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# Web-Based Logistics Management Information System in CV Anita Ks

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ABSTRACT

The logistics management information system of CV ANITA KS was made because the company is still utilizing a logistical management system made by Microsoft, namely Microsoft Excel, so that the data is still in files and is not neatly stored in the database. This application was made to facilitate the work of logistics administration in managing existing logistics and facilitate monitoring of logistics conditions in the company. This information system application was created using the PHP programming language and using the Mysql database. The design of this application begins with attention to the state of the company and then asks the questions needed to make an overview of how this application will be made, then do the design and manufacture of the system. The system is made with various references obtained
.



## 1. Introduction

In the business world, the development of information and the increasingly broad business competition in various fields resulted in companies having to be able to access quickly the information in the company to suit their needs. If there is a lack of information, it will cause the company to lose competition and not be able to achieve the company's goals, because that has become a necessity. If the existing system can accommodate all business activities well, effectively and efficiently then the company's goals can be achieved with the maximum possible.

A company certainly needs a management information system where this system can help in managing company administration, for example in company logistics. CV ANITA KS is an example of a company that needs a management information system especially in logistics to find out the logistics situation of the company.

CV ANITA KS is a company that is developing by selling clothing products in Cibinong - Bogor. The management information system at CV ANITA KS still uses a system that utilizes Microsoft-made office software, Microsoft Excel, in managing logistics such as recording entries, sales, deliveries, as well as making reports. The administration part enters the data in the form of a spreadsheet file that is processed in Microsoft Excel, so that if there is damage to the file, the logistics transaction data is damaged. Logistics reports are reported to company leaders by e-mail, so company leaders cannot monitor the state of the logistics of the company at any time, the central company can monitor every month-end report.

Information system development has been carried out to solve problems, such as: designing data processing information systems Business Work Lectures and Research in the Information Systems Study Program of Indragiri Islamic University (Ridha, 2013), Suzuki Car Sales Information System at Batu Baggage Dealers (Sihombing, 2018) , web-based management information system at the



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Arrahman Tembilahan hotel (Prasetyo, 2015), the design of a data processing system for sailing approval letters at the Class III Kuala Gaung Port Operator Unit Office (Usman & Gladinda, 2017).

Based on the background of the above problems, a study entitled "Web-Based Logistics Management Information System on CV ANITA KS" was aimed at improving the logistics management system that was running on CV ANITA KS.

## 2. Literature review

### 2.1 Definition of Logistics

Logistics is part of the supply chain management process (*Supply Chain Management*) who plan, realize and control the efficiency and effectiveness of the flow and storage of goods and services and related information between points of consumption to meet customer needs (Hayati, 2014). Logistics is a part of supply chain management that focuses on moving goods from the place of origin to the destination, to achieve customer satisfaction (Purwandari, 2016). Based on the description above, it can be concluded that logistics is part of the supply chain management that focuses on the movement of goods and storage of goods and information to meet customer needs.

### 2.2 Understanding Information Systems

"The information system is a tool for presenting information in such a way that is beneficial for the recipient" (Ponidi & Fitrajaya, 2015). Information system is a system within an organization that meets the needs of daily transaction data processing that supports operations and is managerial and strategic activities required for certain outsiders (Ridha, 2017).

### 2.3 Definition of Management Information Systems

According to (O'Brien, 2005, p.443) the initial type of information system that was developed to support managerial decision making. SIM produces information products that support many of the daily decision-making needs of managers and business predictions.

## 3. Research Methods

This research was conducted by interview to collect the data needed and to conduct a literature review to support the research findings.

Each step in the study can be described as follows:

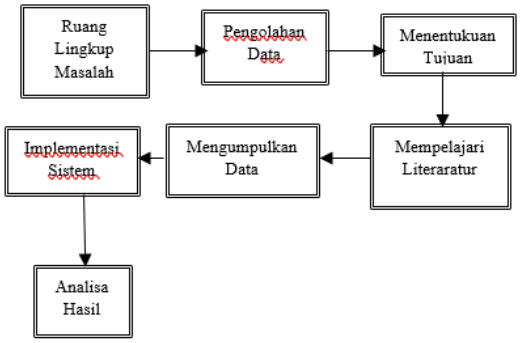


*Fig 1.* ***Research Process Flowchart***

**Defining the Scope of the Problem**

The scope of the problem to be investigated must be determined in advance, because without being able to determine and define the boundaries of the problem to be studied, then there will never be a best solution of the problem.

**Data processing**



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By analyzing the problems that have been determined, it is expected that the problem can be understood properly. In the analysis of this problem the process of decision making is described in the choice of study program concentrations. Data analysis methods used to analyze the needs in making optimal decisions have been determined using predetermined criteria.

**Determine the Purpose**

Based on the understanding of the problem, then determined the objectives to be achieved from this paper. In this goal determined targets achieved, especially those that can overcome the existing problems.

**Study Literature**

To achieve this goal, we study several literatures which are estimated to be used. Then the literature studied is selected to determine which literature will be used in research. Literature is taken from the internet, in the form of articles and scientific journals about logistics management information systems and other reading material that supports research.

**Collecting data**

In collecting data the observations were carried out namely direct observation at the research site so that the existing problems can be clearly identified. Then the interview was conducted in order to obtain the information or data needed. In addition, a literature study is also carried out by reading books that support in analyzing the data and information obtained. The data needed in this study is the CV ANITA KS logistics report data.

**System Implementation**

The implementation of this system is to make it easier to prove the results of the analysis previously carried out.

Analysis of Results

Analysis of the results based on the analysis of the results of the system that was built to produce a logistics management information system on CV ANITA KS.

## 4. Results and Discussion

### 4.1. Unified Modeling Language (UML)

a. Use case diagram

Use case or use case diagram is a modeling for the behavior (behavior) of the information system that will be created. The form of user interaction with the system can be seen in the following figure:

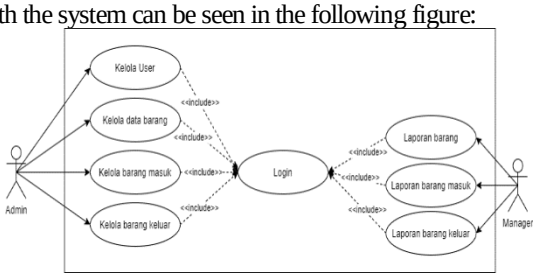


*Fig 2. Use Case Diagrams*

4.2. User Interface Design

a. User Interface - Login

The page that first appears during system access is the login page. Users are required to log in first to access the application. In the login form there is a username and password that must be filled in to verify the menu access rights on the system. The appearance of the login page interface is as follows:



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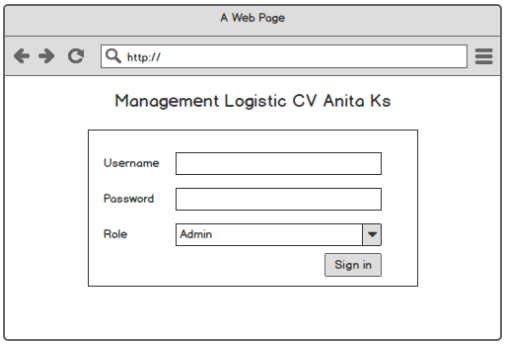


*Fig 3. User Interface - Login*

b. User Interface - Manage Item Data

On the Item Data menu will display a page that contains information on goods and stock of existing goods. On the Item Menu Page Action data that can be done is to add, change and delete data items such as details and stock items. The interface of the data item page display is as follows:

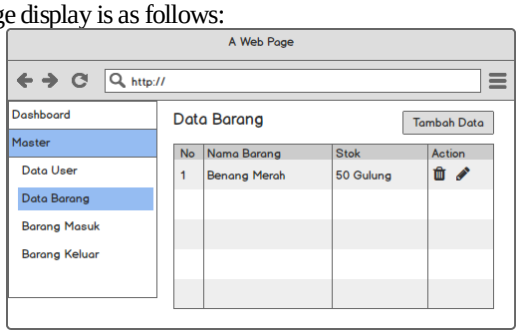


*Fig 4. User Interface - Manage Item Data*

c. User Interface - Report

On the report page accessed by the manager to view the report, there are goods reports, reports of goods entering and leaving. On the report page, the period to be selected first is displayed, following the display of the report page interface.

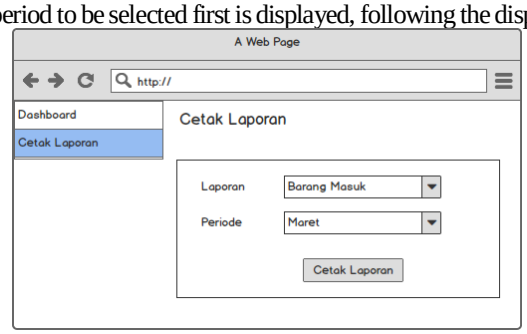


*Fig 5. User Interface - Report*

4.3. System Implementation Results

a. Login page

Login page functions to access entry into the CV Logistics Management system. Anita KS, on the login page the user must have an account first then log in by entering a username and password. The following is the login page display:



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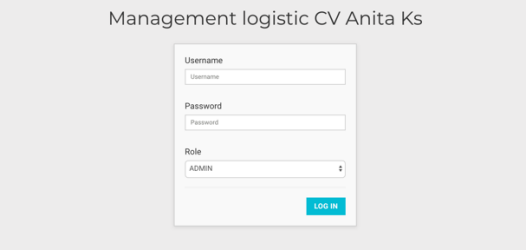


*Fig 6. Login page*

b. User Data Page

This user page is a page that functions to manage user data such as adding, deleting and changing user data. Following is the appearance of the User Data page:


***Fig** 7. User Data Page*

c. Item Data Page

This item page is a page that functions to manage item data such as adding, deleting and changing item data. Following is the appearance of the Item Data page:

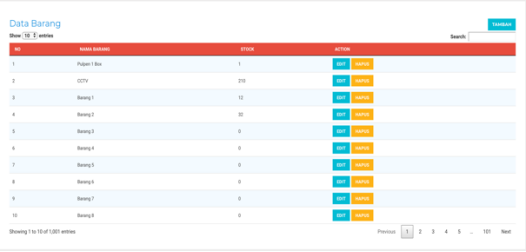


***Fig** 8. Goods Data Page*

c. Goods Entry Data Page

The entry goods page is a page that functions to recap the incoming goods data. The following is a view of the Entry Goods Data page:

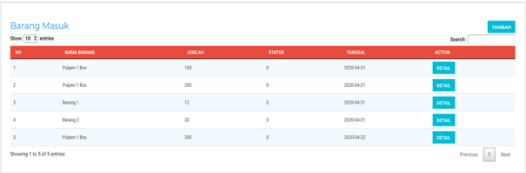


***Fig** 9. Goods Entry Data Page*

## 5. Conclusion

Based on the results of the implementation and trials that have been carried out, it can be concluded that the results of this study are as follows:

1. SystemLogistics Management CV. Anita KS which was made using PHP programming language and MySQL database was successfully built by implementing it to the CV. Anita KS.
2. Implementation results Logistics Management system CV. Anita KS can help indeed implement logistics logistics to be more computerized and help develop existing logistics management.



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