



Information System For Sale Of Muslim Clothes Based On E-Commerce Technology

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ABSTRACT

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The evolution that occurs on the internet is one of the most interesting phenomena in technological advancements that are happening now. One aspect that is arguably the main one in this evolution is the emergence of electronic commerce (e-commerce) in the business environment. E-commerce changes almost all the functions of the business area and every activity, from buying and selling to advertising. With the birth of E-commerce, it is easier for consumers to make buying and selling transactions without having to come to their place. Muslim clothes shop ayu fashion shops, established in 2012, is a shop that provides a variety of Muslim clothing. Muslim clothing that is sold in the ayu fashion shops stores includes several categories including Muslim, hijab, robe, and couple. The formulation of the problem in this study are (i) how to create information systems for selling Muslim clothing information systems assisted by e-commerce technology, (ii) How to test web-based ordering information media at ayu fashion Muslim clothing stores. The purpose of this study is (i) to create an information system for selling Muslim clothing information systems assisted by e-commerce technology, (ii) can produce web-based ordering information media testing at ayu fashion Muslim clothing stores. The research method used is a waterfall. Some conclusions that can be drawn from Muslim clothing stores and application of the system to the problems that exist in the design of e-commerce Information Systems at Muslim clothing stores ayu fashion shop are as follows: (i) Consumers can order products at these Muslim clothing stores anywhere that are connected with the internet network, consumers only need to register, log in, choose products and place an order, (ii) Designing an e-commerce in a Muslim clothing store ayu fashion shop can provide solutions to the problems faced by the ayu fashion shop Muslim fashion shop in the product sales process as well as product marketing solutions for companies, (iii) Testing of e-commerce information systems in Muslim clothing stores with results according to the needs or designs created.

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1. Introduction

The evolution that occurs on the internet is one of the most interesting phenomena in technological advancements that are happening now. One aspect that is arguably the main one in this evolution is the emergence of electronic commerce (e-commerce) in the business environment. E-commerce changes almost all the functions of the business area and every activity, from buying and selling to advertising. With the birth of E-commerce, it is easier for consumers to make buying and selling transactions without having to come to their place. Muslim clothes shop ayu fashion shops, established in 2012, is a shop that provides a variety of Muslim clothing. Muslim clothing that is sold in the ayu fashion shops stores includes several categories including Muslim, hijab, robe, and couple.

The sales system that has been used by Muslim clothes shops ayu fasion shops is by way of cooperation between friends through the media at this time, namely cell phone (cell phone) sales system in this way is considered less effective and efficient. If you only rely on the sales system in this way, store





income does not experience a significant increase. The formulation of the problem in this study are (i) how to create information systems for selling Muslim clothing information systems assisted by e-commerce technology, (ii) How to test web-based ordering information media at ayu fashion Muslim clothing stores. The purpose of this study is (i) to create an information system for selling Muslim clothing information systems assisted by e-commerce technology, (ii) can produce web-based ordering information media testing at ayu fashion Muslim clothing stores.

2. Research Methods

The research method or framework in this research is to carry out a gradual and directed research as shown below

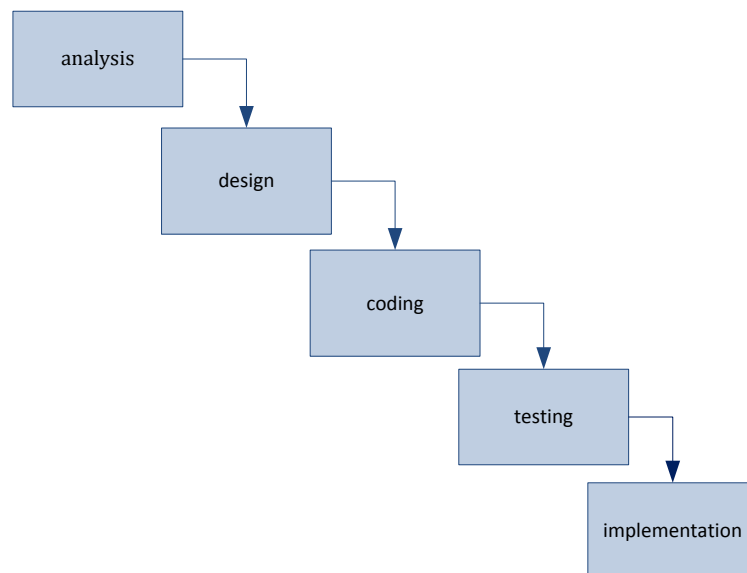


Fig 1. Waterfall

3. Result

3.1. System design

a. Proposed system diagram

In designing the e-commerce information system at the Muslim fashion shop ayu fashion shop, the author uses UML to illustrate the proposed system diagram. This diagram will then describe the system to be built. The author uses three diagrams, namely use case diagrams, activity diagrams, and sequence diagrams.

a. Usecase Diagram

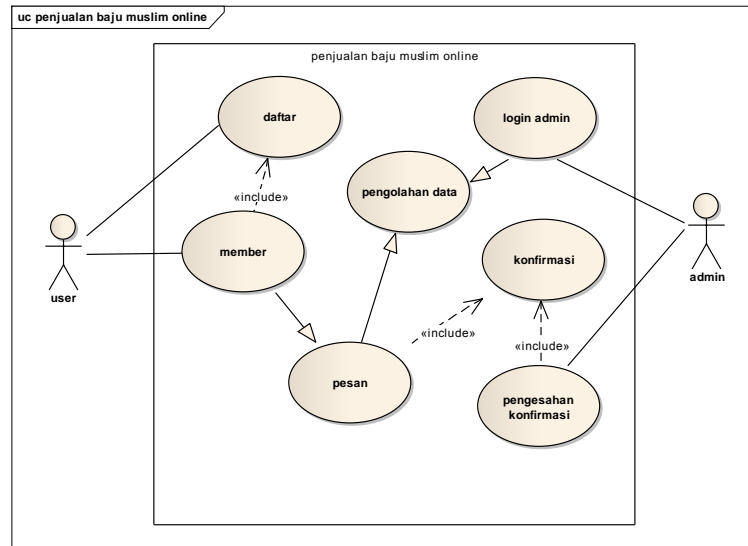


Fig 2. Usecase Diagram

b. Activity diagram

Activity diagram is a form of flow diagram that models the workflow of an information system process and the sequence of activities of a process. The user enters on the website of the Muslim fashion shop ayu fashion shop and sees information about the Muslim fashion shop ayu fashion shop on the main page of the user's web faced in the member list menu, if you want to be a member then the user is required to fill in the member data form that has been prepared. After that the member makes an order for the product according to the product category that will be ordered. The system will record the product ordered by the consumer into the shopping basket. after shopping, the consumer confirms the payment first and the system will store the confirmation data in the database. After that the administrator will see the entry order and authorize product orders, if the consumer has made a payment then the admin will change the order status to paid or sent according to the required status update. Then the admin will process web data or web content updates.

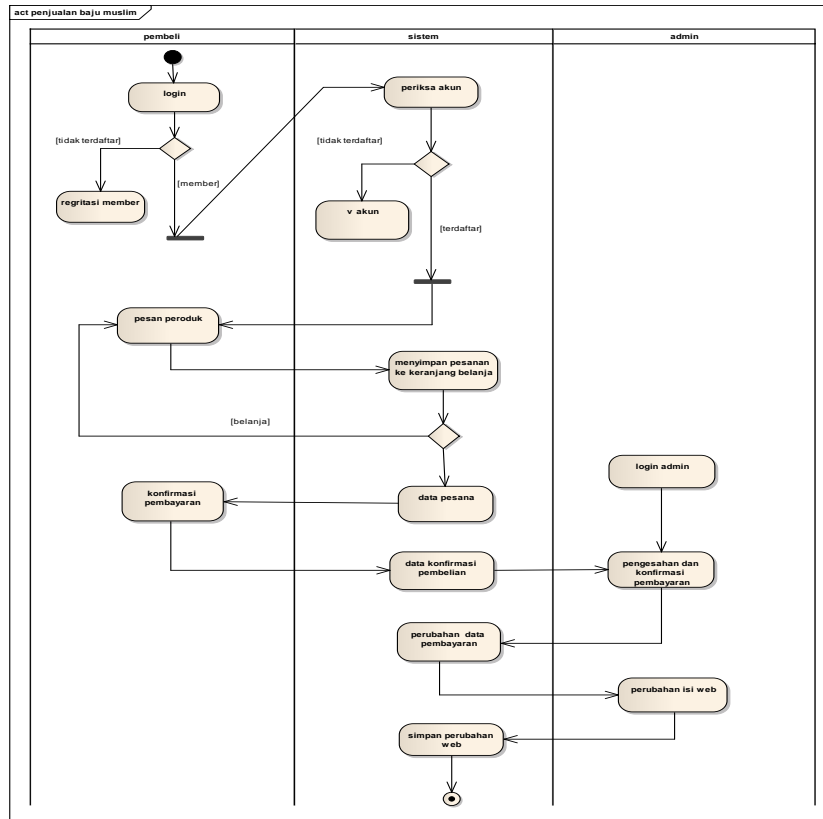


Fig 3. Activity diagram

c. Sequence Diagram

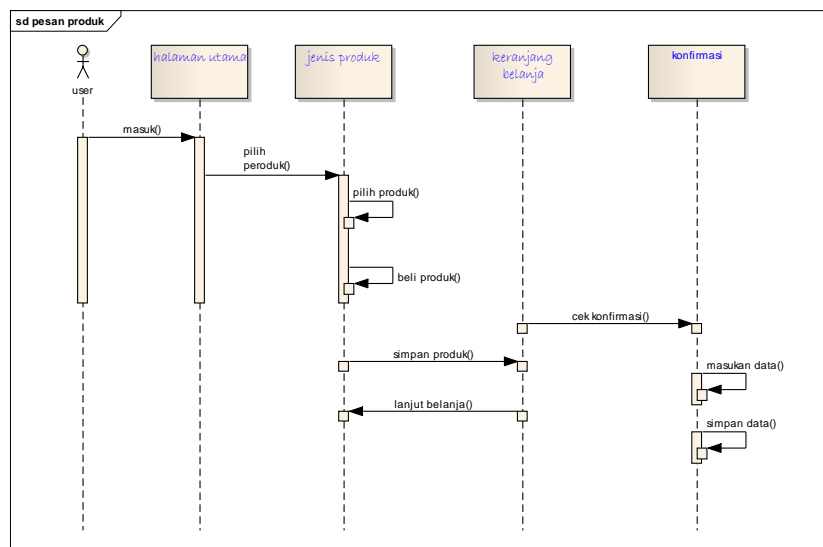


Fig 4. Booking



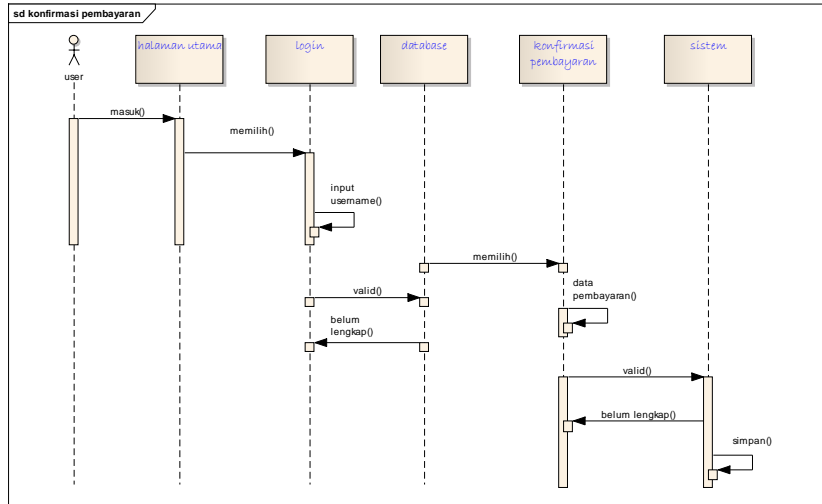


Fig 5. Payment

b. Diagram HIPO

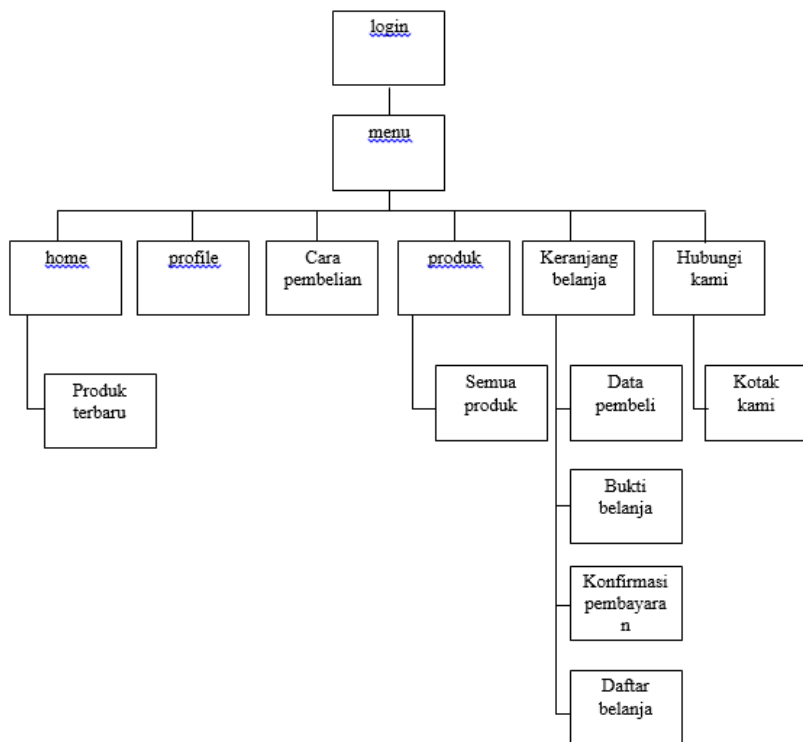


Fig 6. HIPO Diagram

3.2 Implementasion



Bukti Belanja
Data Pembeli (Nomor Bukti : # 78)
Nama Lengkap asrul idra irawan
Email asrul.irawan@gmail.com
Telp / HP 08567372889
Alamat jl.cihideng, cikupa, tangerang, 52255
Kota Jakarta

13158126

Welcome, Pengunjung

Kategori Produk

- mukenah
- jilbab
- couple
- gamis

Bank Pembayaran

BRI No. Rek : 11022000112
an. retina ayu
BNI No. Rek : 10897282
280752 an. ayu
BCA No. Rek : 0020111282
111 an. retina ayu ningrum

Daftar Belanja Anda

No.	Gambar	Nama Produk	Harga Satuan	Jumlah	Total
1		gamis	Rp. 350,000	1	350,000
2		mukenah	Rp. 100,000	1	100,000
Sub Total					450,000
Ongkos Kirim					15,000
Total Belanja					465,000

Cetak Bukti | Kembali ke Dashboard

Fig 7. Display Order Process

3.3 Testing

a. System Validation on the Index Page System

Function: Member List

Data assumptions: member registration is going well

Description: input data in the textbox provided on the member registration form

- Testing
 - ✓ List member, click the list menu and input data as instructed
 - ✓ Click the list menu then do not enter incomplete data.
- Expected results
 - ✓ After clicking the list, will display a message that the registration was successful, the system will proceed to the login page.
 - ✓ Will display a message "that the form must not be blank."
- Results obtained

As expected

- Conclusions

VALID

Functions: Member Login

Data assumption: member login is going well

Description: members click the login button and input their username and password in the textbox provided on the form.

- Testing
 - ✓ Click the member login menu by entering your username, password correctly.
 - ✓ input username, login password is incorrect.
- Expected results
 - ✓ Enter the home page
 - ✓ displays a message that the login is successful
 - ✓ Displays the message "login failed, username, password incorrect, click OK
- Results obtained

As expected.

- Conclusions

VALID

Function: Select the desired product category

Data assumptions: the selection of product categories according to the menu chosen and already going well

Description: choose a product category to choose from.



- Testing
 - ✓ Select the selected product category.
 - Expected results
- Displays products according to the selected category.

- Results obtained
- As expected
- conclusions

VALID

Function: Shopping Cart Delete Action

Data assumptions: delete shopping cart action going well

Description: delete one product that is selected or currently being displayed

- Testing
 - ✓ Select or display the product to be deleted. Then click the delete record button.
 - ✓ Select or display the record to be deleted then click the delete record button.
 - ✓ Select or display the report to be deleted. Then click the delete record button
- Expected results
 - ✓ There is a message, are you sure you want to delete the product?
 - ✓ There is a message, are you sure you want to delete the product?
 - ✓ Click the OK button and the product is deleted
 - ✓ Display the message box, are you sure you want to delete the product in question?
 - ✓ Click the CANCEL button.
- Results obtained

As expected

- conclusions
- VALID

Function: Order Process

Data assumption: the order process is going well

Description: input data on 5 pieces of textbox on the form provided.

- Testing
 - ✓ inputting 5 pieces of text box data, including:
full name, address, telephone, email, destination city. after that press the process.
 - ✓ inputting data 4 pieces of text boxes, including:
full name, address, telephone, email, destination city. after that press the process.
- Expected results
 - ✓ There is one new data containing data that has been input into the textbox in the form provided.
 - ✓ Displays the text of the message that the form must not be blank.

- Results obtained
- As expected

- Conclusions
- VALID

4. Conclusion

Some conclusions that can be drawn from Muslim clothing stores and application of the system to the problems that exist in the design of e-commerce Information Systems at Muslim clothing stores ayu fashion shop are as follows: (i) Consumers can order products at these Muslim clothing stores anywhere that are connected with the internet network, consumers only need to register, log in, choose products and place an order, (ii) Designing an e-commerce in a Muslim clothing store ayu fashion shop can provide solutions to the problems faced by the ayu fashion shop Muslim fashion shop in the product sales process as well as product marketing solutions for companies, (iii) Testing of e-commerce information systems in Muslim clothing stores with results according to the needs or designs created.



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