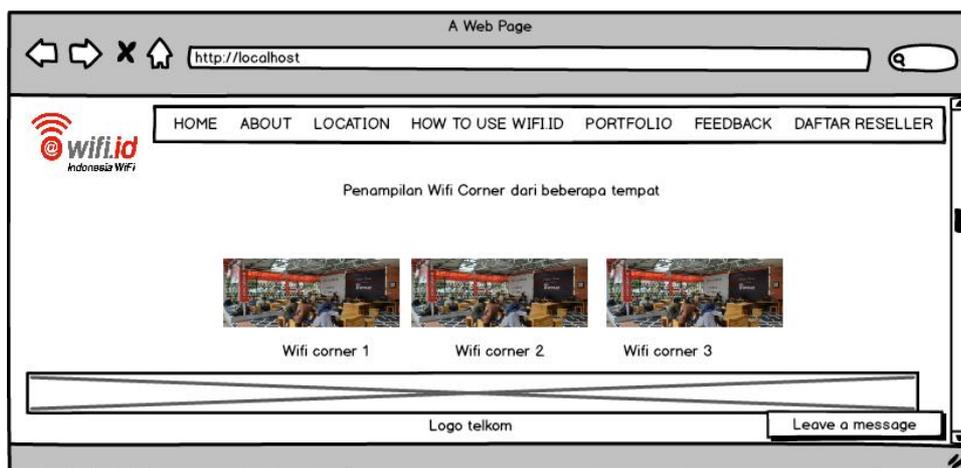
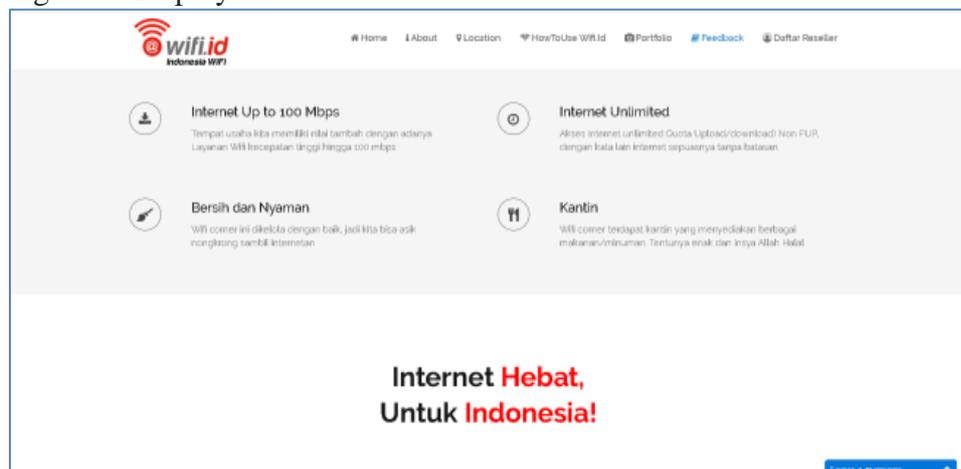


Figure 7. Display the Portfolio menu

The implementation of the interface application design and appearance of “PT. TELKOM REG III” Bandung at PT Telekomunikasi Indonesia Regional Division III West Java ready for use. Following the results implementation and design of the interface, In the main view, the user will see the User Interface (UI) website of PT. Telkom Reg III (Figure 8)



Figure 8 Display About



When clicking on the about tab, a display like (Figure 9) will appear.

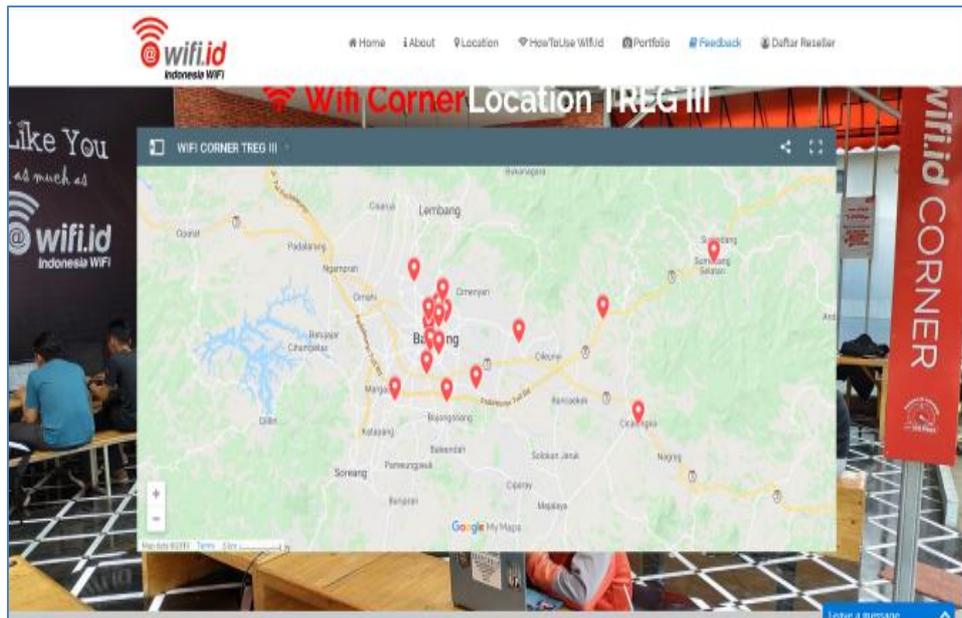


figure 10. Promosi Home

On this page (Figure 10) admin visible , add, edit, delete the list of wifi corner.Admin photos must fill in the Image Title and Image form, then click save to save changes (Figure 11).

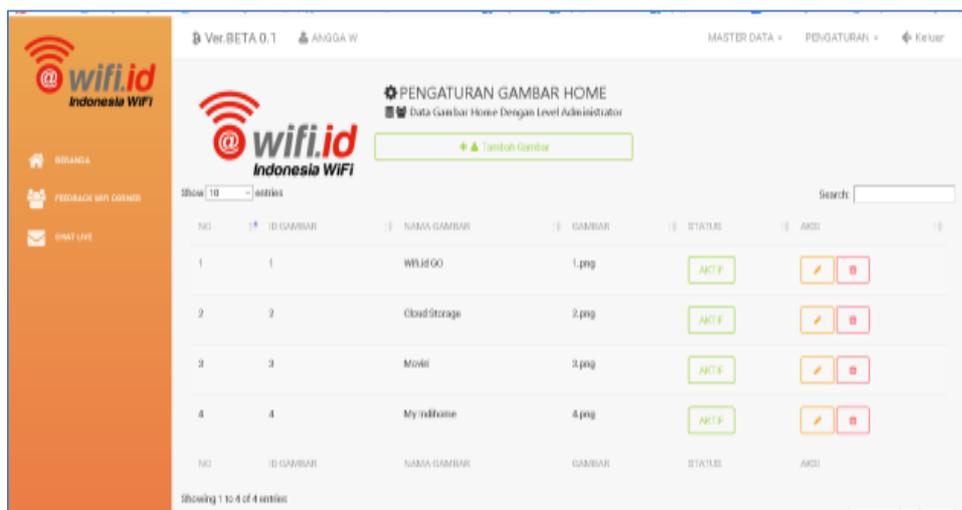


Figure 11. data product

CONCLUSION

From the results of this study in the Digital Service & Wifi section produces a website application of PT. Telkom Regional III which is web based, able to concluded as follows that the information system has been built by PT. Telkom Regional III which can provide information about Telkom and this web application has features such as add, change, delete, search for data available on PT. Telkom Regional III, admin panel features and reseller list.The author realizes this web application still has shortcomings and is still unperfect so it still requires improvements in accordance with other needs and therefore recommended the holding of development and maintenance of the system on a regular basis and other features as needed.

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