



Information System Introduction and Sales of Furniture Products in Mebel Berkah Indramayu Regency Using the Web

Nursadi¹, Suhana Minah Jaya²

¹Universitas Muhammadiyah Cirebon, Jawa Barat, Indonesia, email:

²Universitas Muhammadiyah Cirebon, Jawa Barat, Indonesia, email:

Abstract. This research aims to create a computerized product recognition and sales system using the Mebel Berkah Indramayu Regency website. For a proliferating company such as Mebel Berkah Kabupaten Indramayu, one of the leading furniture companies in Indramayu that produces *national quality indoor* and outdoor furniture, processing safe, fast, and accurate information systems is essential. Unfortunately, the use of information technology in Indramayu Regency Blessing Furniture is not optimal. The method used is descriptive qualitative because it describes or analyzes a research result but is not used to make broader conclusions. The result is that when the application is first run, a *splash screen will appear*. The *splash screen* is the opening screen for this application. During the *splash screen*, the system also reads data from the *database server* stored in the *MySQL database* using a *web service* as a connecting bridge.

Keywords: Information, System, Furniture, Company, Computer

INTRODUCTION

The development of information technology, especially computer-based information technology, is considered very rapid, affecting all aspects of work. Almost all companies, in terms of disseminating information and increasing the effectiveness of work and services, have used computer information systems. With the existence of computers as data processing tools, it is expected that all fields in a company or agency can be computerized to support a company's success in achieving its goals.

For a company that is snowballing, such as Mebel Berkah Kabupaten Indramayu, one of the leading furniture companies in Indramayu that produces *national quality indoor* and outdoor furniture, processing safe, fast, and accurate information systems is very necessary. Unfortunately, the use of information technology in Mebel Berkah Kabupaten Indramayu is not optimal.

The company still uses the *Microsoft Office Excel* application to process its data. Product introduction to consumers and product orders to sales are still handled manually. So, it takes time for the company to introduce products to consumers to handle the sale. Based on the background of the above problems, the author is interested in conducting research that is poured into a web-based product introduction and sales information system so that the handling of the product recognition and sales system can be done online. The problem experienced by developing MSMEs is the process of marketing and promoting handicraft products, which has been carried out manually and is limited because it only relies on word of mouth and door-to-door information, so bag handicraft products are only marketed in Kudus Regency and its surroundings.

METHOD

Research Methodology is Software Engineering Method The Software engineering method uses the waterfall method. System Design Method System design uses *unified modeling language* (UML). This system works with *object-oriented architecture design* (OOAD) with one consistent model to determine, visualize, construct, and document.

The data collection method uses observation, literature, and interview methods. The design of this information system uses *use case diagrams, class diagrams, and databases*. DBMS is a software system that allows users to create, maintain, control, and access databases practically and efficiently.

- a. Online sales systems can help the process of marketing furniture products by processing product orders made by members.
- b. The resulting information includes product reports and member reports, as well as sales reports.
- c. Design of online sales information system to improve furniture product marketing using *unified modelling language* (UML) modeling and MySQL database.

DISCUSSION

Application Usage

Applications resulting from the design of sales information systems in general, which make it easier to get information. Before entering the system page, the application will display a *login* page to filter users access rights to the application. To build a writer system using a local *server* (*localhost*), when the application is first run the system will read data from the *Server* on the *MySQL database*. As a liaison between Android and *MySQL*, a *Web Service file* in the form of *PHP* is needed to read data from the *database*.

Login Page (*Website Index*)

The *login* page is the page that will be displayed when the user fills out the Address form in the *Mozilla Firefox Browser* displayed in figure 1.

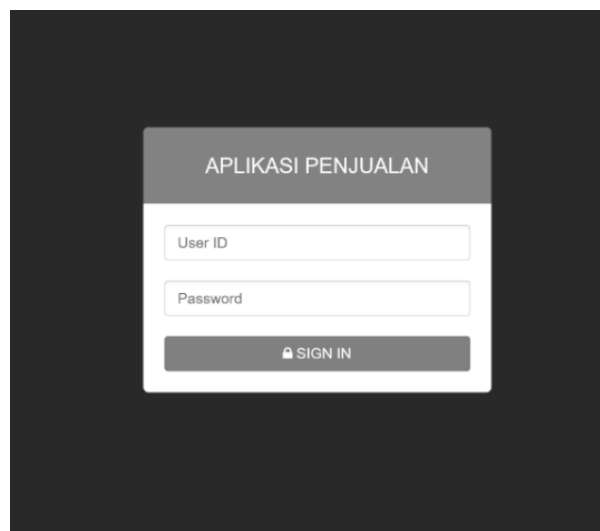


Figure 1. Login Page

Figure 2. Explained, the system will display a message when the *admin* enters *user name* and *password data*, not according to those in the database table structure .

LOGIN GAGAL!
Username atau Password Anda tidak benar.
Atau account Anda sedang diblokir.
ULANGI LAGI

Figure 2. Message Page

Home Page

The main page consists of six main menus, namely: *home menu*, *master menu*, *transaction menu*, *report menu*, *utility menu* and *logout menu*. *The menu* has a *sub menu*, the *first master menu* consists of four *submenus*: *Item Name*, *Stock Item*, *Sold*, and *Item Category*, the *report menu* has an *order submenu*, the *change password submenu* is on the *utility menu* and *logout*. The main page can be seen on 3:

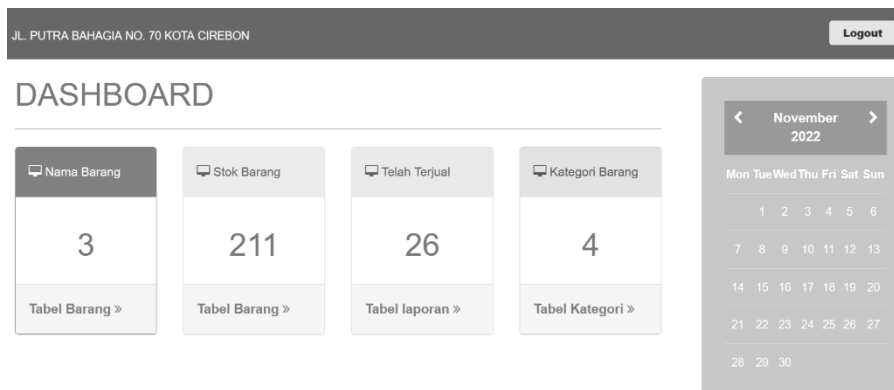


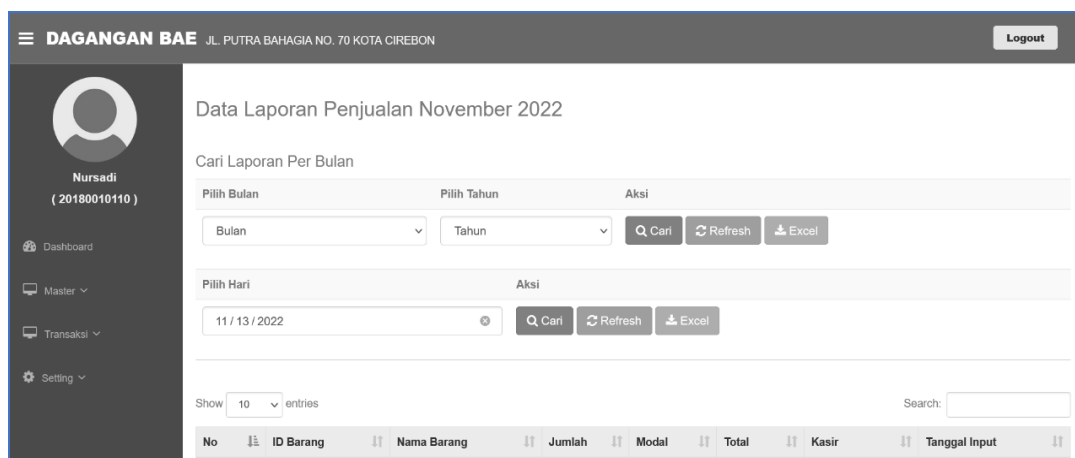
Figure 3. Home

Transaction Page

The transaction page contains an *order submenu*, which serves to view buyer data and change the payment status. To make changes to the payment status on the transaction page, namely:

Reports page

The report is a page used to view detailed data from each sales transaction in the form of table data based on /day, /month or /period (year). The report page is shown in figure 4:



Testing

Testing is the process of implementing a program with the aim of finding errors or functions that are not in accordance with the purpose of developing the program made, so that improvements can be made if there are errors in this sales information system application.

Test Plan

The application test plan for product recognition and sales of furniture products on web-based mobile devices, using web *services* is carried out by the author with the *black box* testing method. The test plan is shown in the form of table 1:

Table 1. Test Plan

Test Class	Test Grain Code	Test Item Name	Testing Techniques
Login	1.1	Login with the correct username and password	Black box
	1.2	Login by leaving the username and password fields blank	Black box
	1.3	Login with the wrong password	Black box
Product	2.1	Product data addition	Black box
	2.2	Product data changes	Black box
	2.3	Delete product data	Black box
Transaction	3.1	Change payment status data	Black box
	3.2	Display detailed order data	Black box
Report	4.1	View period revenue inputs	Black box
	4.2	Select data with the correct data	Black box
Splash Screen	5.1	Display the splash screen	Black box
Main menu	6.1	Displays product menu, contact us, about app and exit button	Black box
Product Menu	7.1	The system will retrieve the data from the server	Black box
	7.2	Display product pages	Black box

Table 1. Test Plan (Advanced)

Test Results

The *black box* method focuses on the functional requirements of the system. Testing with the *black box* method serves to find out whether the system can run properly as expected. The following are the results of testing with the *black box* method in this application, on web-based mobile devices using web services.

Table 2. Testing with *Username and Correct Password*

Number			
Test Grain Code			
Test Class	<i>Login</i>		
Test Item Name	Testing with <i>the correct username and password</i>		
Purpose	Check whether you can <i>log in</i> with a <i>username</i> and <i>password</i> that has been stored in the <i>database</i>		
Initial Conditions	Login page		
Scenario	Fill in your <i>username</i> and <i>password</i> Select the login button		
Result			
Data provided	Expected results	Results obtained from observations	Conclusion
Contoh <i>login</i> <i>username: admin</i> <i>Password: admin</i>	Login successfully and log in to Menu page <i>main</i>	System Display the <i>main menu</i> page	Fulfilled

Report

Testing to display *period revenue inputs* and *select data with the correct data* can be seen in each table, namely:

Table 3. View *Input Revenue Period*

Number			
Test Grain Code			
Test Class	Report		
Test Item Name	View period revenue inputs		
Purpose	View the period revenue input page		
Initial Conditions	Home page		
Scenario	<i>Admin</i> signed in successfully <i>Admin</i> selects <i>report menu</i> <i>Admin</i> presses the show button		
Result			
Data provided	Expected results	Results obtained from observations	Conclusion
	The system will Display the Period Revenue Input page	System Display the Period Revenue Input page	Fulfilled

CONCLUSION

Information System for Introduction and Sales of Furniture Products Berkah Mebel Indramayu was successfully created using PHP programming language, can run on Windows operating systems, and can be integrated with *MySQL databases* through *web services*. The application can be implemented well as a supporting application in sales reporting, and the system can help consumers obtain product information.

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