

Design of incoming goods receipt at the department of industry and trade of Labuhanbatu Regency based on information systems

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Submitted : Jan 19, 2022 | **Accepted** : Jan 25, 2022 | **Published** : Apr 1, 2022

Abstract: In a company or organization, data and information is an important thing to run business processes. Valid data is a capital for the creation of information that is very useful for the continuity of the company's performance. The value of data in a company or organization can be expensive when the data is needed. As in the case of calculating the number of incoming goods at the Department of Industry and Trade of Labuhanbatu Regency, it is still done manually, such as using transfer receipts and this requires a long process in presenting reports and even errors in writing the name of the goods on the invoice. The reality is that its implementation in the field faces major obstacles when it comes to the goods in and out system in the warehouse. For the processing system of incoming goods is not directed and unorganized so that the function and purpose as well as the security of information out of goods are not organized. Inventory system in goods is an activity that consists of data on receipt of goods, data on sales of goods, returns data, and data on stock of goods that report all activities out of goods. The purpose of making the system is to make an efficient computerized system application design and make its implementation into programming. The result of writing this information is to be able to assist and process data in and out of goods as well as supervision in and out of goods so that the delivery is more effective and effective. From the writing submitted, it can be concluded that the implementation can be used for data processing in and out of goods

Keywords: Information Systems; Goods management, Goods Receipt

INTRODUCTION

In a company or organization, data and information are important things to run business processes. Valid data is a capital for the creation of information that is very useful for the continuity of the company's performance. The value of data in a company or organization can be expensive when the data is needed. The Department of Industry and Trade of Labuhanbatu Regency is one of the largest Retail Companies, the Department of Industry and Trade of Labuhanbatu Regency, a company that sells products such as snacks, household staples such as sugar, rice, cooking oil, and others that will be sold to consumers. customers. Such as primary and secondary needs, then incoming goods can reach 15 suppliers and almost 100 koli (units of goods can be in the form of bales, packs, fruit, etc.) parts, and several pieces) per day. Currently the Department of Industry and Trade of Labuhanbatu Regency has become the leader of Local Retail on the island of Sumatra. However, the current system at the company which in processing data and information on goods is still done manually. For example, the calculation of the number of goods entering the warehouse is still done manually with transfer receipts, so it requires a long process in presenting reports. Inventory which means storing goods intentionally as a reserve for future needs. Inventory of goods in a company plays an important role, given the high turnover rate of goods and consists of various types of goods. Recording is done manually often sometimes it becomes a problem of incompatibility of the goods data that comes out with the written data. The process of searching data manually also takes a long time. Therefore, Companies need good control to protect company assets. The use of a computerized inventory system is expected to be a solution to reduce the risk of loss or theft.

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This system developed using the prototype method, with the PHP programming language, and Mysql as the database.

With the current problems it is necessary to build an information system. This system will help in presenting information on goods more easily. With the new system, it will be able to improve the progress and fast performance of the company in collecting data on incoming goods receipts. This research is to design a report accounting information system application PHP and MySQL programming languages. The design of the report information system application using PHP and MySQL was carried out using library research and survey methods. At times like now, it is necessary to prepare reports for every company including restaurants to find out the profit or loss obtained during a certain period from the company. So that the company can determine the next decision for a better continuity of company activities. The design of a profit and loss financial statement information system using PHP and MySQL can make it easier for companies to manage reports. With the maximum use of the accounting information system design for profit and loss financial statements using PHP and MySQL, it is hoped that the company can more quickly and easily manage reports. The development of information technology causes companies to be compelled to improve their services to users, so that users can easily get information about available products and transact with the company. In an effort to improve its services, it decided to create an on-line system (web-based). This Information System focuses on the concept of Database Management System. This system makes it easy for members to find out the latest information on new member registration company products, perform subsidy transactions provided by the company, withdraw subsidies, and view the list of members who are at the lower level. In addition to providing convenience for its members, this system also provides convenience for company admins, especially those appointed to handle this system, to be able to process and obtain information from registered member data, make copies of data, change system appearance, and configure the system subsidi

LITERATURE REVIEW

According to Kristanto (2018: 01) a system is a network of procedures that are interconnected, gathered together to carry out an activity or complete a certain goal. A good system must have the right goals and objectives because this will be very decisive in defining the inputs needed by the system and also the resulting outputs. The system is also a collection of interrelated elements and work together to process the input (input) addressed to the system until it produces the desired output. According to Sutabri (2012: 02) argues that there are two groups of approaches in defining the system, namely groups that emphasize procedures and groups that emphasize elements of a component. Interrelated procedures, gathered together to perform an activity or complete a certain goal. While the systems approach which emphasizes more on elements or components defines the system as a collection of elements that interact to achieve a certain goal. These two groups of definitions are correct and do not contradict.

What is different is the approach. According to Supriyo in Pratama (2013: 10) states that the system is a combination of four main parts, the four main parts include software (software), hardware (hardware), infrastructure, and Human Resources (HR). To achieve the goals of a system created, it takes three tools or tools that can improve the performance of a system so that the goals of the system can be achieved. The three devices include hardware (hardware), software (software) and human devices (brainware). Hardware can be a computer, while software is a program. Human devices can be managers, systems analysts, programmers and so on (Kristanto, 2018: 05-06). According to Kristanto (2018:07)”. Information is a collection of data that is processed into a form that is more useful and more meaningful to the recipient. Without an information, a system will not run smoothly and can eventually die. An organization without any information then the organization cannot run and cannot operate. In other words, the source of information is data. The data describes an event that is happening, where the data will be processed and applied in the system into useful input in a system. According to Asmara (2019: 03) states information is a collection of data that is processed into a form that is more useful for the recipient to make decisions and or to control the organization.

METHOD

Research Stage

File/table design is a design designed to process data and store data from each file which will later be processed in report generation. The field name and data types in each table that is formed. Item data table, to store all data items that have just entered and have been entered into the database. Incoming goods table Serves to show the raw materials that have just been sent from the distributor and the amount is inputted by the admin. After

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collecting data with several techniques of data collection methods, the system design stage is carried out. Design is the stage of laying the system so that it is ready for operation. Use Case Diagram: Login View website homepage Incoming goods report Item list report.

The process is a collection of procedures that will manipulate input which will then be stored in the database section and so on will be processed into an output that will be used by the recipient. This component in its task will change all inputs into outputs consisting of users of computer information systems so they must understand how to use the computer to meet their needs. Data processing techniques applied to information systems, while procedures describe how humans as system users make decisions. Computer Equipment Supporting components of an information system including computer equipment are: monitors, printers, diskettes and computer programs. There are a number of instructions that regulate the work of hardware and fulfill the functions of a computer information system. Data storage in the future or retrieval. Storage media can be in the form of diskettes, Plong cards, documents or other forms. The output or result of the model that has been processed into a useful information and can be used by the recipient. Technology to enter inputs, process inputs and generate outputs. There are three parts in this technology which includes hardware, software, human devices. Hardware for example: keyboard, mouse, and others. Software for example programs to process data and human devices for example systems analysts, programmers, technicians and so on. A collection of interconnected data that is stored in computer hardware and will be processed using software. The database itself is a collection of files that have links between one file and another so that it forms a data building. Actions are taken to keep the information system running smoothly and without interruption. This component is very important so that the system as a whole has high validation and integrity. Control components are required for: file backup, reindexing, data validity testing for each entry is carried out.

The work is a further explanation regarding the elaboration of the process of the research framework carried out, along with the explanation.

- a. Literature Study, a study that can be used as material for collecting and reviewing data by reading various literatures that have to do with the problems to be discussed such as books, final assignments, journals, internet related to the object of the problem.
- b. Observation or observationis a method of collecting data by conducting direct observations of the object of research. By going directly to the object of research, it is hoped that the data needed will be collected.
- c. Interview is a method of collecting data by conducting a question and answer process directly to informants to obtain information.
- d. Documentation The technique of collecting data with documentation is a technique to obtain broader data on the main points of the study to be used as material in preparing reports. As a data source, documentation plays an important role in testing and interpreting data. Researchers collect data relating to problems regarding data collection around the company as supporting data from the information system.

Data Analysis Method

In this section, we describe the needwith the aim of identifying or evaluating the systems needed to design websites including hardware (hardware), software (software), users or admin (brainware). At the Department of Industry and Trade of the Labuhanbatu Regency, the system that is currently running is still done manually, which is for recording incoming goods, it is still recorded in the book. And if you need a data item then you have to look in the book. If this continues to happen it will cause work to be inefficient so that it will take up a lot of time and energy for employees. File/table design is a design designed to process data and store data from each file which will later be processed in report generation.

TABLE 1 INVENTORY

No	Fields	Description/Type
1	KD_Barang	Integer
2	Nama	Varchar
3	Jumlah	Varchar
4	Stok	Integer
5	Harga	Integer

Incoming Goods Serves to show the raw materials that have just been sent from the distributor and the amount is inputted by the admin. The use of information is a component that cannot be separated from the management of

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information systems because this is where information products are actually utilized according to their needs. Information products can be declared useful if the information meets the needs of its users. The use of information is a process of utilizing information by a person or group of people to fulfill their needs according to their position or job. The utilization process starts from receiving the information then it is processed or processed in itself, and finally takes action or changes in behavior that can affect other people or groups. the benefit of information systems is that organizations use information systems to process transactions, reduce costs and generate income as one of their products or services. Information system for processing customer checks and making various statements of current accounts and transactions. Companies use information systems to maintain inventory at the lowest level to be consistent with the types of goods available.

TABLE 2 INCOMING GOODS

No	Fields	Description/Type
1	kd_barang masuk	Integer
2	Tanggal	Varchar
3	Jumlah	Varchar
4	kd_barang	Integer
5	jlh_barang	Integer
6	Sub_total	Integer

RESULT

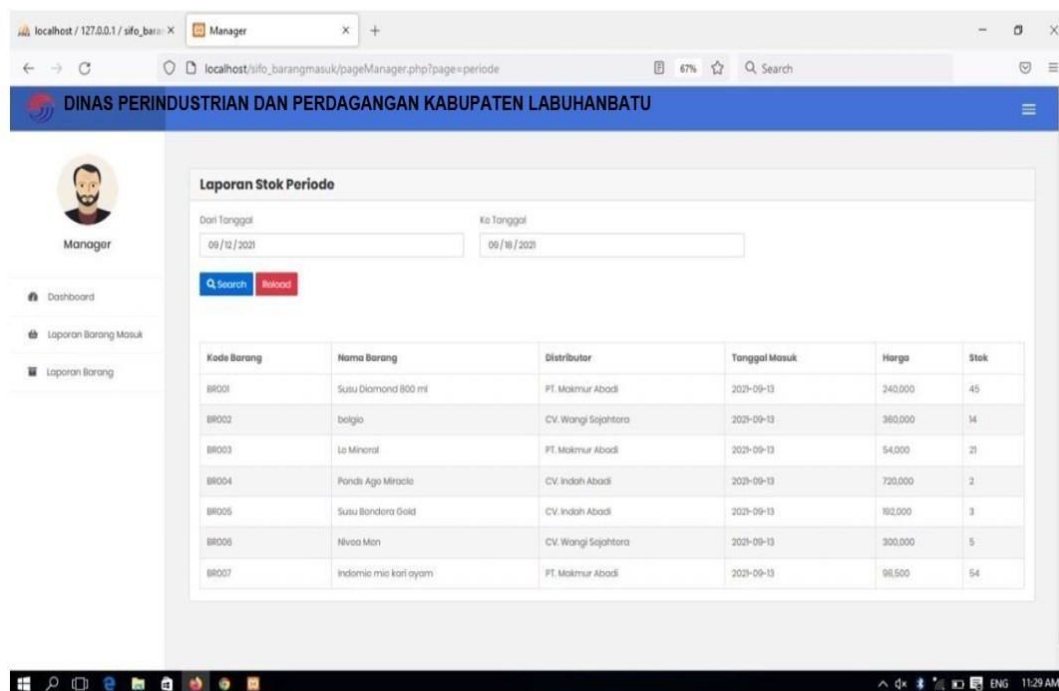
System Testing or Implementation

In this section, the results of the program that have been designed will be displayed which contains the program output display for website display which, if operated by the admin, the system display includes: login page, goods data input, incoming goods input, and distributor data input then for menu display. system manager includes: home menu, incoming goods reports and goods data reports. System limitation is something that limits the system in achieving system goals. System limitations can be in the form of existing regulations within an organization, costs incurred, people in the organization, facilities, both facilities and infrastructure and other limitations. Control or supervision of the system is the supervision of the implementation of the achievement of the objectives of the system. System control can be in the form of control of data entry (input), control of output data (output), control over data processing, control over feedback. Input is an element of the system whose job is to receive all input data, where the input can be in the form of data type, frequency of data entry. Process is an element of the system whose job is to process or process all input data into more useful information. For example, the production system will process raw materials in the form of raw materials into finished materials that are ready to be used. Output is the result of input that has been processed by the processor and is the final destination of the system. Feedback is an element in the system in charge of evaluating part of the output issued, where this element is very important for the progress of a system. On the display of the item data input page, it is to input all the goods that enter the warehouse and which aims also to make it easy to provide reports to the manager. This is how the item data input page looks like. System objectives can be in the form of organizational goals, organizational needs, problems that exist in an organization or a sequence of procedures to achieve organizational goals. On the item data report menu page, a list of items in the warehouse will be displayed, this system also makes it easier for managers to find out what items are in the warehouse without having to come to the warehouse directly.

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Kode Barang	Nama Barang	Distributor	Tanggal Masuk	Harga	Stok
BR001	Susu Diamond 800 ml	PT. Malmur Abadi	2021-09-13	240,000	45
BR002	belgio	CV. Wangi Sejahtera	2021-09-13	360,000	14
BR003	Lo Mineral	PT. Malmur Abadi	2021-09-13	54,000	21
BR004	Pandi Ago Miracle	CV. Indah Abadi	2021-09-13	720,000	2
BR005	Susu Bandara Gold	CV. Indah Abadi	2021-09-13	182,000	3
BR006	Nivea Min	CV. Wangi Sejahtera	2021-09-13	300,000	5
BR007	Indomie mie kari ayam	PT. Malmur Abadi	2021-09-13	98,500	54

Figure 1. Data Report Display

DISCUSSIONS

The Department of Industry and Trade of Labuhanbatu Regency is one of the largest Retail Companies, the Department of Industry and Trade of Labuhanbatu Regency, a company that sells products such as snacks, household staples such as sugar, rice, cooking oil, and others that will be sold to consumers. customers. Such as primary and secondary needs, then incoming goods can reach 15 suppliers and almost 100 koli (units of goods can be in the form of bales, packs, fruit, etc.) parts, and several pieces) per day. Currently the Department of Industry and Trade of Labuhanbatu Regency has become the leader of Local Retail on the island of Sumatra. However, the current system at the company which in processing data and information on goods is still done manually.

CONCLUSION

Based on the research that has been done, it can be concluded that: To design a web-based incoming goods receipt information system, it begins with observing the company's warehouse to collect the necessary data, then analyzing data and making input and output designs. The design is also done using UML (Unified Modeling Language). This information system is designed using the PHP programming language and MySQL as the database with the aim of accelerating and simplifying data processing regarding information on goods entering the warehouse. This information system has produced information about the list of goods in the warehouse, the list of goods entered quickly and accurately.

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