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# Blessing Store Online Website Creation Using Php and Mysql

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## Abstract
Blessing Store is a business engaged in the sale of clothes, shoes and hoodies located in Rawalumbu District, Bekasi City, West Java. Blessing.Store offers various types of clothes, shoes and hoodies. So far, Blessing Store product marketing has been through Instagram social media. Basically, the use of this media has been able to increase marketing and sales. However, there is another problem in the use of this media, namely the form of product promotion through advertising must incur quite a large cost because the advertising display rates are expensive to reach more consumers. Therefore, in this Scientific Writing, a Blessing Store website was created using PHP and MySQL. The stages of creating this website include designing the website appearance, creating a database using MySQL, creating program codes using PHP programming, creating a website appearance using the Bootstrap framework, and testing. Based on the results of testing the Blessing Store website using the Blackbox Testing method, device, browser, all page functions contained in this website have been successful according to their functions, so it can be concluded that the creation of the Blessing Store website has run according to what is expected and there are no obstacles. This website is expected by consumers to get information about products, locations, how to order, payments, and so on in more detail and complete. In addition, this website can facilitate Blessing Store managers in managing transactions, organizing incoming orders, and increasing marketing activities. The Blessing Store website can be accessed via the url address http://blessingstore.my.id/.
**Keywords:** Website, MySQL, PHP, Ecommerce

## INTRODUCTION

The development of the sales industry in Indonesia is currently growing and developing very rapidly. These sales industries really need media (websites) to publicize the products they produce. Because of this, the role of publication media such as websites is very necessary in order to publish products and goods that have the potential to be sold. Apart from being used for promotions, websites are also used for selling and purchasing products. By using the website, services and products can be seen and accessed by all groups from different parts of the world. With flexible website capabilities, it can be used for various purposes. That way, the website can also be used to serve customers who visit online stores.

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In one type of business that serves customers in selling clothes, the role of e-commerce is very important for B2C (business to customer) transactions. Apart from that, one type of conventional marketing is still difficult to do in marketing. With the emergence of this problem, it is necessary to have a website-based site.

Meanwhile, the problems that occur today are very unbalanced with the rapid development of this era. A marketing system that only covers the surrounding environment greatly hinders the marketing of the development of product information being sold. Therefore,

the existence of a website is expected to really help convey detailed product and price information to customers so that customers can easily access the information they need.

## RESEARCH METHOD

The research method used in this study employs the System Development Life Cycle (SDLC) Waterfall approach. This method was chosen because it is a classic, straightforward model with a linear system flow, where the output of one step becomes the input for the next. The stages included in the SDLC method are as follows:

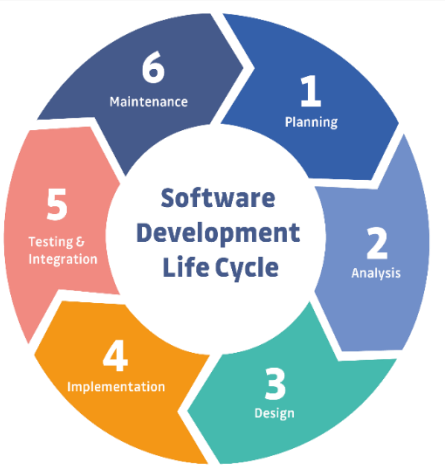


**Figure 1.** Waterfall Method

**PROJECT PROCESS 1. Navigation Structure**

The navigation structure is the flow used in the application being created. Before compiling multimedia applications into software. The navigation structure is very important in creating a website design so that you can determine what kind of website will be created. The author uses a composite (mixed) navigation structure, namely a non-linear and hierarchical navigation structure. Where the structure is divided into 2, namely the navigation structure for users and the navigation structure for admins.

**Navigation Structue Admin**

It is a non-linear navigation structure, meaning users are not required to follow a rigid or sequential order to access the available features. Instead, the diagram illustrates that users can quickly move from one feature to another without having to go through a linear page sequence, creating a more flexible and efficient navigation flow.

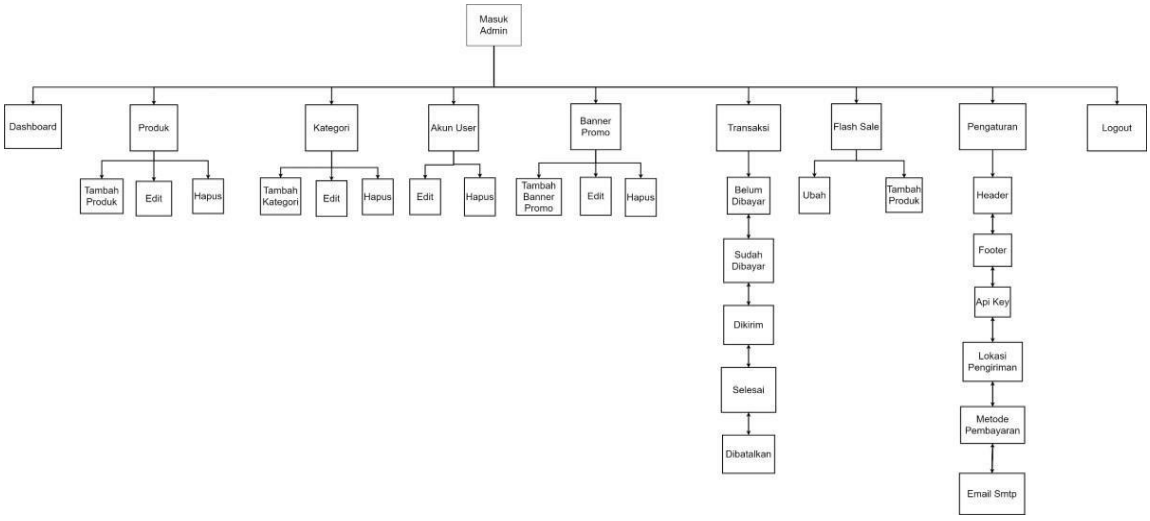


**Figure 2.** Navigation Structure Admin

**Navigation Structue User**

It is a non-linear navigation structure, meaning users are not required to follow a strict or sequential order to access the available features. Instead, users have the flexibility to move between pages as needed without adhering to a fixed hierarchical structure. This allows for more dynamic and efficient navigation, tailored to the user's preferences.

**BLESSING STORE ONLINE WEBSITE CREATION USING PHP AND MYSQL**

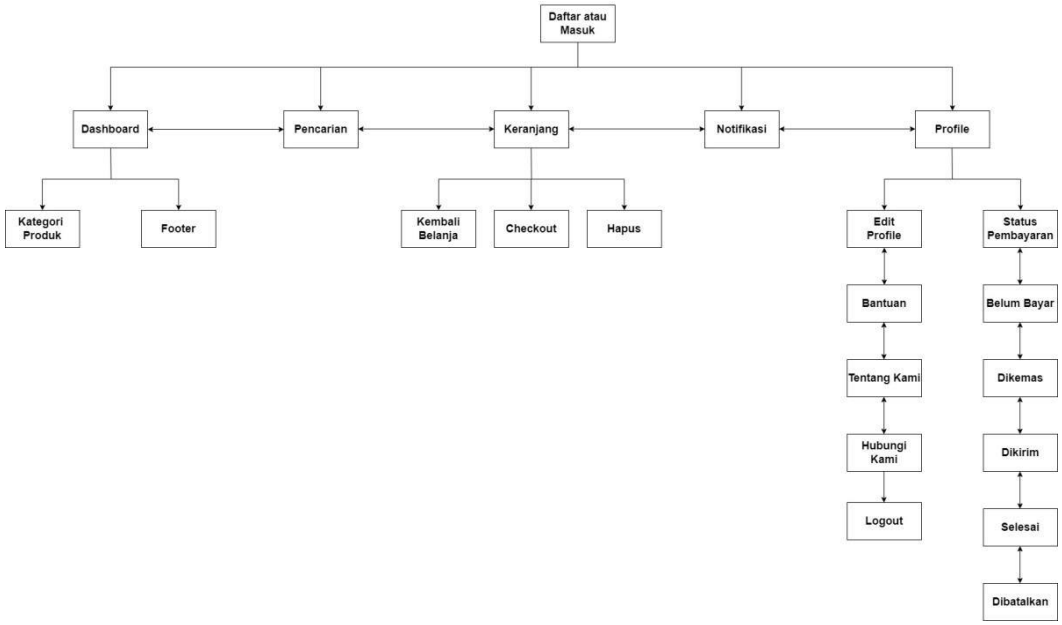


**Figure 3.** Navigation Structure User

## Use Case Diagram

In the UML design stage, the author used Draw.IO to illustrate the process flow are useful for describing user interactions with systems on a website. Designing a use case diagram on a website consists of 2 pages, namely user and admin.

## Use Case Diagram Admin

The admin use case diagram shows the admin as an actor who can view, add, delete, change products and product categories, changing and deleting user accounts, Add promo banners, view transaction data.

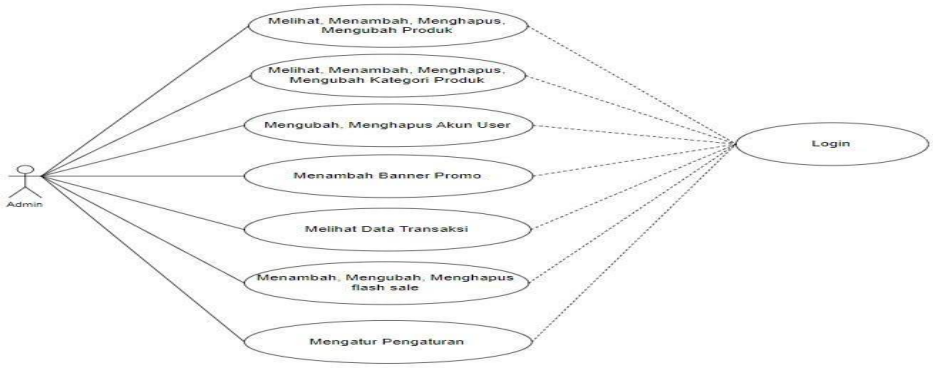


**Figure 4.** Use Case Diagram Admin

**Use Case Diagram User**

In the user use case diagram, the user is shown as an actor who can register, access the main page, search for products, select products, add to chart, checkout orders, view delivery status, and manage accounts.

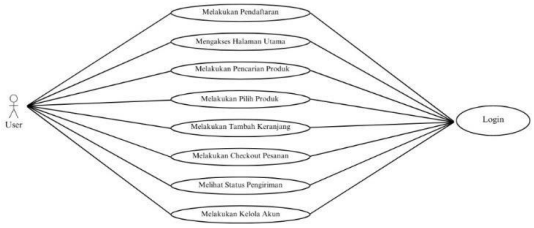


**Figure 5.**Use Case Diagram User

**Activity Diagram**

Activity diagrams describe various activity flows in the system being created, how each flow begins. This stage will describe the flow of activity between the user and the Blessing Store web.

**Activity Diagram Admin**

Admin must log in first to enter the admin page by entering email and password. After successfully entering the admin page, the admin can access the menus on the admin page such as the dashboard, the admin also uses CRUD (Create, Read, Update, Delete) to manage product data and product categories, change, delete user accounts, add promo banners, manage transactions, change, delete flashsales, adjust settings on the web, and the admin can log out if the sales process has been carried out properly.

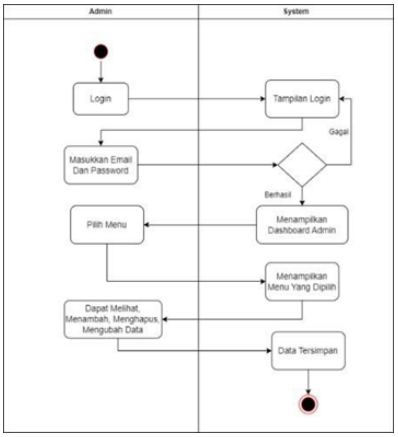


**Figure 6.** Activity Diagram Admin

**Activity Diagram User**

Activities carried out by the user after successfully accessing the web, after accessing the web page the user sees a dashboard display containing the product catalog, then the user logs in. Those who already have an account, if they don't have an account, the user must register and fill out the registration form first after registering the user logs in to be able to purchase the product, after that the user searches for the product they want to buy after that the product is put into the chart if the user wants to choose another product for checkout, after putting it in the basket the next step is for the user to checkout the product, after checking out the product the user makes payment with the amount stated on the purchase receipt, after making payment for the total stock The product will be reduced from the initial product stock amount, and finally the user will see the delivery status to find out what items have been ordered.

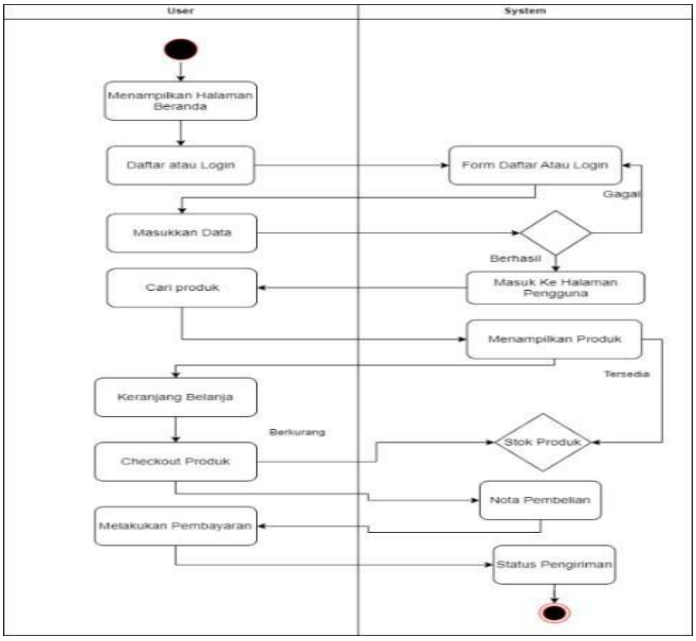


**Figure 7.** Activity Diagram User

**Relationships between classes in the system**

The relationship between the following tables is, the account cannot be connected by the user because there is no connecting ID. One user can have many carts (Users - Carts: 1), and one user can also make many transactions (Users - Transactions: 1). One transaction can cover multiple carts (Transactions

- Carts: 1). Multiple carts can contain multiple products, and a single product can be in multiple carts (Cart - Products: M). One product can have many product galleries (Products_galleries - Products: 1). Many products can be in one category, and one category can include many products (Product - Category: N:1). The following is an overview of the Class Diagram which can be seen in figure 8.

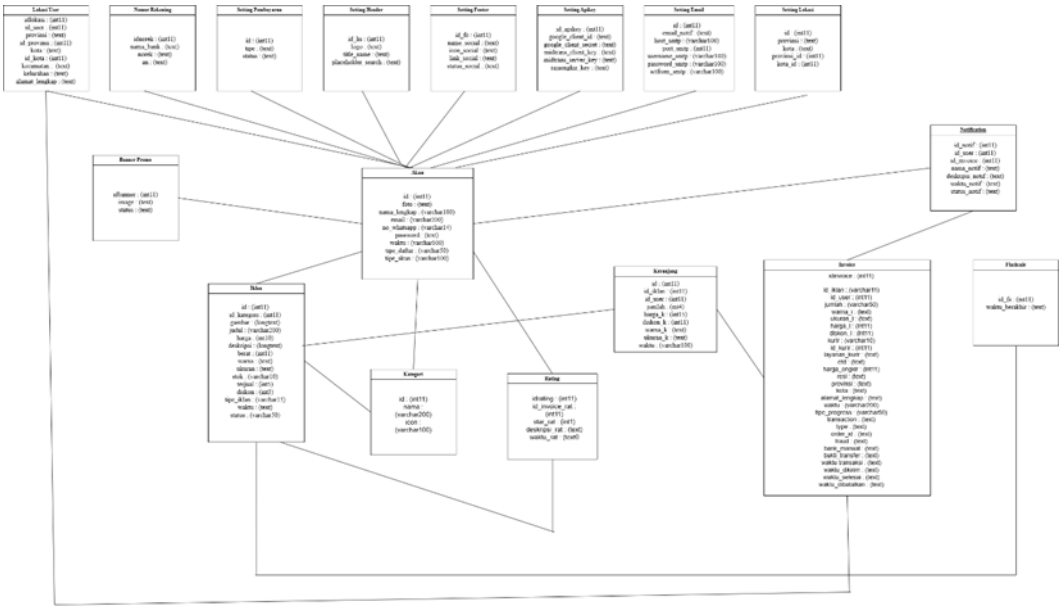

**Figure 8.** Relationship Between Class

## Database Design

Database design is a process for determining and organizing the data needed to support system design. This website was created using a MySQL database. In this research there are 17 (seventeen) tables in a database

## Account Table

This account table is used to store admin and user data, the fields contained in this table are id, photo, full_name, email, whatsapp_no, password, time, registration_type, account_type

| Number | Field | Type | Length |
|---|---|---|---|
| 1. | Id | Int | 11 |
| 2. | Foto | Text | |
| 3. | Name | Varchar | 50 |

| | | | |
|---|---|---|---|
| 4. | Email | Varchar | 50 |
| 5. | No_whatsapp | Varchar | 14 |
| 6. | Password | Text | |
| 7. | Time | Varchar | 50 |
| 8. | List_type | Varchar | 50 |
| 9. | Account_type | Varchar | 50 |

**Promo Banner Table**

This banner_promo table is used to store banner_promo data, the fields contained in this table are banner id, image, status.

| Number | Field | Type | Length |
|---|---|---|---|
| 1. | Id*banner* | Int | 11 |
| 2. | *Image* | Text | |
| 3. | Status | Text | |

**Flashsale Table**

The flashsale table is used to store flashsale data, the fields contained in this table are id_fs, and end_time..

| Number | Field | Type | Length |
|---|---|---|---|
| 1. | Id_fs | Int | 11 |
| 2. | Time_ends | Text | |

**Advertising Table**

The advertising table is used to store advertising data, the fields contained in this table are id, category_id, image, title, price, description, weight, color, size, stock, sold, discount, ad_type, time, status

| Number | Field | Type | Length |
|---|---|---|---|
| 1. | Id | Int | 11 |
| 2. | Category_id | Int | 11 |

| | | | |
|---|---|---|---|
| 3. | Photos | Longtext | |
| 4. | Judul | Varchar | 50 |
| 5. | Price | Int | 10 |
| 6. | Description | Longtext | |
| 7. | Weight | Int | 11 |
| 8. | Colour | Text | |
| 9. | Size | Text | |
| 10. | Stock | Varchar | 5 |
| 11. | Sold | Int | 5 |
| 12. | Discount | Int | 3 |
| 13. | Advertising_tipe | Varchar | 15 |
| 14. | Time | Text | |
| 15. | Status | Varchar | 50 |

**Invoice Table**

The invoice table is used to store invoice data, the fields contained in this table are idinvoice, id_advertisement, id_user, quantity, color_id, size_id, price_id, discount_id, courier, id_courier, service_courier, etd, price_postage, receipt, province, city, complete_address, time, type_progress, transaction, type, order_id, fraud, bank_manual, proof_transfer, transaction_time, sent_time, completed_time, canceled_time.

| No | Field | Type | Length |
|---|---|---|---|
| 1. | Idinvoice | Int | 11 |
| 2. | Id_iklan | Varchar | 11 |
| 3. | Id_user | Int | 11 |
| 4. | Total | Varchar | 50 |
| 5. | Color_id | Text | |
| 6. | Size_id | Text | |
| 7. | Price_id | Int | 11 |
| 8. | Discount_id | Int | 11 |
| 9. | Courier | Varchar | 10 |

| | | | |
|---|---|---|---|
| 10. | Courier_id | Int | 11 |
| 11. | Courier_service | Text | |
| 12. | Etd | Text | |
| 13. | Harga_ongkir | Int | 11 |
| 14. | Resi | Text | |
| 15. | Province | Text | |
| 16. | City | Text | |
| 17. | Address | Text | |
| 18. | Time | Varchar | 50 |
| 19. | Progress_Type | Varchar | 50 |
| 20. | Transaction | Text | |
| 21. | Type | Text | |
| 22. | Order_id | Text | |
| 23. | Fraud | Text | |
| 24. | Bank_manual | Text | |
| 25. | Transfer_proof | Text | |

**Category Table**

The category table is used to store category data, the fields contained in this table are ID, name, icon..

| No | Field | Type | Length |
|---|---|---|---|
| 1. | Id | Int | 11 |
| 2. | Name | Varchar | 50 |
| 3. | Icon | Varchar | 50 |

**Cart Table**

The cart table is used to store cart data, the fields contained in this table are id, advertisement_id, user_id, quantity, price_k, discount_k, color_k, size_k, time.

| Number | Field | Type | Length |
|---|---|---|---|
| 1. | Id | Int | 11 |

| | | | |
|---|---|---|---|
| 2. | Id_iklan | Int | 11 |
| 3. | Id_user | Int | 11 |
| 4. | Quantity | Int | 4 |
| 5. | Price_k | Int | 15 |
| 6. | Discount_k | Int | 11 |
| 7. | Color_k | Text | |
| 8. | Size_k | Text | |
| 9. | Time | Varchar | 50 |

**User Location Table**

The user_location table is used to store user_location data, the fields contained in this table are location id, user_id, province, province_id, city, city_id, sub-district, sub-district, complete_address.

| Number | Field | Type | Length |
|---|---|---|---|
| 1. | Location_id | Int | 11 |
| 2. | User_id | Int | 11 |
| 3. | Province | Text | |
| 4. | Province_id | Int | 11 |
| 5. | City | Text | |
| 6. | City_id | Int | 11 |
| 7. | District | Text | |
| 8. | Sub-district | Text | |
| 9. | Complete_address | Text | |

**Account Number Table**

The account_number table is used to store data on idnorek, bank_name, norek, an.

| Number | Field | Type | Length |
|---|---|---|---|
| 1. | Idnorek | Int | 11 |

| | | | |
|---|---|---|---|
| 2. | Bank_name | Text | |
| 3. | Norek | Text | |
| 4. | An | Text | |

**Notification Table**

The notification table is used to store data on notification_id, user_id, invoice_id, notification_name, notification_description, notification_time, notification_status.

| Number | Field | Type | Length |
|---|---|---|---|
| 1. | Notification_id | Int | 11 |
| 2. | User_id | Int | 11 |
| 3. | Invoice_id | Int | 11 |
| 4. | Notification_name | Text | |
| 5. | Notification_description | Text | |
| 6. | Notification_time | Text | |
| 7. | Notification_status | Text | |

**Rating Table**

The rating table is used to store idrating data, id_invoice_rat, star_rat, description_rat, time_rat.

| Number | Field | Type | Length |
|---|---|---|---|
| 1. | Idrating | Int | 11 |
| 2. | Id_invoice_rat | Int | 11 |
| 3. | Star_rat | Int | 1 |
| 4. | Description_rat | Text | |
| 5. | Time_rat | Text | |

**Setting_ApiKey Table**

The setting_apikey table is used to store data id_apikey, google_client_id, google_client_id, google_client_secret, midtrans_client_key, midtrans_server_key, rajaongkir_key.

| Number | Field | Type | Length |
|---|---|---|---|
| 1. | Id_apikey | Int | 11 |
| 2. | Google_client_id | Text | |
| 3. | Google_client_ secret | Text | |
| 4. | Midtrans_client_key | Text | |
| 5. | Midtrans_server_key | Text | |
| 6. | Rajaongkir_key | Text | |

**Setting_Email Table**

The setting_email table is used to store ID, email_notif, host_smtp, port_smtp, username_smtp, password_smtp, setform_smtp data.

| No | Field | Type | Length |
|---|---|---|---|
| 1. | Id | Int | 11 |
| 2. | Email_notif | Text | |
| 3. | Host_smtp | Varchar | 50 |
| 4. | Port_smtp | Int | 11 |
| 5. | Username_smtp | Varchar | 50 |
| 6. | Password_smtp | Varchar | 50 |

**Website Interface Design**

At the design stage, the appearance of the Blessing Store website page is divided into 2 parts, namely the user page and the admin page. The user page consists of 6 pages, namely homepage, basket, checkout, shopping history, user account list, and user login. Meanwhile, the admin page consists of admin login, admin dashboard, admin products, admin categories, admin user account, admin promo banner, admin transactions, admin flashsale, admin settings..

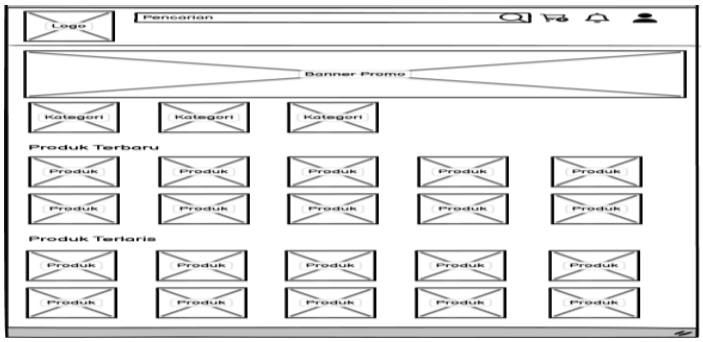


**Figure 9.** Home Page Design


**Figure 10.** Website Page Cart Desain

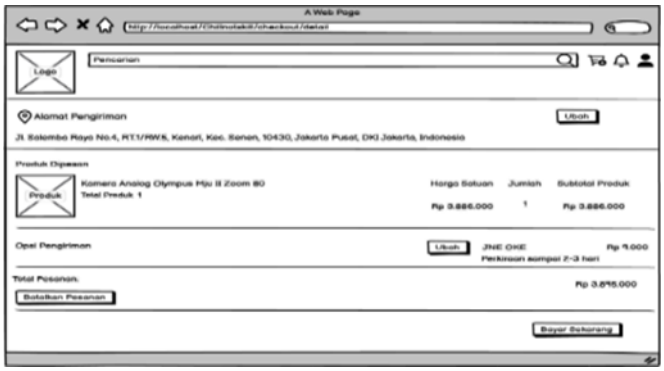


**Figure 11.** Website Page Checkout Desain


**Figure 12.** Website Page Shopping History Desain

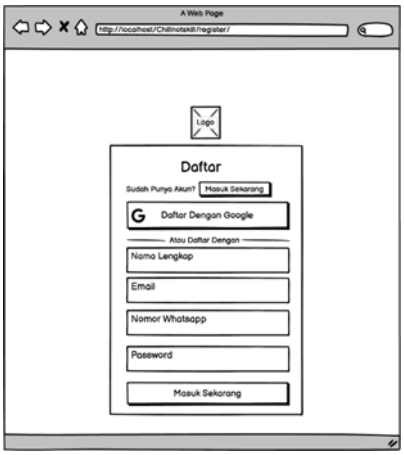


**Figure 13.** Website Page Register Account Desain

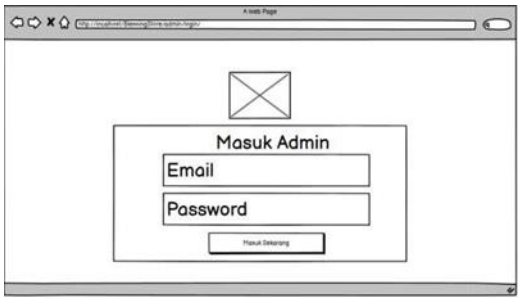


**Figure 14.** Website Page Login Admin Desain

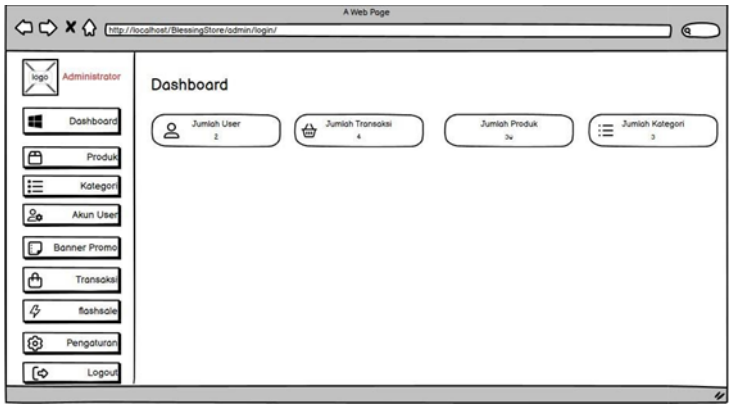


**Figure 15.** Website Page Dashboard Admin Desain

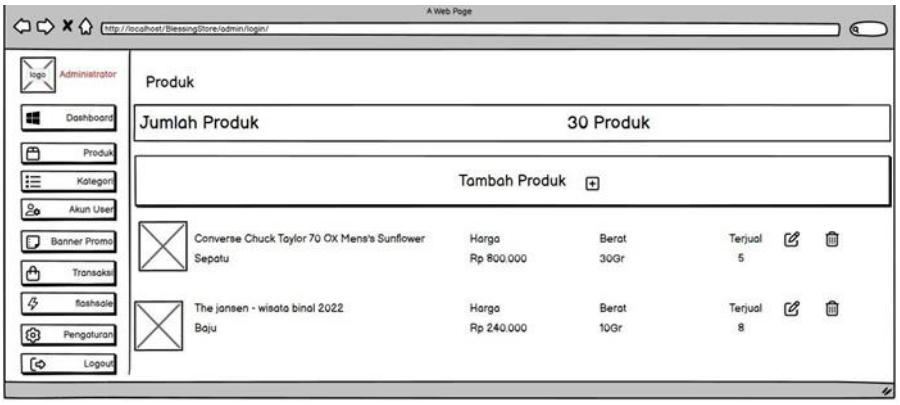


**Figure 16.** Website Page Product Admin Desain

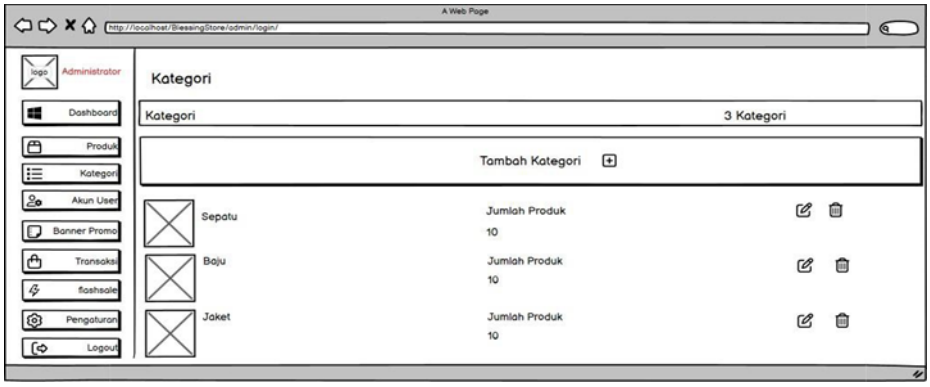


**Figure 17.** Website Page Product Category Admin Desain

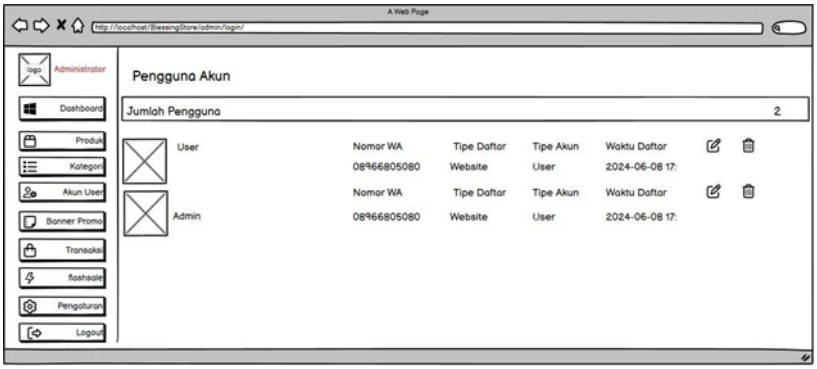


**Figure 18.** Website Page User Account Desain

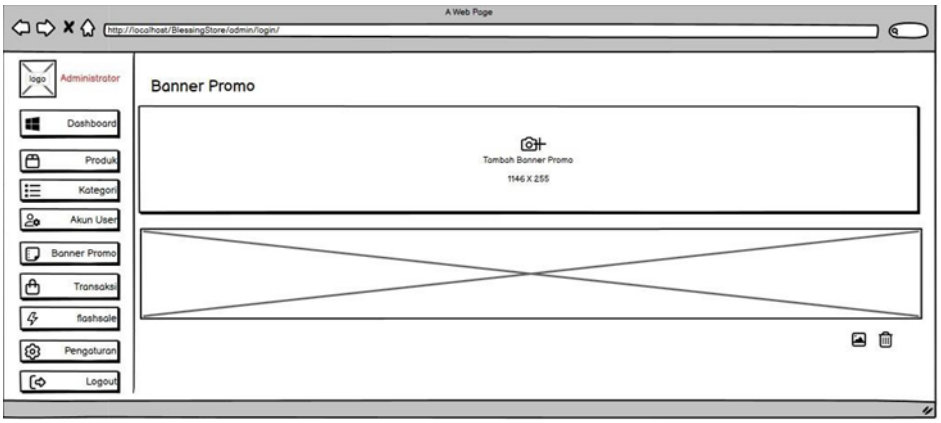


**Figure 19.** Website Page Promo Banner Desain

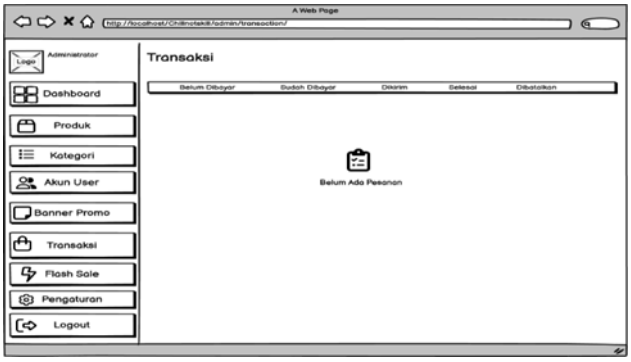


**Figure 20.** Website Page Admin Transaction Desain

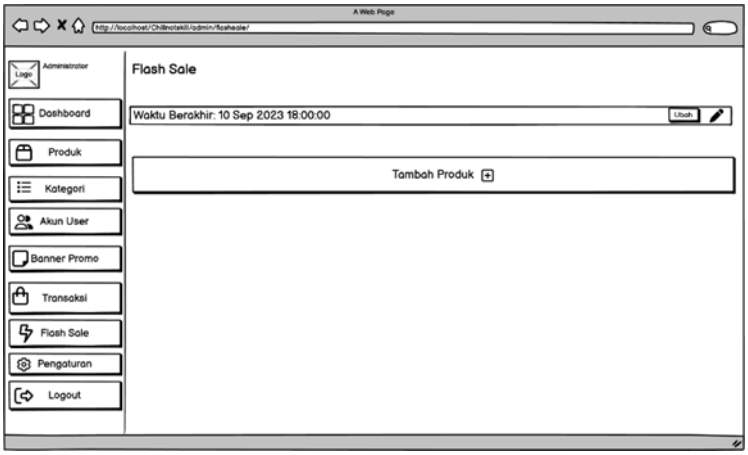


**Figure 21.** Website Page Flashsale Admin Desain


**Figure 22.** Website Page Seting Admin Desain Final Website Display Results

**Home Page**

The home page is the initial appearance of the website that displays product information. On the home page there are several product categories sold by the "Blessing Store" shop. Apart from that, there are also navigation menus such as home, search, register and enter.

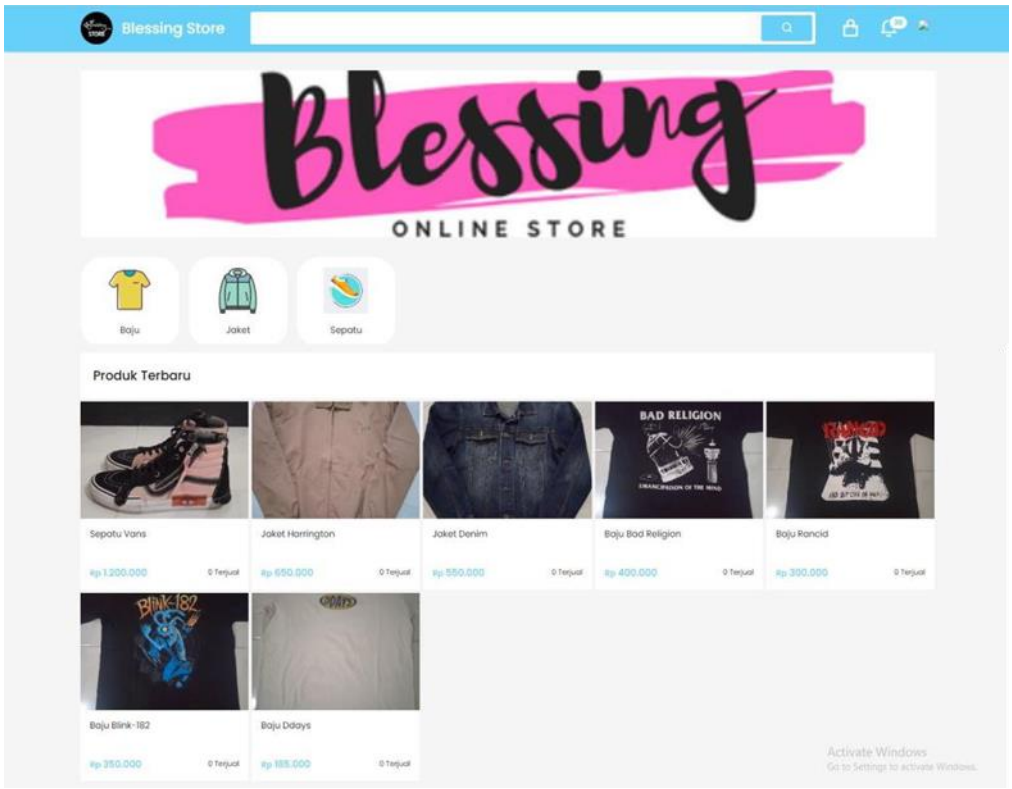

**Figure 23.** Home Page

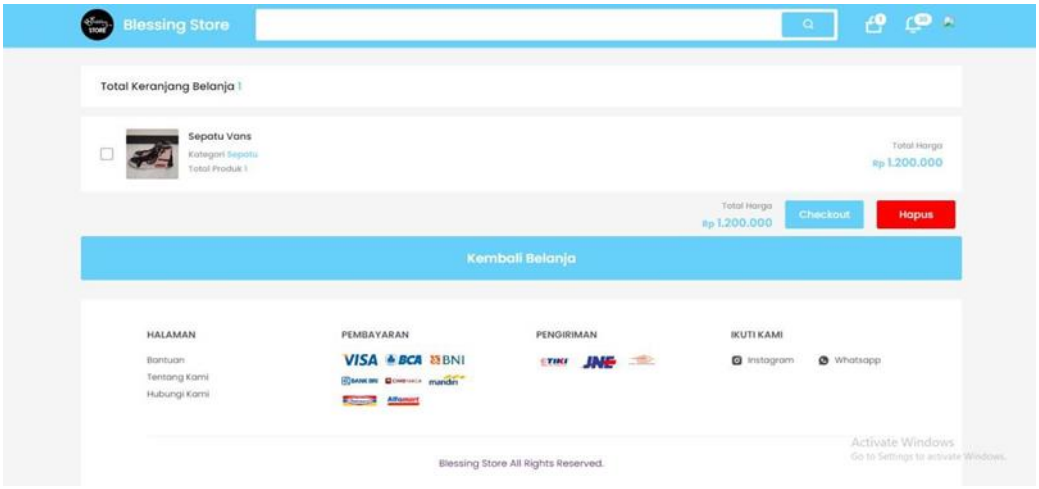


**Figure 24.** Cart Page

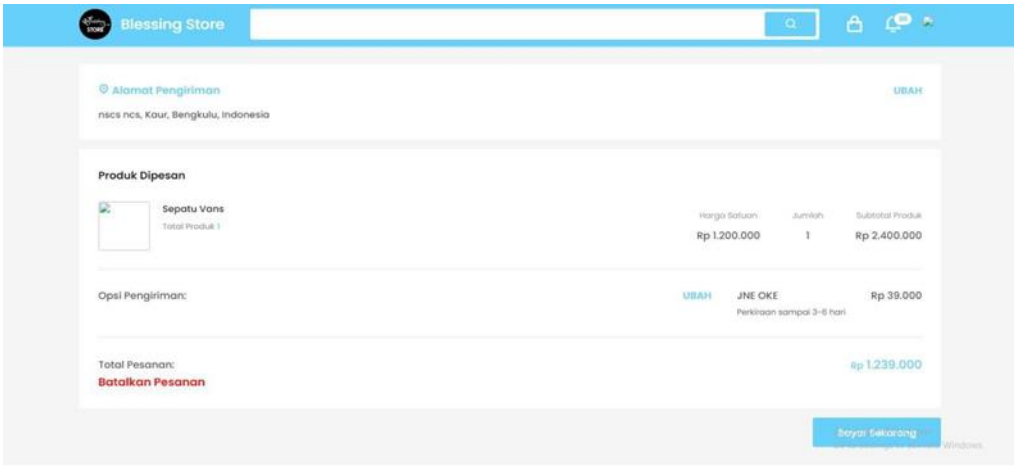


**Figure 25.** Checkout Page

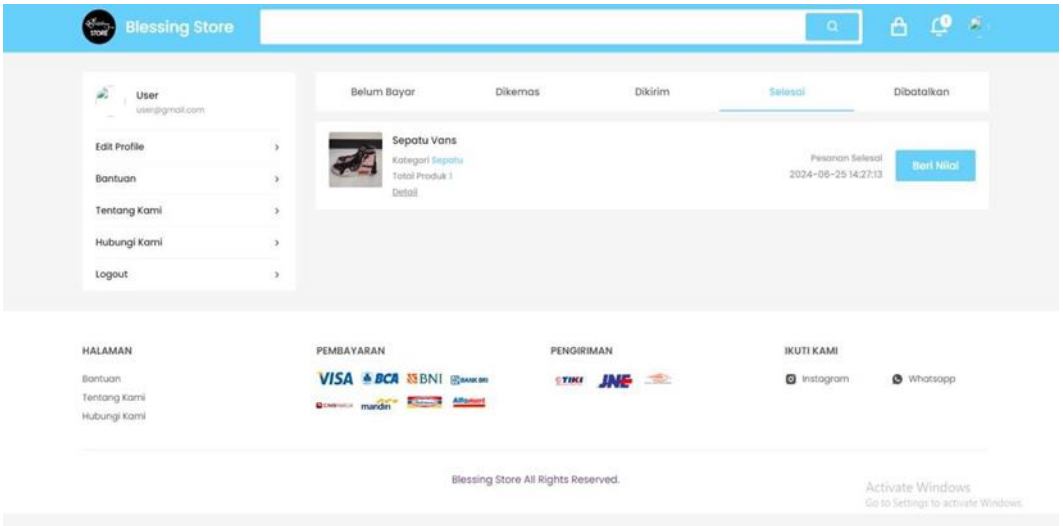

**Figure 26.** Transaction History Page

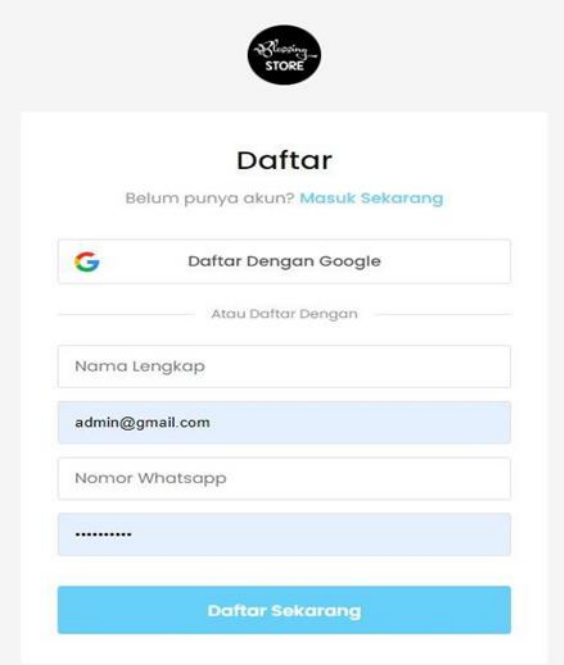


**Figure 27.** Register Account Page


**Figure 28.** Login Admin Page

## CONCLUSION

Creating a sales website for the Blessing Store based on a website using PHP and MySQL has been successfully developed. Based on the results of testing the Blessing Store website using the Blackbox Testing method, it was found that all menu functions available on this e-commerce website as product sales from the Blessing Store store had run as expected and there were no problems. Testing the device with a laptop and

smartphone via 3 browsers, namely Google Chrome, Microsoft Edge, and Mozilla Firefox, found that all menu functions available on the Blessing Store website were working according to their function and there were no problems on the website. The Blessing Store website was created using the PHP, MySQL, JavaScript, HTML and CSS programming languages. The Blessing Store website is expected to make it easier for consumers to get information about products, locations, how to order, delivery, payment and buy products from the Blessing Store. The Blessing Store website can be accessed via the URL address http://blessing store.my.id/.

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