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Design of a Web-Based Coffeeshop Ordering Information System

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A B S T R A K

Coffee is a drink that is brewed from coffee beans that have been roasted and ground into coffee grounds. In addition to the distinctive taste and aroma of coffee, it also contains caffeine which can help reduce the risk of developing cancer, diabetes, heart disease and various other diseases. Therefore, information related to coffee is created, apart from this application provides information about coffee, it also carries out the buying and selling process. The needs provided are several types of local coffee in the territory of Indonesia. Making this system using the PHP programming language. The system that is made has several features, namely the starting location of the delivery of goods in the medan, the process of sending goods or orders is directly selected by the customer. The delivery services used are JNE, JTE and the Post Office. For goods purchase transactions, customers can choose the payment method available on the application, namely via transfer or using the OVO application that is already listed on the application.

INTRODUCTION

Coffee (Coffee) is a drink made from brewing beans coffee that has been roasted and ground into powder. Coffee is one of the commodities in the world cultivated in more than 50 countries. Two varieties of coffee trees are generally known namely Robusta Coffee (Coffea canephora) and Arabica Coffee (Coffea arabica).

Coffeeshop is a trading unit that engaged in the field of coffee sales in Medan City, the Medan Maimun area is still having difficulty developing sales and promotions, due to the system sales are still conventional, that is, customers still have to come to the seller's place directly and promotion only through person to person. However with the increasingly rapid development of technology Nowadays, this method is considered inadequate because it is not all groups can receive information about Coffeeshop and clearly this has a big influence sales due to customers or consumers Those who want to purchase coffee still have to Come to the sales place if you want to buy a product from the coffeeshop itself. So the party from coffeeshop felt it was still less than what it was expect.

Because the sales system is still in place conventional, the coffee shop wants develop a sales and promotion system much better, effective, efficient and economical costs. With the hope that when the coffeeshop can afford it carry out promotions and sales with the system more effective and accessible to all circles, not only around the Medan Maimun area but it can even be accessed by coffee enthusiasts in outside the Medan Maimun area.

So the author provides a solution to create web-based sales and promotion application with utilize the internet as a means of promotion and sale. With the hope that society will be more Get to know about the coffee shop and its products.

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METHOD

Test Method

The test method used in this research using the following test method:

1. Black Box Method
   Black box testing is a purposeful test to show the software functions about how the program operates, so all the processes that the application will be tested using the black box method whether the software can operate, that input is received properly and output is generated appropriately.
2. White Box Method
   Testing how the software works itself, namely the program procedure (basis pat) or a looping (repetition) process that focuses on effectiveness of the designed application.

Research Stages

The stages carried out by the author in the design of this application is as follows:

1. Research Preparation
   The preparation stage is the stage carried out before conduct research. This stage begins by examining existing problems then conduct a literature study regarding the problem being researched.
2. Literature Study
   The implementation stage is the implementation stage study. At this stage several activities are carried out related to the future research done. At this stage there are four steps must be fulfilled in order to achieve maximum results in research, namely the data collection stage using several collection methods data that has been explained in the point above, data processing, data analysis and so on interpretation of analysis results. After these activities, the next process is to carry out tasks field in order to collect data, for then it will be processed. The process in question includes editing, application of internal problems program applications, as well as analysis as withdrawal conclusion of the final results.
3. Data Collection
   At this stage the researcher searches for data in various sources to be collected and studied Furthermore.
4. Analysis
   At the analysis stage, researchers carry out analysis to the problems studied later formulate the problem that is the subject of the research so that alternative solutions to the problem can be created.
5. Design
   Researchers then design the desired application created based on alternative problem solving.
6. Testing
   After carrying out the design, the researcher then test the results of the design that has been made. If the results the design has shortcomings or weaknesses then return to the analysis stage.
7. Implementation
   After the design there are no shortcomings then the application is ready to be used by the user.
8. Completion Stage
   The completion stage is the final stage carried out in the research carried out. At stage This is how the research report is prepared.

Data type

Types of data collected in this research are primary data and relevant secondary data with the issues to be discussed.

1. Primary Data
   Primary data is data that originates or data that is obtained directly from sources located in field from related parties with this research, namely the creation of a based application web on a lot of coffee.
2. Secondary Data
   Secondary Data is data obtained indirectly directly from research objects such as books and journals related to the method used in the application web-based that will be created.

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Program Flowchart

Running System

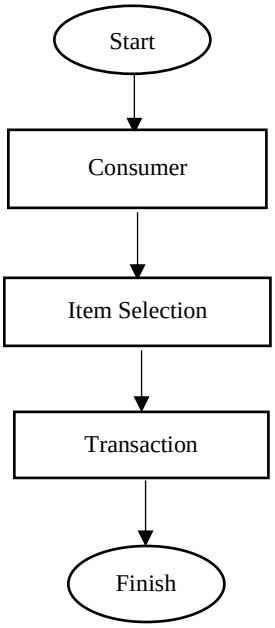

Figure 1. Flowchart of the Running System

The description of the stages in Figure 1 above is as follows:

1. Consumer.
   Consumers come directly to the location of a lot of coffee
2. Selection of goods.
   Consumers choose goods or products (coffee).
3. Transaction.
   After consumers

The Proposed System

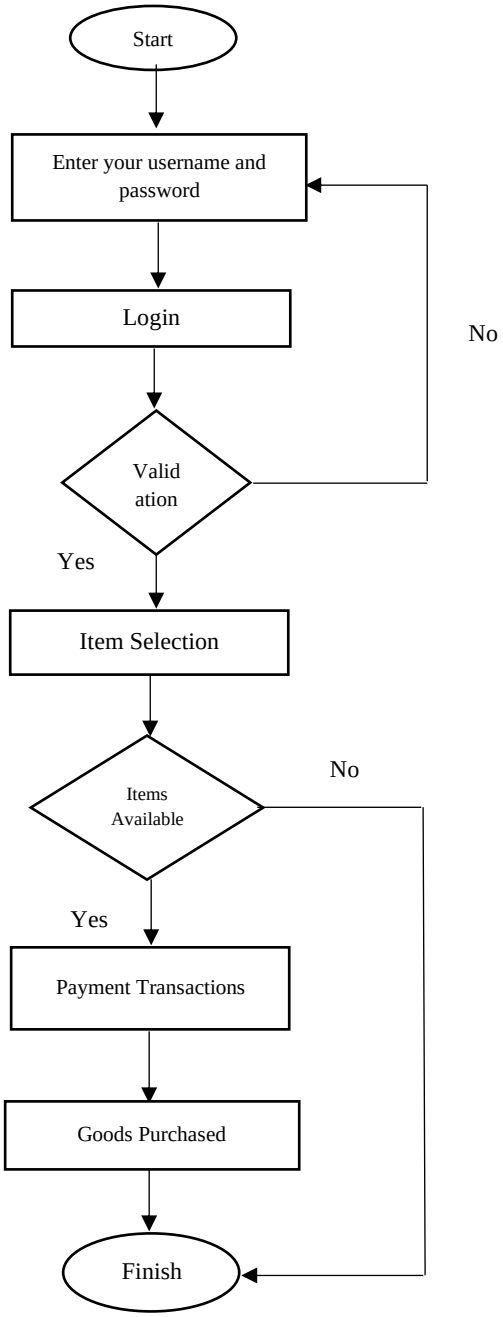

Figure 2. Flowchart of the Proposed System

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1. The description of the stages in Figure 2 above is as follows:
2. The first step when opening the system, the user must fill in the username and password to be able to enter the system.
3. Once the username and password are entered correctly, the user can enter the system.
4. Then after the user successfully enters the system, the system will carry out validation.
5. After user validation is received by the system, the user can select the desired item.
6. At this stage, if the item selected by the user is available then the next stage is that the user must make a payment transaction.
7. And this stage is the final stage, if the user has carried out the payment process then the user can take the items the user wants.

RESULTS AND DISCUSSION

Design

The design stage consists of 4 design menus, namely Home, About Us, Menu and Contact. In the image below informs the design menu “About Us”.

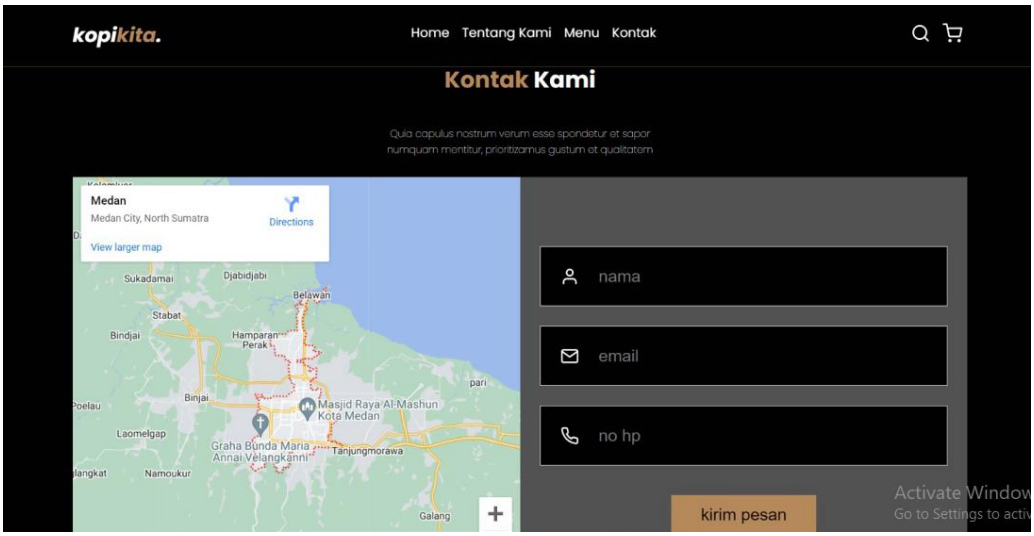

Figure 3. Contact Menu Display

Figure 3 above explains the coffeeshop address plan information and also explains the admin contacts who can be contacted when customers want to order coffee. First, customers must fill in the 3 menus in the "Contact Us" menu, namely name, email and cellphone number.

Next in Figure 4 is the "About Us" menu display. Which contains information about our coffeeshop.

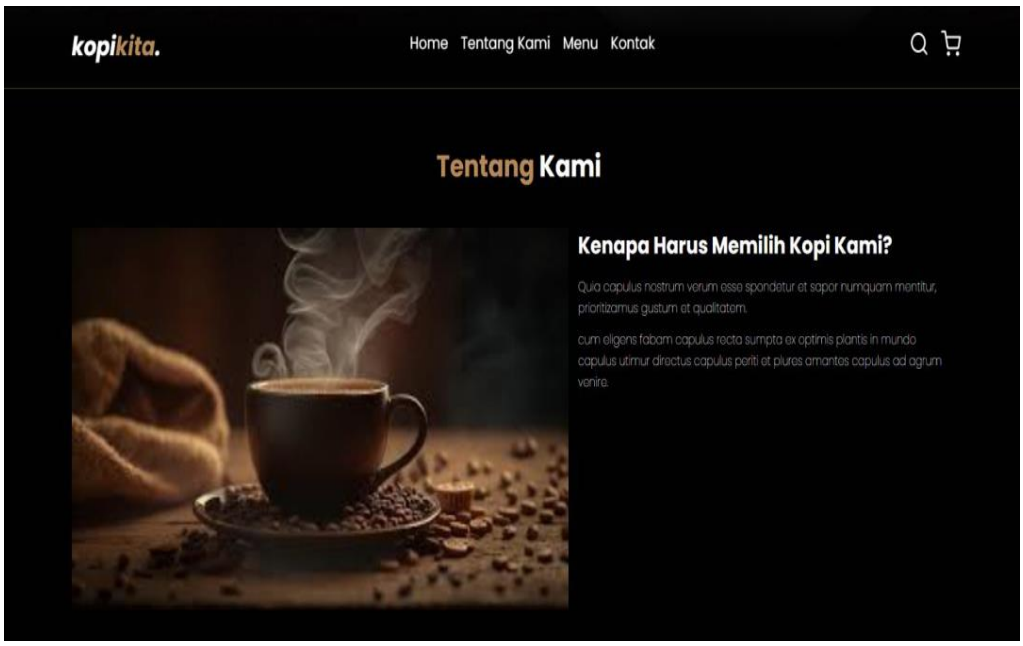

Figure 4. About Us Display

In figure 4 above is a display of the "About Us" image. This display contains information about why you should choose coffee from the coffee shop.

In the picture below is a display of the menu in the coffee shop. Figure 5 displays information on various types of coffee menus in the coffee shop.

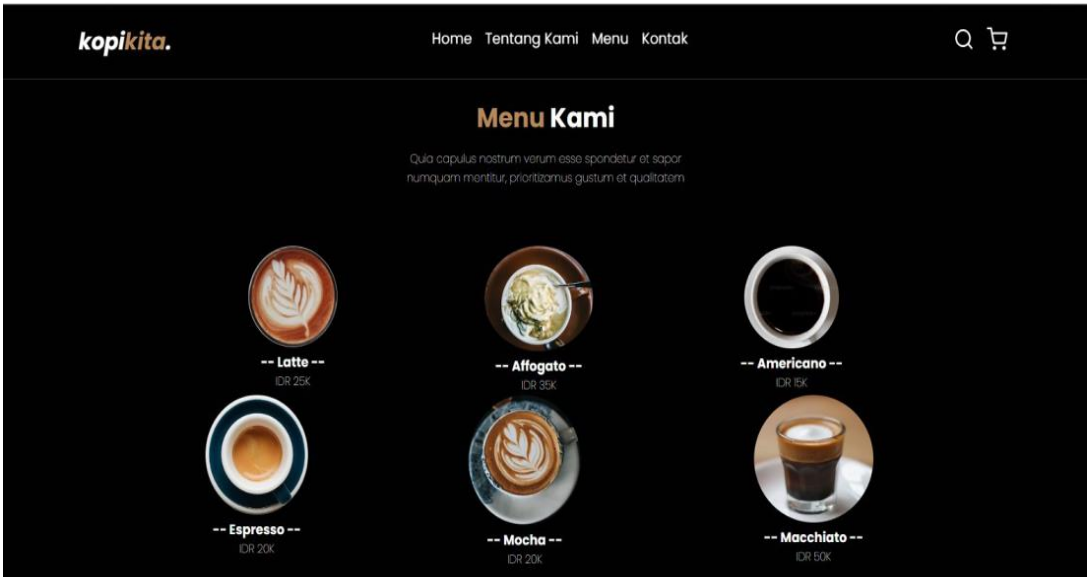

Figure 5. Menu Display

In the menu display, Figure 5 shows the menu available at the coffee shop. There are 6 types of menu available, namely latte, affogato, americano, espresso, mocha and macchiato. With each menu each price is listed.

CONCLUSIONS

Based on the results of system testing carried out by the author, it can be concluded that What the admin can do is include: inputting Product data, Price data, Making Reports, View customer data, and Transaction data. Meanwhile, customers can carry out activities Returns must be processed again by admin and see the existing information provided by admin. Researchers chose the PHP programming language in creating the system because the PHP programming language is

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very good and easy to use and access by users. Apart from that, the PHP programming language is also easy for users to understand and understand.

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