❏   26

STOCK INFORMATION SYSTEM ON CV. KARYA MULIA WEB-BASED WORKS

Musthafa Haris Munandar[1], Binsar Marulitua Simatupang[2], Hendriansah[3]
[1,2]Program Study of Information System, Murni Teguh University, Indonesia
[3]Program Study of Nursing Science, Sekolah Tinggi Ilmu Kesehatan Indonesia, Indonesia

Article Info

ABSTRACT

To facilitate the operation of the company, of course, require a proper inventory system, to be aware of entry and exit product. Because the more advanced companies, the more difficult or complex parts inventory system. With the growing complexity of problems faced, the company needs that information technology can assist the operation of an enterprise, which aims to ensure appropriate data sources, the proper quantity and right time. If a company's system is still manually, not infrequently happened many mistakes in making the reports are made, so it can not achieve the desired objectives by the company. Information systems of web-based inventory at CV. Karya Mulia. is a vehicle that is expected to assist the process of inventory. This system was developed using the MySQL database and PHP programming.
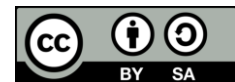
Corresponding Author:

Musthafa Haris Munandar,
Program Study of Information System,
Murni Teguh University,
Deli Serdang, Sumatera Utara, Indonesia
Email: harismunandaaar@gmail.com

1. INTRODUCTION

The word system comes from Latin (systema) and Greek which means a unity consisting of components or elements that consist of components or elements that are connected together to facilitate the flow of information, matter or energy.

According to Sutabri, "a system is a form of integration between one component and another because the system has different goals for each case that occurs in the system".

CV. Karya Mulia is a warehouse distributor of goods. Until now, operational activities at the CV. Karya Mulia is still carried out manually, such as recording sales information and inventory of goods using bonds, notes, notebooks and report papers which are all handwritten. To get the data needed, you have to look for the notes that have been saved one by one. according to the order of transaction dates. Likewise, the examination of sales transactions that occur every day, must collect all sales receipts

One of the information needed in the CV. Karya Mulia is about the preparation of goods. namely incoming goods, outgoing goods, and goods in the warehouse or commonly called stock of goods. This requires precision so that in each report there are no bigger errors. This can be avoided by using a web-based application system in order to present information quickly, precisely, efficiently, and accurately. So that it can facilitate data collection, processing, and storage,

Seeing the importance of inventory and sales of goods in the CV. Karya Mulia, then it is necessary to implement a stock information system on CV. Karya Mulia with the help of computers and applications, which will help all employees to do all work related to the storage and processing of stock data using the new system.

2.   RESEARCH METHOD

In the design of this system, it is described into parts consisting of process design, output design, input design, database design, system design and interface design.

a.   Context Diagram

The context diagram gives an idea of what the interaction relationship between external entities and systems looks like, the relationship is described by the flow of data flowing and the external environment of the system (external entities) into the system or vice versa. The context diagram in the web-based stock information system on CV. Karya Mulia can be seen in figure 1 as follows:
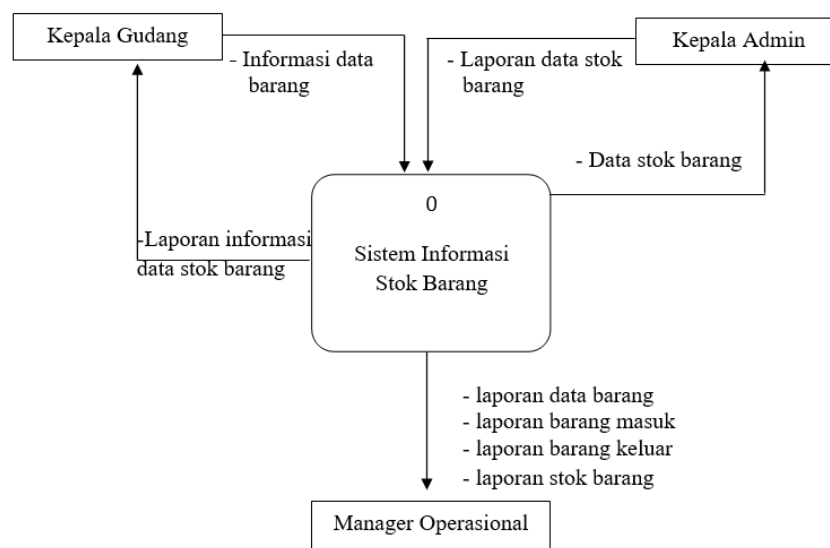

Figure 1. Context Diagram

b.   Data Flow Diagram Level 0

The data flow diagram level 0 in the stock information system on CV. Karya Mulia can be seen in the following picture:
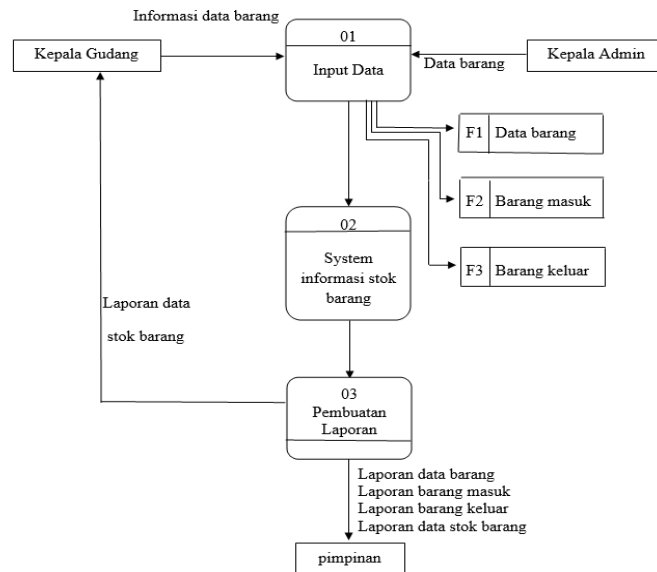
Figure 2. Data Flow Diagram (DFD) Level 0

From the data flow diagram level 0 above, it can be seen that there are six processes that occur in the old system with the new system. The process that exists in the old system does not need to be explained in the form of a level 1 data flow diagram because the process does have to be done manually. The process in the old system is the process of submitting stock data and the process of checking stock of goods. Meanwhile, the processes in the new system are the main data processing process, incoming goods process, transaction process and report making process.

3.   RESULTS AND DISCUSSION
a.   Form Login

The process carried out by the Admin to log in to the stock data information system on the CV. Karya Mulia is an order to input the Admin Username and Password to enter the main menu of the stock data information system. The log in form can be seen in figure 3 as follows:

Figure 3. Admin Login Form

The login form serves as a system security specifically for an admin of the website. In the form there are two text boxes, namely a text box for username whose content is "admin" and a text box for password whose content is "54321" and then there is a button button, namely the login button. The login button is used after filling in the text box of the username and password section. If it is filled in, press it and the admin will enter the main menu of the website.

b.   Home Menu Page

The Home system information item data information form is a process after the admin logs in, in the main menu there are several menus such as the master data menu there is item data input, incoming goods data input, outgoing goods data input then the report menu there is an item data report, incoming goods data report, outgoing goods data report, goods stock data report, search menu to find data and logout to exit the menu page. The following is a picture of the main menu of the goods data information system. The home menu page can be seen in figure 4. as follows:

Figure 4. Home Menu Page

c. Item Data Input Form

The Goods Data Input Form is used to process the input of goods data in the CV. Karya Mulia. In the input of goods data, there are process buttons consisting of a save button that is used to store goods data. The cancel button used to cancel the command before clicking the save button. The input of the goods data can be seen in figure 5 as follows:

Figure 5. Item Data Input Form

The Item Data Input above consists of several text fields, namely the item code "BR001", the name of the item "SGM 1 Plus md 150 gr", the brand "SGM", the type of "Food" unit "pcs". Fill in the blank text box correctly if you want to add data. Click the save button to save the data, then the system will save the data into the database and the item data table. If we press the cancel button, all text fields will be blank and filled in again if we want to input item data.

d. Incoming Goods Data Input Form

The Incoming Goods Data Input Form is used to process the input of incoming goods data in the CV. Karya Mulia. In the incoming goods data input, there are process buttons consisting of a save button that is used to store incoming goods data. The cancel button used to cancel the command before clicking the save button. The input of incoming goods data can be seen in figure 6 of the following page:

Figure 6. Incoming Goods Data Input Form

The input of the incoming goods data above consists of several text fields, namely BM Number "BMsg120817", Date "12082017", item code "BR002", item name "SGM 6-12 400 gr", brand "SGM", quantity "100". Fill in the blank text box correctly if you want to add data. Click the save button to save the data, then the system will save the data into the database and the incoming goods data table. If we press the cancel button, all text fields will be blank and refill if we want to input incoming goods data.

4. CONCLUSION

Based on the description that has been stated in the previous chapters of this Field Work Practice Report, several conclusions can be drawn that need to be stated in relation to the stock information system on the CV. Karya Mulia are this system is designed or built based on a website and recorded or stored in a database using mysql. In the goods stock system, it is built using goods data, incoming goods data, and outgoing goods data so that management is carried out using information technology. This stock information system is applied using information technology that can produce faster, more accurate and accurate information and also makes it easier for the parties concerned to make a decision based on existing reports. This information system was created to overcome inaccuracies in stock data on CV. Karya Mulia so that all work processes can run effectively and efficiently.

REFERENCES

[1]   A. A. Sofyan, M. Iqbal, and I. Awanda, "Sistem Informasi Pelayanan dan Controlling Franchise Berbasis Web Rumah Makan Raja Raja," vol. 8, no. 2, pp. 2–8, 2018.

[2]   R. Aisyah, R. Watrianthos, M. Nasution, R. A. Siregar, R. Watrianthos, M. Nasution, A. Manajemen, I. Komputer, and L. Batu, "SISTEM INFORMASI DATA GURU MDTA PADA KANTOR KESRA SETDAKAB," vol. 5, no. 2, 2017.

[3]   S. Informasi and P. Pupuk, "Jurnal TEKNOIF ISSN : 2338-2724 Pendahuluan Vol . 3 No . 2 Oktober 2015 Jurnal TEKNOIF ISSN : 2338-2724," vol. 3, no. 2, 2015.

[4]   R. Yunida, R. Watrianthos, M. Nasution, R. Yunida, R. Watrianthos, M. Nasution, A. Manajemen, I. Komputer, and L. Batu, "SISTEM INFORMASI SELEKSI PENERIMAAN BEASISWA PTN SISWA / I," vol. 6, no. 2, pp. 24–34, 2018.

[5]   A. N. Putra, "SISTEM INFORMASI PEMESANAN PERCETAKAN BERBASIS WEB PADA PT . BPC CIHAMPELAS BANDUNG PROGRAM STUDI SISTEM INFORMASI UNIVERSITAS KOMPUTER INDONESIA," vol. 1, 2017.

[6]   F. Rahman, J. T. Informatika, P. Negeri, T. Laut, M. Kamus, and L. Dunia, "Aplikasi pemesanan undangan online," vol. 1, pp. 78–87, 2015.

[7]   A. Fauzi, S. I. Akuntansi, U. B. Sarana, S. Informasi, U. B. Sarana, T. Komputer, U. B. Sarana, K. C. Form, and A. B. Web, "SISTEM INFORMASI PEMESANAN KERTAS CONTINUOUS FORM," vol. 5, no. 1, pp. 123–127, 2019.

[8]   S. Mallu and S. P. Keputusan, "Sistem pendukung keputusan penentuan karyawan kontrak menjadi karyawan tetap menggunakan metode topsis," vol. I, no. 2, pp. 36–42, 2015.

[9]   J. S. Informasi and S. D. Yulianti, "SISTEM INFORMASI PENJUALAN ALAT TULIS KANTOR BERBASIS WEB PADA CV . SUMBER REZEKI JAKARTA," pp. 283–288, 2016.

[10]   U. Salamah, "Sistem Informasi Penjualan Barang Berbasis Web Pada Percetakan Rahayu Bekasi," vol. 6, no. 1, pp. 61–74, 2018.

[11]   S. I. I. B. Darmajaya and B. Lampung, "Prosiding issn: 2598 – 0246 | e-issn: 2598-0238," pp. 326–335, 2017.

[12]   A. Pramoedita, P. Susanto, and D. Oscar, "Pemodelan Sistem Informasi Penjualan Produk Kecantikan Secara Online Dengan Metode Rational Unified Process Studi Kasus : PT . Lautan Angsa Indonesia," vol. 3, no. 2, pp. 222–227, 2018.

[13]   I. Purnama, "APLIKASI PEMESANAN KULINER HALAL RANTAUPRAPAT BERBASIS," vol. 6, no. 3, pp. 7–13, 2018.