

Web-Based Petroleum Sales Accounting Information System

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ABSTRACT

Keyword:

Accounting
Development
Purchase
Sales
System

PT Radha Pratama Jaya is a business engaged in the sale of petroleum. Operations at PT Radha Pratama Jaya are carried out every day. With such an operating system, company management requires fast and accurate accounting information. So that the application of an accounting information system is needed by companies to get good information in order to facilitate the company's business activities. There are many sales transactions carried out in a day at PT Radha Pratama Jaya, and it causes employees to be unable to record transactions quickly. The use of computers that are still minimal because they still use a manual system makes the risk of misrepresentation very large. In addition, the archiving technique is not good, sales documents do not have duplicate documents so that documents are easily lost because the storage is not good. The objective to be achieved in this study is to design a Web-Based Petroleum Sales Accounting Information System that is expected to be used by the Admin and sales department in assisting the Purchase and Sale of Petroleum at PT Radha Pratama Jaya. The method used in system development in this study is a prototype model, because in the development of this system to avoid time delays and cost far above what is budgeted to get a system that meets the needs of users. The result of this study is the processing of sales accounting information system data at PT Radha Pratama Jaya Bandar Lampung, currently the data processing is still manual, resulting in the creation and search of purchase and sales reports needed by the leadership to be late when needed by the leadership. The Sales Accounting Information System at PT Radha Pratama Jaya Bandar Lampung can facilitate the search and update of data that will be used for the creation and search of Purchase and Sales reports needed by leaders.

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1. INTRODUCING

The sales accounting information system is a system that has a major influence on the success of a company because sales are business activities carried out by the company to be able to make a profit[1]–[3]. The object in this study is the sales accounting information system at PT. Radha Pratama Jaya. Pt. Radha

Pratama Jaya itself is a business engaged in the sale of petroleum. Operations at PT. Radha Pratama Jaya is conducted every day. With such an operating system, company management requires fast and accurate accounting information. So that the application of an accounting information system is needed by companies to get good information in order to facilitate the company's business activities. Cash sales accounting information system implemented in PT. Radha Pratama Jaya is still manual. Related functions include the cash receipt system and the material inventory system. Records and documents used in cash sales transactions are sales reports and sales notes. The internal control element has not worked well because there is still a trapping of functions.

Sales accounting information system at PT. Radha Pratama Jaya is still simple, this sales transaction is related to the cash receipt system and the inventory system. If there is a sale of products, the cash receipt system will experience an increase in cash from sales revenue, while in the inventory system, it will reduce the stock of goods. The system starts from consumers who come and choose goods[4]–[6].

There are many sales transactions that are carried out daily at PT. Radha Pratama Jaya, it causes employees to be unable to record transactions quickly. The use of computers that are still minimal because they still use a manual system makes the risk of misrepresentation very large. In addition, the archiving technique is not good, sales documents do not have duplicate documents so that documents are easily lost because the storage is not good. With such a thing, the resulting information becomes less accurate. Sales accounting information system in PT. Radha Pratama Jaya also still uses manual procedures where the sales department still makes existing sales reports manually. In addition, the documents used to record usage and cause ineffectiveness in inventory management, the information produced is also less reliable.

To answer the existing challenges, the purpose of designing this web-based information system is to facilitate activities running in the company. In this web-based sales accounting information system, it presents sales transaction features and can simplify the sales process and facilitate the process of printing sales notes and reporting needed by leaders[7]–[9]. In addition, the creation of this website aims to facilitate sales transactions, so that it can be more economical, fast and easy without the need to be hindered by distance and time. Technological developments are also very influential on the world of trade.

2. RESEARCH METHODS

Prototype Model is a method of a process in which the creation of a system has several stages that must be known to be passed in its manufacture, if the stage is completed it is stated that the system that has been created has not had satisfactory results for its users who are often called perfect or still have shortcomings that are not fatal, then the system will be re-evaluated and will go through the process from scratch again. The Prototyping approach is an iterative process that connects a close working relationship between the designer and the user[10], [11].

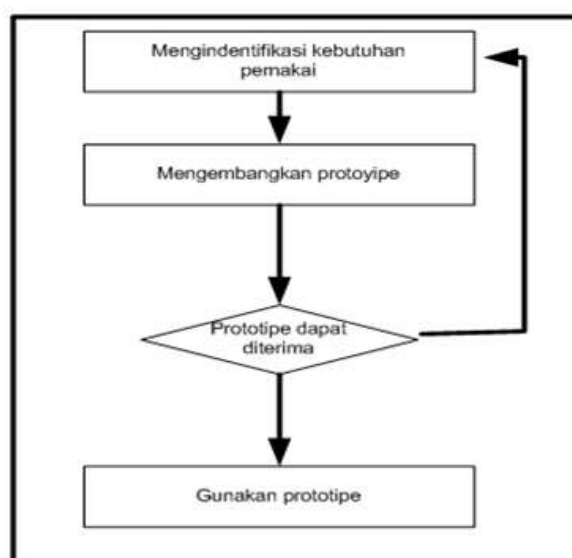


Figure 1. Prototype Model

Programming developers and clients as well as users who will meet first whose modeling is deliberately made to form a design and then determine a general purpose but known needs and an overview of the parts that will be needed next can be used. Design can be done quickly and this design can be used quickly

to represent all known aspects of the software, and this design becomes a basis for creating prototypes to be used. In this process, the client or user will evaluate the prototype made to clarify software needs.

3. RESULT AND DISCUSSIONS

3.1. Flowchart Document

The petroleum sales document flowchart can be seen in figure 2.

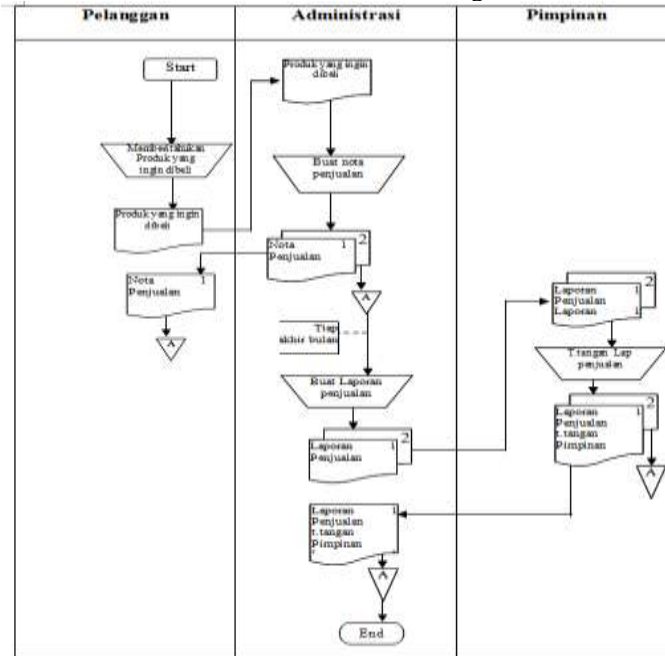


Figure 2. Flowchart Document

3.2. Usecase Diagram

Use Case describes the interaction between one or more actors who play a role in the information system to be created. Use case can be seen in The Figure 3.

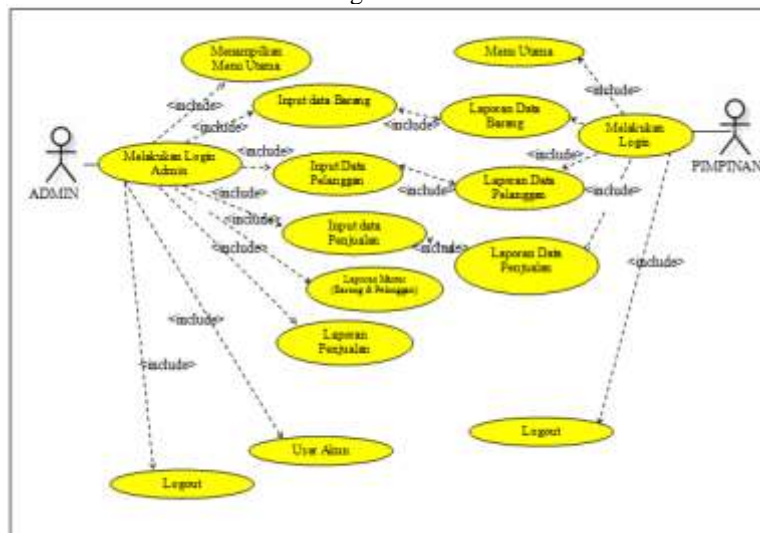


Figure 3. Usecase Diagram

3.3. Class Diagram

Class Diagram is a model for describing the system into the form of classes that have a description of the relationships between each class. The Diagram class was created to make it easier for programmers or program makers to create classes that match the design to be created. Class Diagram can be seen in the figure 4.

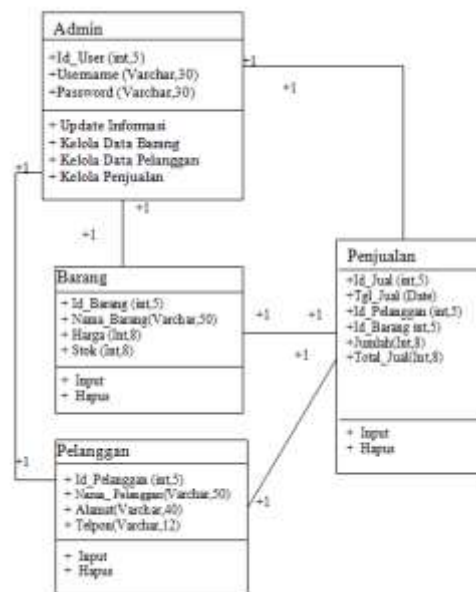


Figure 4. Class Diagram

3.3. Implementation System

Based on the problems that have been found in the previous analysis process, a system was built that processes the filing of documents. Here's an explanation of the program from the system that is ready for use.

The screenshot shows a web form titled "Login Administrator". It has a blue header bar. Below the header, there are two input fields: "Username" with the text "Admin" and "Password" with masked characters. A "Login" button is positioned below the password field.

Figure 5. Interface Form Login

At the time this application is accessed, the first form is the login form. After the user inputs the user name and password, they can enter the main menu by pressing the login button.



Figure 6. Interface Form Main Menu

The main menu form is the main menu in the application because it functions to access other menus contained in the application.

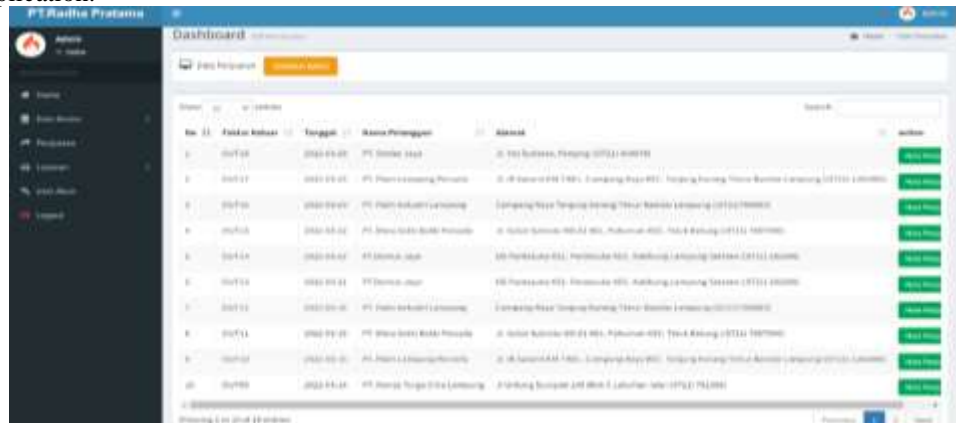


Figure 7. Interface Sales Form

The sales form is used to display Sales data and enter, change and save and delete Sales data.

4. CONCLUSION

Results of a Web-Based Sales Accounting Information System at PT. Radha Pratama Jaya Bandar Lampung, it can be concluded that the processing of sales accounting information system data at PT Radha Pratama Jaya Bandar Lampung is currently still processing the data is still manual, resulting in the creation and search of sales reports needed by the leadership to be late when needed by the leadership. Sales Accounting Information System at PT. Radha Pratama Jaya Bandar Lampung can facilitate the search and update of data that will be used for the creation and search of Sales reports needed by leaders.

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