

## CHAPTER I

### INTRODUCTION

#### 1.1 Background

The development of information and communication technology today has grown quite rapidly, so that has helped the process of human activity in performing daily activities. Even in the world of trading has exploited advances in technology to improve services to consumers instantly. By using computer technology, communication and information, it is certainly useful for traders of goods, service providers and consumers in the transaction. Where the transaction process is no longer limited by time and space. Simply by used media computer with internet connection at a location and then opening address of supplier sites, so consumers can get the desired goods without having to market or store that takes time and mileage. In the implementation of information systems, providers of goods and service products including goods or services that are held in a container called web. This site will be running in the computer network known as the Internet, where consumers live access to the web address anywhere there's internet access. This information system known as e-commerce, short for electronic commerce, which means trade using electronic media.

JN'Fashion is an effort fashion store who rely social media as a place to do business. However, the downside of social media is on the side of employers, entrepreneurs should recapitalize sales data manually. Process sales data manually recap this is what can lead to the possibility of data recording errors or missing data. The other drawback is the frequent occurrence of hoarding consumer incoming chat, chat consumers who provide proof of transfer is often not seen and

neglected. So that consumers often complained that his order goods did not come.

At this time Jn'Fashion Store already joined in a marketplace. But employers must compete with other entrepreneurs for their price competition. Buyers tend to prefer products with lower prices. This is what underlies Jn'Fashion Store wants to develop the processing of information on the collection of sales, purchasing, and inventory. By considering the advantages and disadvantages of e-commerce platform, and also the needs of Jn'Fashion Store, The author chose an independent website as a means of sales and a media campaign Jn'Fashion Store, The advantage of this is a standalone website creation employers are free to determine what content you want displayed on the website. Employers are also free to determine features that would like to be served. The downside of using an independent website is in terms of introducing the website to the public. This can be circumvented by the use of SEO (Search Engine Optimization).

Based on the background of the above problems, the authors are interested to take the title "Analysis And Design Of Web-Based Sales Information System At Jn'Fashion Store" using the HTML programming language, XAMPP and MySQL as the database server.

### **1.2 Formulation of the problem**

Based on the background that has been stated, the problem that can be formulated is "How is a Website-Based Information System at Jn'Fashion Store created by PIECES analysis and Waterfall method ?"

### **1.3 Scope of problem**

Based on the formula above problems, to focus the discussion in this case the authors limit the scope, namely:

1. Systems analysis aimed to find out the sales system applied to Jn'Fashion Store.
2. Sales information system design based on the needs Jn'Fashion Store.
3. *Text Editor* used to build this website is Sublime Text.
4. *Database* used is MySQL with XAMPP software.

5. *User* as the owner of the shop can access the full application.
6. There is a menu confirmation of payment to consumers who already pay.
7. There were reports of decision-making to determine the most number of stock items will be sold.
8. The payment process is done by way of transfer with confirmation of receipt of transfer.
9. In addition to the sale transaction, the system displays customer reviews or comments related to the product.

#### **1.4 Objectives Problems**

The purpose and objectives of the research conducted as follows:

1. Utilizing the development of information technology that provides ease in accessing information by means of the use of information systems based websites. The information can be accessed online be an appropriate alternative for Jn'Fashion Store in developing its business.
2. Adding to the experience and knowledge in designing web-based information systems.

#### **1.5 Benefits of research**

The benefits from the research:

##### **1.5.1 For Jn'Fashion Store**

1. Expected to provide an alternative and a solution to improving performance in serving consumers and certain perperiode sales report generation.
2. Allows the owner to see a transaction registry purchase by consumers.
3. Allows the owner to see the inventory data collection dress and khimars well as the data of each consumer.

### **1.5.2 For Authors**

1. Adding insight and capabilities that can be added the curriculum vitae (CV).

## **1.6 Research methodology**

### **1.6.1 Research methods**

The method used in this study is a qualitative research method. Qualitative research method is a method that is more emphasis on the in-depth understanding of a problem rather than looking at the problem of generalization research. The research method is preferred to use in-depth analysis techniques (in-depth analysis), which examines the issue case by case as qualitative methodology believe that the nature of the problem will vary with the nature of other problems. The purpose of this methodology is not a generalization but in-depth understanding of a problem. Qualitative research serves to provide substantive categories and qualitative research hypothesis.

### **1.6.2 Method of Collecting Data**

#### **1.6.2.1 Methods of Observation**

This method is done by the authors observed or observation of the object under study is in Jn'Fashion Store to obtain any other information that is not obtained from the interview method.

#### **1.6.2.2 Methods Interviews**

This method is done by way of question and answer directly to the owner Jn'Fashion Store to obtain data needed for research on common overview of existing information systems.



### 1.6.2.3 Case Study Method

This method is performed to monitor the system and the activities of the existing sale and purchase transactions in Jn'Fashion Store, however, the existing system is still manually using short messages.

### 1.6.2.4 Method Literature

Author collecting data by reading and studying books library associated with the object of research to be used as a reference or use as contemplated.

### 1.6.3 Analysis method

To identify the problem, the impacts on performance, information, economic, application security, efficiency and service. This guide is known PIECES analysis (Performance, Information, Economy, Control, Efficiency, and Services). This analysis is usually derived from some major issues.

### 1.6.4 Design Method

After doing the analysis, the authors then designed a system by creating a model flowchart and DFD as a description of the relation between tables to obtain the ideal structure of the data tables.

### 1.6.5 Methods Development

The design of web-based sales information system should be gradually carried out, where in the steps being taken should be in accordance with the procedures in order to avoid repetition of stages and minimize errors. To that end, researchers used waterfall method.

### 1.6.6 Testing methods

In the testing method, the authors use the method of black box testing and white box testing as the improvement and quality measurement system built with a website that will look for possible errors (error) which is in the program for

further evaluation and correct any errors.

## **1.7 Writing system**

In a systematic scientific writing consists of several chapters that are useful to know the information that will be discussed at each of its chapters, namely:

### **CHAPTER I PRELIMINARY**

This chapter contains the background of the problem, formulation of the problem, problem definition, research objectives, the benefits of research, methodologies research, and systematic research.

### **CHAPTER II THEORETICAL BASIS**

This chapter describes the theoretical basis that involves understanding information systems in general, understanding web E-commerce, E-Commerce web subsystems and components.

### **CHAPTER III ANALYSIS AND DESIGN SYSTEM**

This chapter provides an overview, analysis of systems, solutions, and also described the design of the system being designed.

### **CHAPTER IV IMPLEMENTATION AND ANALYSIS SYSTEM**

This chapter contains the author stages in the implementation of the system design, discussion systems, developing applications, testing until implementation of the application objects.

### **CHAPTER V COVER**

This chapter contains conclusions and suggestions to the researchers summarized during the process of research and manufacture of systems of the discussion paper.