



Web-based Pentaca Sale Information System Implementation

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Abstract

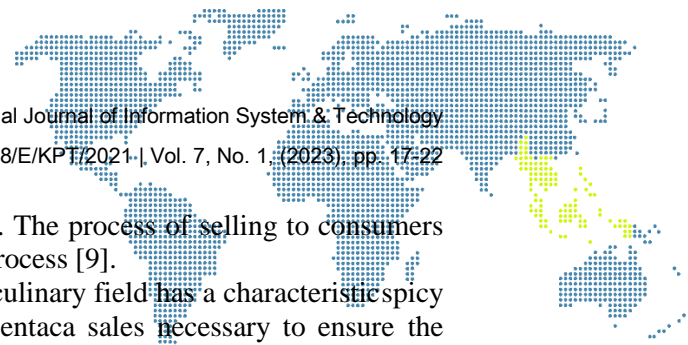
Pentaca products are experiencing problems in the form of managing Pentaca customer order data which is still being done manually by writing it in a book, making it difficult for Pentaca brand owners to manage customer data and make monthly reports for these products. The application of information systems in pentaca sales is needed to ensure that the business operates properly and improves the quality of service to customers. This study uses qualitative research methods to fulfill the use of the subject under study and collects data from various case studies, personal experiences, interviews with brand owners, visuals depicting everyday life. The system development uses the waterfall method. The data collection technique used is by direct observation, direct interviews and taking documentation of the business owner. With this system, it makes it easier for customers to buy these products and also makes it easier for brand owners to make monthly product purchase reports and manage financial reports.

Keywords: information system, pentaca brand, waterfall, web

1. Introduction

Along with the development of the times and the development of existing technology can make it easier for humans to get information, can't avoided if every group in this global era also utilizes existing technology to collect data that is accurate (correct) and actual (according to current conditions) [1]. Internet has become one of human needs. Where is the network the internet is increasingly advanced, all people can access information without recognize geographic boundaries[2]. Internet users will dominate all activities on present and future. With the existence of this internet all activities as well as Transactions can be made without a time limit. Internet is also one of the means global marketing which can be accessed 24 hours non-stop and can be used as promotional media [3]. Competition in the business market is largely influenced by the world of technology information that is getting more advanced what if you don't take advantage of technology in business likely to affect the success of the business and over time there have been many examples and their impact by the majority of simple people become modern and fast-paced so that it affects the behavior of inside information all fields [4]. and also requires e-commerce to enable a businesses can sell the products they make to more consumers.

E-commerce is a container for buying and selling activities or transactions using electronic media (internet). Business owners who have taken advantage of e-commerce, so that it can affect the social and economic life of society. The existence of e-commerce, the company's business can be run without being limited by time [5]. The use of internet technology, especially in the field of management, will bevery makes it easier to run a business, and collecting data can be direct used as precise and accurate information, therefore we need an information system computer-based management [6]. One of the benefits of developing information systems in this business is that can grow bigger and be known by many people so that it can open jobs and one of the effective solutions to the economic problems of small and class society medium for survival [7]. Business is an activity carried out individually or as an organization starting with procuring production, raw materials, marketing, and distribution to consumers in the form of goods or services



with the aim of obtaining profit and satisfaction [8]. The process of selling to consumers is a success, for this we need a way to simplify the process [9].

Pentaca itself is a small business engaged in the culinary field has a characteristic spicy food. Implementation of information systems on pentaca sales necessary to ensure the business operates properly. The Pentaca owner explained management of pentaca customer order data which is still being done manually by writing it in a book, making it difficult for pentaca owners to manage data customers and make pentaca monthly reports. Especially in ordering products must through direct reservations, customers must come to the point of sale in advance certainly makes it difficult for customers to order. The work is less efficient and difficult to develop the business because not many outside consumers recognize the product this [10]. Market information is needed to find out low marketing gross profit in order to generate profit (profit) for brand owners, business actors and also buyer. To carry out research entitled Application of Sales Information Systems Web Based Pentaca. This system will be made into an integrated system, and will integrate culinary market information. This research was also made to obtain the system who can expand the culinary market network, submit reports quickly, precisely target, accurate and also accountable, by sellers, consumers, as well as party concerned with the sale.

This research aims to improve the quality of service using existing system [11] This study uses qualitative research methods to fulfill the use of subjects studied and collecting data from various case studies, personal experiences, interviews with brand owners, visual depictions everyday life. The data collection technique used is the method conduct direct observation, direct interviews and take documentation to the business owner.

2. Research Methodology

In this study using qualitative methods that will fulfill the use of the subject under study must collect data from various similar case studies, personal experiences, interviews, visuals that describe everyday life. The flow of completion to system design in research methods:

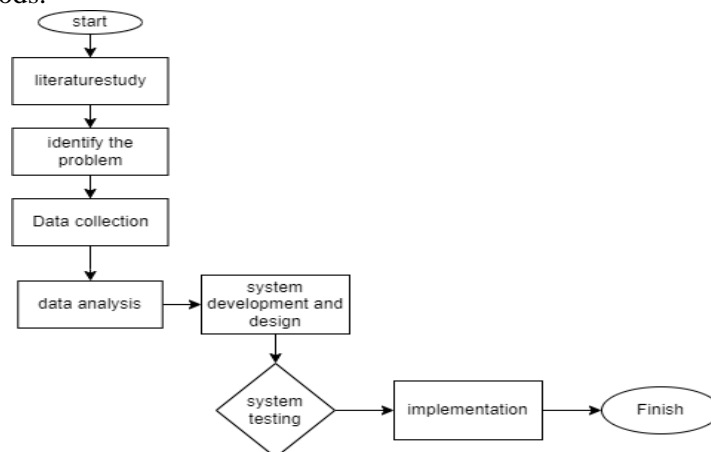
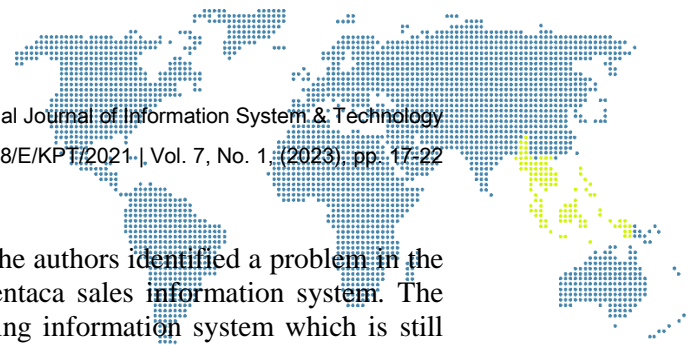


Figure 1. Research methods

2.1. Literature study

Literature study is the theoretical basis for collecting research data by reading books related to case studies and also reading several journal references that are appropriate to the problem being studied. Literature studies are conducted so that writers can get inspiration and ideas in carrying out research, determine research directions, find a problem to study, and find accurate information about the problem to be studied.



2.2. Identification of problems

Given the increasingly fierce sales competition, the authors identified a problem in the research on the implementation of a web-based pentaca sales information system. The problem that exists is regarding the pentaca ordering information system which is still done manually and will be developed into an online system development to make it easier for customers to place orders.

2.3. Method of collecting data

The data collection method that will be used in conducting this research is by conducting direct observations and interviewing pentaca brand owners and conducting a literature review to obtain several references related to the research title. The author made observations of the pentaca brand in order to find out how to market the brand, the product purchasing process, and payment transactions.

2.4. System Development Method and Design

The internet plays a very important role in all aspects, especially in the current technological era [12]. System development that will be used is the waterfall method. Where the waterfall method is a type of system development in which the initial stages of the author must design the system and design it using UML (Unified Modeling Language) and then develop it. In using the pentaca management system owner, it can manage data related to creating information in the form of adding, deleting, changing, managing and displaying report data.

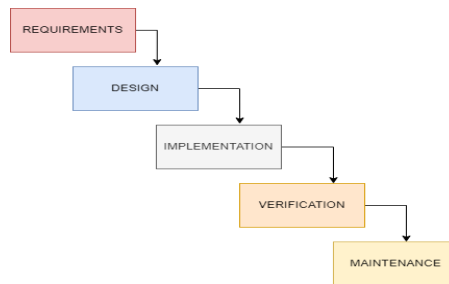


Figure 2. Metode waterfall

Here are some things that need to be prepared in system design:

2.5. Use Case Diagram

Appearance in designing use case diagrams on PENTACA BRAND. In the web-based pentaca ordering use case diagram, where there is an admin who can search, add, delete, change, and update products and transaction reports.

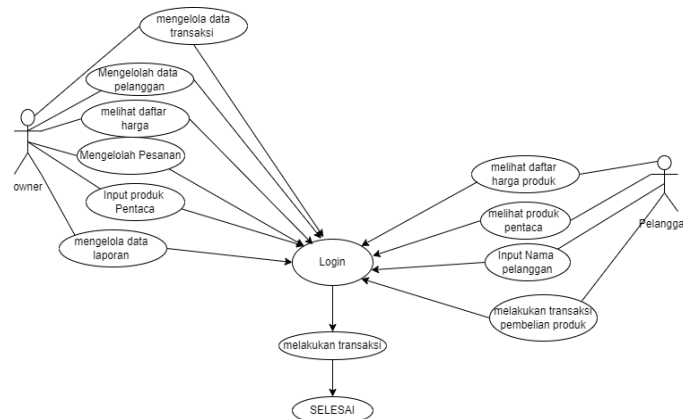
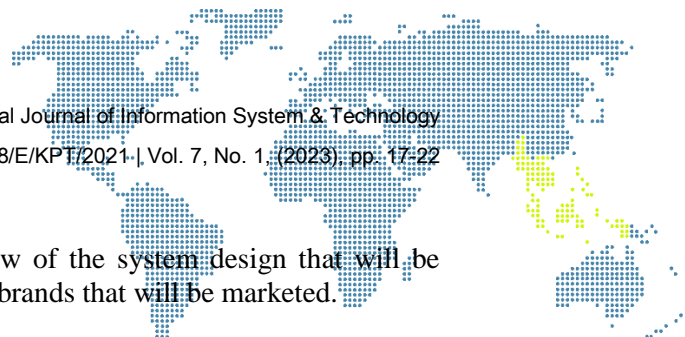


Figure 3. Use case diagram pentaca



2.6. Class Diagram

The Class Diagram display above is an overview of the system design that will be made and represents various system components for brands that will be marketed.

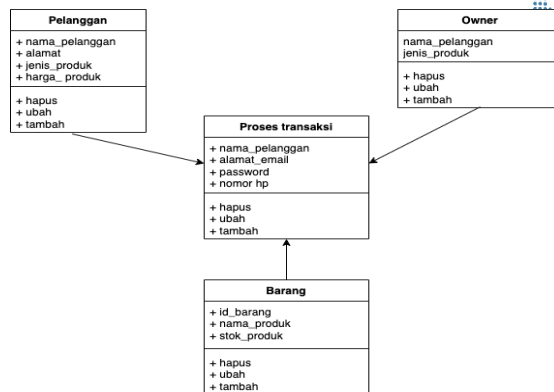


Figure 4. Class Diagram pentaca

3. Results and Discussions

In this section to clarify the research entitled " Web-based Pentaca Sale Information System Implementation" I will presenting the results of the program that I have designed.



Figure 5. Home page

This page displays a description page. On the homepage, potential customers can see a view on sales by reading the description.

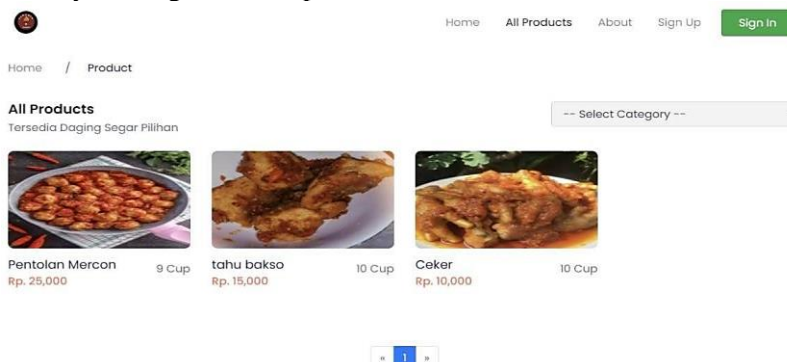


Figure 6. Options menu

This page displays the information page [13] where customers can choose the menu they want to buy. Before ordering food, customers who don't have an account must first create an account so they can access the program and order it. This login can also be used for admin.

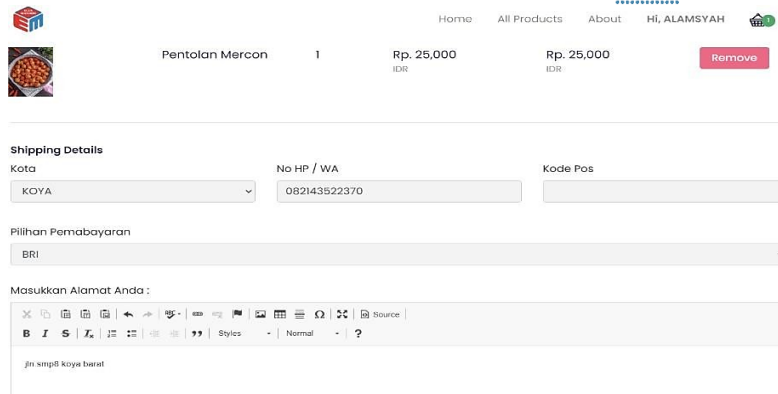
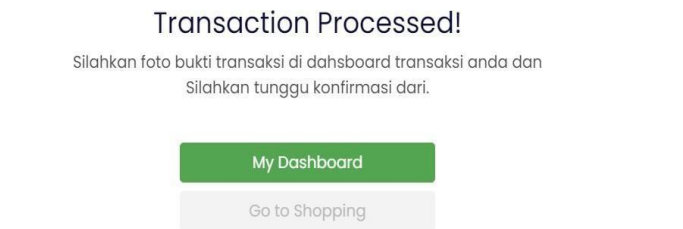


Figure 7. Ordering food

In this section, the customer completes their personal data and presents proof of payment so that the food delivered is not sent to the wrong address and reaches the customer safely.



Wait until the admin processes and confirms the payment.

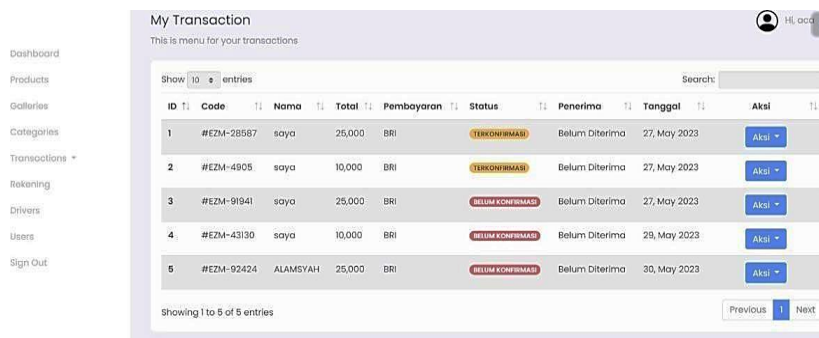
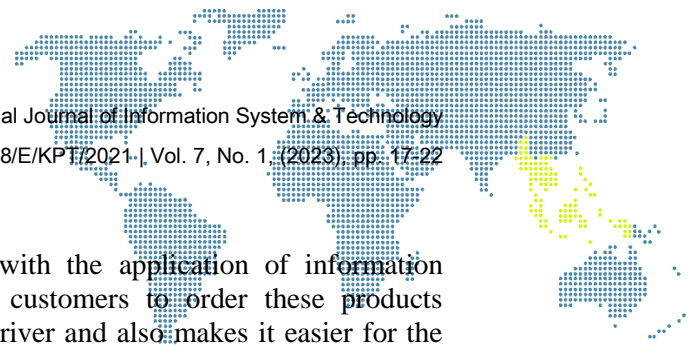


Figure 8. admin processing payment

After the admin confirms the order on the customer's dashboard, the writing will change from unconfirmed to confirmed.



Confirmation is complete and the order is ready to be delivered with our driver.



4. Conclusion

With this research, it can be concluded that with the application of information systems to pentaca sales can make it easier for customers to order these products practically because directly delivered by the shop driver and also makes it easier for the owner the brand in managing purchasing data and financial reports. As for the advantages of this system This information facility system is very effective for make it easier for customers to choose orders, because of the system make the payment process practical.

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