IMPLEMENTATION OF SUPPLY CHAIN MANAGEMENT FOR DISTRIBUTION OF FLAG MILK

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ABSTRACT

Application program on "CV. Sempurna Tetap Makmur Kisaran" Company Commercial is a program based on applications web. Based on monitoring consumer need and tightly competition in Business, researcher finally finds result that benefits of this web application as one solution in the inter-enterprise business networks to delivere materials and finished goods to users or consumer. However, the research is held to face particular tight competitionin in Business. The "CV. Sempurna Tetap Makmur Kisaran" company designs a web that functions in producing various kinds of products menu to Internet users. Also, it will be easier for them to obtain materials from suppliers. The subject matter of this research is about many functions that exist in the application SCM program. Those are products menu order and material of products online by using internet medium. However it is frequently consists of asked questions, suggestions and feed back menu in order to improve the quality of products production. The testing in this application program is arranged to ensure that program functioning properly. So that, the plan works properly with the results.

INTRODUCTION

Existing competition and rapid technological growth, always requires companies to change the internal business processes that are running. The presence of information technology whose development has been ongoing in the last decade has significantly increased the effectiveness and efficiency of existing business processes. However, along with the development of the company's ongoing and complex needs, businesses are also required to carry out inter-company system integration. Existing limitations of the previous system triggered the movement of electronic data exchange and system integration was carried out through the World Wide Web (WWW). No exception the process of inter-company system integration with suppliers and consumers that is applied to the Supply Chain Management.

Supply chain management is a set of approaches used to integrate suppliers, manufacturers, warehouses, and shops, so that goods are produced and distributed at the

right amount, to the right location, at the right time, to minimize broad system costs so as to satisfy service level of need[1].

The implementation of e-SCM can also help companies produce products effectively and efficiently for all parties concerned so as to minimize inventory levels, reduce manufacturing time, optimize logistics and distribution, optimize and increase output, accelerate order fulfillment and overall reduce costs associated with these activities. In addition, e-SCM can also improve the operational process of a series of supply chain activities that include the flow of raw materials, information, money, and services ranging from purchasing raw materials, storing and distributing finished products to consumers. With the many benefits that can be achieved in the use of e-SCM, the Bogasari company began to be interested in implementing e-SCM into their business processes[2].

Obtained using the SCM method basically consists of physical flow in the form of material or products, payment flow in the form of money or credit, and information flow in the form of capacity, delivery schedules, orders. The required web-based information system that can provide information in real-time, so that the decision making process in SCM can run well. 5 basic components of SCM include planning, sourcing of goods, Manufacturing, shipping, and returns. By implementing this inventory and distribution system, it is expected that the company can continue to develop to face business competition[3].

From the description above, the author will discuss all production activities from warehouse to goods marketed to the end user by referring to the ABC (Activity Base Cost) method in an organized manner. So the researchers intend to design a Supply Chain Management system with the WEB programming language that can simplify data management so that the company C.V. Sempurna Tetap Makmur Kisaran. Can the application of computer technology in the form of e-supply chain management help maximize the work and marketing of products in C.V. Sempurna Tetap Makmur Kisaran, and if the system that will be built is implemented is really able to help the C.V. Sempurna Tetap Makmur Kisaran in distributing ordered items online is as efficient as possible.

The application is created using the PHP and MySQL programming language to build a system. Can this e-SCM website hold goods ordering facilities for consumers who are far from outside the area who want to place an order and help in facilitating the performance of each employee in C.V. Sempurna Tetap Makmur Kisaran of the ABC method (Activity Based Costing) can run well in C.V. Sempurna Tetap Makmur Kisaran in the Padang Range. Information dissemination system about the current product supply has not been able to provide accurate information for decision makers.

By using the ABC method (Activity Based Costing), the company will be more precise in making decisions and the company will not experience losses just because of unit cost errors. With the implementation of PHP and MYSQL database it will be able to provide accurate information for decision makers. The objective to be achieved is to analyze data processing and publication of C.V. Sempurna Tetap Makmur Kisaran This range optimally uses the PHP programming language and MYSQL database, producing accurate, precise and relevant time information, increasing work efficiency and

effectiveness in processing data on C.V. Sempurna Tetap Makmur Kisaran the work of processing company data and developing sales information systems as an effort to increase C.V Sempurna Tetap Makmur Kisaran.

METHOD

he research framework is the concept or stages to be carried out in the research which will be described in Figure 1 below :
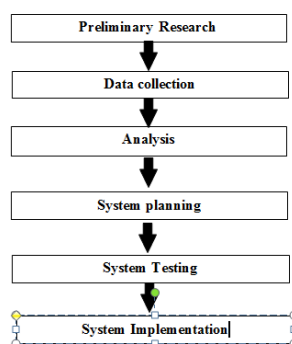

Image 1. Research Framework

In this research, it is proposed as an application design and implementation of Supply Chain Management (SCM) based websites in meeting transaction needs, both in terms of sales, marketing, customer needs, and data recording in making sales reports quickly and efficiently.

With this application it is expected that all sales and marketing activities in C.V. Sempurna Tetap Makmur Kisaran can be documented and accessed quickly. Besides making this application can also be used as a medium for C.V. Sempurna Tetap Makmur Kisaran oth inside and outside the city.

E-SCM is a combination of internet with supply chain management and a balance between the two. The purpose of e-SCM is to combine activities within the organization to provide customer value. The integrated supply chain involves coordination and information sharing among all stakeholders to get the main benefits of the integrated supply chain which leads to opportunities for competitive advantage[4].

In designing Supply Chain Management on C.V. Sempurna Tetap Makmur Kisaran The range is performed by a system analysis using the UML (Unified Modeling Language) method. There are several methods used in designing Supply Chain Management using the PHP programming language.

This test is done using hosting. Hosting is a file storage on the web, internet facilities are available 24 hours by registering a domain that provides a place / address for the web so that it can be accessed by anyone via the internet. In hosting this server will make it easier for users to get the information needed, one of them through the website. Where websites are used by many people to load the information needed, making it easier to exchange information. Website technology cannot be separated from

data storage, or the container in which the website is stored. The website is stored in a web server that supports and supports the performance of the website[5]. Analysis and design report will be made in written format. This paper will be the material of the author's report and this report will be accompanied by a final conclusion. ABC (Activity-Based Costing) is a system of accumulating costs and charging costs to products using various cost drivers, carried out by tracking the costs of activities and after that tracing costs from activity to the product. The BENEFITS of ABC (Activity Based Costing) are: determine the cost of the product more accurately, improve decision making, enhance control of overhead costs.

Comparison of current conditions and after using e-SCM can be seen in table 1.

Table 1. Comparison of Service Changes with e-SCM

Marketing function	Conditions before using e-SCM	The expected conditions after using e-SCM
Time	Ordering goods to customers is not timely because the product is for distribution is not available	Order goods to customers on time because the product is always available and biased monitored by the buyer.
Place	Consumers can only place orders via telephone and fax	Consumers can place orders at any time including by telephone and Fax
Services	Limited services via telephone and fax	Additional services where services can be carried out Through the internet
Information	Provides information about products and product prices	Provide comprehensive product specifications and product prices, in addition to that consumers can also see status information booking.

After analyzing the available data, the next step is to design the system. The system design is based on input, process, and output variables. The following will show how the system used to increase distribution productivity through information automation between partners in the supply chain, reducing operational costs, integrating information between divisions within the company.

The system or application that is designed requires software to assist in completing the design of the application to be used. The software needed is; the system will be used with support from the computer

Continue with making User tables used to store user data. Interface design is a form of provisional display design of this Supply Chain Management (SCM) application. This design was made to provide an explanation of the appearance that was

confronted by the actor when using the Supply Chain Management (SCM) application. So that it can be easier to implement applications and will facilitate development.

RESULT AND DISCUSSION

Testing and implementation of the system aims to see whether the system designed is in accordance with what is desired or not, after testing and implementation, the quality of a system will be seen. This Supply Chain Management application is web based, will use the byethost.com server as a subdomain and hosting provider site. This site already supports PHP and databases. MySQL. In order to save website files on the byethost.com server, register first.

The Shopping guide form on this web works so that visitors can see how companies shop for. The Contact Us form on this website works so that visitors send private messages to the company. The raw material form at the supplier serves as the place for the raw material from the supplier. The order management form on the admin functions to view incoming orders from visitors or members.

CONCLUSION

After doing the system design and application, this application can. Some conclusions are drawn, including:

1. The Supply Chain Management Methodology is a more organized company in terms of minimizing costs and increasing productivity C.V. Sempurna Tetap Makmur Kisaran through automation between partners with the supply chain in easily getting raw materials and finished goods available according to the needs that exist in this application system. By providing product ordering services and receiving raw materials from suppliers that can be done online.
2. This application can also make it easier for suppliers to make delivery of raw materials to the company by accepting orders for raw materials online and the company continues to provide information to suppliers of any remaining raw material stock.
3. Can facilitate administrators in processing data, and sales data and data items stored in the company's database and can be used if needed. With the data that has been backed up. The entire control system of implementing this application is held by the PC using the PHP and MySQL programming languages as a supporter of the Supply Chain Management application.
4. Using the application of the Supply Chain Management method can make it easier for customers and suppliers to find out and make transactions without having to go to the company.

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