

CHAPTER I

INTRODUCTION

1.1 Background

Along with the development of technology and economic development, with all the ease that exists today, people prefer something that is instant and does not take long. This was proved by the attitude of people who are likely to buy something online. Not only purchases the secondary needs that can be purchased online, but the purchase of a primary need at this time can also serve online.

In the thought and behavior of people is growing along with the development of technology, the need for information is also increasing. But often entrepreneurs pay less attention to information as important. The ease of access to such information should be considered for entrepreneurs, small business and large business.

One of the solutions to improve the ease of access that information is by the use of web-based information systems based. The information can be accessed online can be an appropriate alternative for entrepreneurs in developing their business. There are several options for entrepreneurs if you want to develop your online business, such as create a independent website, through the marketplace, or through social media. Each platform certainly has advantages and disadvantages of each. For example, if the entrepreneur sells goods at a marketplace, entrepreneurs will find it easy because it has

provided a wide range of business support features, such as sales statistics. On the other hand, entrepreneurs have to compete with other entrepreneurs for their price competition. Buyers tend to prefer products with lower prices. As with the social media. Social media is a platform that is promising in the current era, especially young children. Entrepreneurs will better understand market demands by social media. Social media offers ad features to support the business. However, the downside of social media is entrepreneurs should recapitalize sales data manually. Recap process sales data manually, can lead to the possibility of data recording errors or missing data. Other options in online business is through an independent website. The advantage of this standalone website is entrepreneurs are free to determine what content they want to display on the website. Entrepreneurs are also free to determine the features that want to work, such as selling features and articles. The downside of using an independent website is in terms of introducing the website to the public. This can be overcome by the use of SEO (Search Engine Optimization).

It is the driver of Kopirelo to utilize the maximum of information, whether the information comes from within the company, as well as the information that comes from outside. Kopirelo coffee wants to develop the processing of information regarding the collection of sales, purchasing, and inventory. By considering the advantages and disadvantages of e-commerce platform, and also the needs of the coffee company Kopirelo, the author chose an independent website as a means of sales and ordering coffee and a

media campaign Kopirelo coffee company.

Kopirelo daily coffee company serves order and sales Indonesian coffee to consumers. Currently, the service system Kopirelo still use short message, which would require a lot of time to reply to text messages from consumers one by one. To that end, the author gives a solution using HTML5 programming language in the creation of websites to help the online sales system.

1.2 Problem Statement

Based on the background that has been presented, the problem can be defined is how to build a web-based information system as media sales promotion and facilitate transactions?

1.3 Scope of problem

Based on the problem statement above, to focus the discussion in this case the author limits the scope, namely:

1. Systems analysis aimed to find out the sales system applied to Kopirelo.
2. Sales information system design based on the needs of Kopirelo.
3. Software used to build this website are Sublime Text 3065 and Corel Draw.
4. Database used is MySQL with XAMPP software version 3.2.2
5. User as the owner of the shop can access the full application.

6. The processed data includes Customer Data, Supplier Data, Sales Data, Purchasing Data, Data Coffee.
7. The data generated is Customer Data report, Supplier Data Report, Reports Sales Data, Purchasing Data Report, Report Data Coffee.
8. In addition to the sale transaction, the system displays the articles related to coffee.

1.4 Purpose and Objective

The aim of the research is intended to analyze, design, and change the sales system is still manually using short message into a web-based sales information system at Kopirelo so that the system will have the ability to:

1. Store, modify, and delete the admin data, customer data, supplier data, and data coffee.
2. Make record purchases of coffee from a supplier.
3. Make record sales transactions made by customers.
4. Perform transaction recording order made by the customer.
5. Calculating the total cost of the transactions made by customers.
6. Print reports purchases, order and sales.
7. Print reports admin data, customer data, supplier data, and data coffee.

1.5 Method of Research

1.5.1 Method of Collecting Data

1.5.1.1 Observation

This method is done by the author by observing the object which is Kopirelo Yogyakarta to obtain other information that is not obtained from the interview method.

1.5.1.2 Interview

This method is done by way of question and answer directly to the owner Kopirelo to get the data needed for research on general overview of existing information systems.

1.5.1.3 Case Study Method

This method is performed to monitor the system and the activities of the existing sale and purchase transactions in Kopirelo.

1.5.1.4 Bibliography Method

The author conducted data collection by reading and studying the books of literature related to the research object to use as a reference or consideration.

1.5.2 Method of Analysis

To identify problems, an analysis of performance, information, economy, application security, efficiency, and services are performed in this research. This guide is known PIECES analysis

(Performance, Information, Economy, Control, Efficiency, and Services). This analysis is usually derived from some major issues.

1.5.3 Method of Designing

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 get ideal data table structure.

1.5.4 Method of 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. Therefore, author used waterfall method.

1.5.5 Method of Testing

In the testing method, the author uses the white-box testing methods. White box testing is a test that is based on checking the detail design, using the control structure of the program design procedurally. This method also divides testing into some cases. From the explanation glimpse of the white-box testing, we can conclude that with this method will get the correct program.

1.6 Systematics of Writing

The systematics of writing can be described briefly as follows:

CHAPTER I INTRODUCTION

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

CHAPTER II THEORETICAL BASIS

This chapter contains a literature review and the foundations of the system regarding the manufacture of coffee sales information system, which elaborated on the introduction of information systems, the basic concepts of information, the basic concepts of information systems, as well as the basic concepts of database systems.

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 TESTING

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 DISCUSSION

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

