

APPLICATION FOR DISTRIBUTION AND STOCK BUSINESS WEB-BASED DEMO "RAWANG" CIPORS

Nurkarim Nehe

Information Systems, Sekolah Tinggi Manajemen Informatika dan Komputer Royal, Indonesia

Corresponding author:
nurkarimnehe@gmail.com

ABSTRACT

Keywords:

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Supply Chain Management (SCM) is the activity stream of goods that includes planning, providing, production, storage, taransportasi, and distribution of, ranging from the initial point of raw materials (upstream) to the point of usage (downstream). The purpose of this paper is to provide knowledge on supply chain management as well as the components contained within the supply chain management, and implementation of the company is the effort Keripik Deko "Rawang", in helping the company's operations daily. Starting from the supply of raw materials to finished products (Keripik Deko "Rawang") and activities relating to the distribution of products rakik Maco up to the consumer. So that the necessary supply chain management to support and coordinate all of these requirements.

INTRODUCTION

Supply Chain Management (SCM) is a field of study that lies in the efficiency and effectiveness of the flow of goods, information, and money flows that occur simultaneously so that it can unite SCM with the parties involved. The SCM is not only business oriented but takes sides internally within the company, but also external affairs concerning relations with partner companies. To produce quality products and accuracy in delivery of products in accordance with the wishes of consumers, it is necessary to have cooperation between elements in a good relationship[1].

Increased competition in business, increasingly complex customer demand and the increasing number of new products that have arisen, currently triggering every company to be able to compete to create innovative products so that companies can increase competitive advantage. This can be achieved by managing information flow, product flow, and material flow between suppliers, companies and distributors using supply chain management (SCM). In the current era of globalization, the development of information technology is accelerating, encouraging companies to implement SCM electronically through internet media, better known as electronic supply chain management (e-SCM). By using e-SCM, the flow of information between companies with suppliers and distributors as well as the flow of information within the company becomes faster because the internet can provide access to information at any time when the information is needed. Now companies need to consider implementing e-SCM given the complex business processes and many parties involved in the company. By

implementing e-SCM, it is expected that companies can continue to grow to face business competition[2].

Various types of food can be used as a measure of the high culture of the nation concerned. Traditional food is a form of culture that is characterized by regional, specific, diverse types and types that reflect the natural potential of each region. Food is not only a means to meet one's nutritional needs, but is also useful for maintaining human relations, can also be sold and promoted to support tourism which can further support a region's income. Related to traditional food, Indonesian people have long since had a culture of traditional food that is solid. Various regions in Indonesia have a variety of dishes, snacks and traditional drinks that allow Indonesian people to choose and consume delicious, healthy and safe food, in accordance with the moral culture and beliefs of the people

Deko Chips is one of the typical chips of Rawang Lama Village, Asahan Regency. Deko chips are made with a variety of choices such as cassava. Taro and yams, bananas and breadfruit and natural herbs without preservatives .. Suitable to be eaten as a snack or as a side dish with hot rice. And with the development of the age of deko chips more and more known by everyone. Not only in Asahan Regency, deko chips are already well-known in other regions. In addition to its distinctive taste, deko chips also have affordable prices, and can be enjoyed by all members of the community, along with increasing customer demand and purchasing power, producers of deko chips must pay attention to the distribution of goods and stock, because there is still no planning on controlling the supply of goods in the business Rawang's deko chips.

Supply Chain Management, integrating competent business sources in the distribution of goods, including planning and management of Procurement and Logistics activities and related information ranging from raw material places to consumption places, including coordination and collaboration with business partner networks (suppliers , manufacturing, warehousing, transportation, distribution, retail and consumers) to meet customer needs[3]. Therefore, Supply Chain Management (SCM) is needed to help overcome these problems and the benefits of the application (SCM) in stores, namely the first benefit of implementing supply chain management to meet the interests in fulfilling merchandise inventory that has a fast-running nature. Inventory of products for consumer needs must be controlled. Inventory control is very important. Control is done to control the supply of shortages and excess production, supply, or demand. Lack of these products will cause complaints from consumers and the company will lose a number of opportunities to make a profit. Meanwhile the good name of the goods brand and retail image will be bad. As a result, consumers are less loyal to make purchases of these goods, and the negative impact is even more consumers who accidentally do word of mouth promotion to other consumers not to make these purchases. While excess inventory will cause losses for producers[4]. Supply Chain Management (SCM) carries out the flow of goods which includes planning, procurement, production, storage, transportation and distribution, starting from the starting point of raw material (upstream) to the point of use (downstream). With the application that was built can help in building a good relationship between suppliers, manufacturers, distributors, retailers, and consumers, can facilitate data

processing and information on the business of raw deco chips, can increase sales of raw deco chips.

This designed application is web based using PHP and MySQL programming languages. The system design is only for the process of supply, distribution and stock of raw deco chips. The research objective is to facilitate the processing of production data in the raw deco chips business, implementing information technology developments so that the raw deco chips business can develop, Supply Chain Management applied can help a good relationship between suppliers, manufactures, distributors, retailers, and consumers. Supply Chain (supply chain) is an organizational system in the distribution of goods (flow of good) to customers. Supply chain is a network of various organizations that are interconnected and have the same goal in carrying out the distribution of goods properly. Supply chain is a concept in the concept of seeing the problem of channeling goods and solving them not only as internal problems of each company, but is seen as a broader problem from raw materials to finished products used by consumers, is a single supply chain. Supply chain is a business process and information to provide products or services from suppliers through the process of making and distributing goods to consumers. This chain is a network of various companies that are interconnected in the form of partnerships and have the same goals and mutual risks.

company's wealth as a result of procurement activities, in the form of property (production facilities, office buildings, equipment). Marketing is a human activity that is directed to meet the needs and desires through exchange. Important concepts in marketing studies are the needs, wants, demands, products, exchanges, transactions and markets of Tjiptono and in Sudaryono. From this understanding it appears that companies explore what is asked and needed by consumers and then try to develop products that will satisfy consumers so that consumers have many alternative product choices before making a decision to buy a product offered. Thus good product quality can help consumers in making purchasing decisions, so consumers can be attracted to a product produced by the company and will encourage consumers to make purchases of the product with the quality offered.

Distribution is a process of delivering finished goods from producers to consumers or users when needed. The concept of web design is new and develops in line with the development of internet technology. At that time the most basic HTML was used to create very simple website pages with a basic structure using headings and paragraphs. Meanwhile, to facilitate the visitors in browsing web pages, hyperlinks are used for the facility to move from one web page to another web page. At present there are many outstanding programs to help with web development.

METHOD

The research framework is the concepts or stages to be carried out in the research which will be described in Figure 1 below.

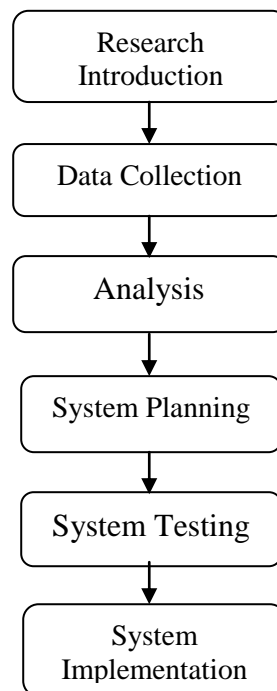


Figure 1. Research Framework

In this study, it was 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. This preliminary research that must be done is to find out on the internet and in books related to SCM that can later be outlined in the SCM application that will be designed, the constraints and any problems that occur in the design of this application, so that the discovery of these problems researchers will try find a way out for the problem.

System analysis is carried out for the initial stage in the design of a system that will be designed, at this stage the performance of the system being designed will be measured, identification of existing problems and steps for the design requirements as expected. To analyze the system, data from the system is needed to be analyzed. The data needed is matters relating to data definition. The process that is carried out is from manufacture to make a sales system to distributors, retailers and customers, sales to distributors, retailers and customers must be done by registration and after that login.

From the above process, a buyer must have an account to be able to transact to buy the product provided. The difference between a customer or a normal user here is in the buying process, a normal user cannot buy a product if he is not logged in first, while the member can buy the product that the manufacturer has provided. To facilitate the implementation of distributors, retailers and suppliers to manufacture the goods to be purchased. To help manufacture promote / sell products that will be seen by members who want to buy.

RESULT AND DISCUSSION

This design illustrates all the appearance of web pages that will be created. On the first page to another page only one page is run on index.php, but the forum page is synchronized with all the views and then the admin page display is all the same, so users can use it easily. One of the steps in developing a system in Supply Chain Management is the implementation phase, at this stage of implementation researchers are required to place an application that is being built to a system, the purpose of this implementation is to determine the extent to which applications on the system can be used and what are the limitations- existing limitations in the application. After seeing the flow or the workings of this application based on the output produced, this application has the following limitations namely, this application can only be used by one agency scope only because the database storage capacity is still limited. This system depends on the life of the computer, because the computer has an important role in controlling the device so that the system can run well. Maintenance is required for the application program that has been made, so that it can be used continuously by the factory.

The design of Supply Chain Management (SCM) is designed using tools such as UML (Unified Modeling Language) to make it easier to move the concept of the system designed into the form of a program. One of the steps in developing a system in Supply Chain Management is the implementation phase, at this stage of implementation researchers are required to place an application that is being built to a system, the purpose of this implementation is to determine the extent to which applications on the system can be used and what are the limitations- existing limitations in the application. The implementation of the program is the realization of the design that has been made with UML, the design of the system that has been made is converted into an application program. To implement the Supply Chain Management application program, it requires supporting applications that must be installed first and configured correctly so that the program that has been created can run and function as it should.

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. The program display is a sub-chapter that explains about the process of commencement until the program is finished executing, the points in this sub-chapter will explain about how a form is executed and what functions are contained in that form.

CONCLUSION

After doing the system design and application of this application can some conclusions are drawn, including: the application of Supply Chain Management can facilitate the management of production and procurement of goods. Based on data and information, making it easier in sales and in preparing reports. Based on the application

that is designed to facilitate the distribution of goods both from suppliers to manufacturers, distributors to retail outlets and customers.

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