



**CCIT FTUI**  
**FAKULTAS TEKNIK**

## **MyLaundry with Database SQL**

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### **Class:**

**4ISA3**

**CEP CCIT**

**FAKULTAS TEKNIK UNIVERSITAS INDONESIA**

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## **MyLaundry with Databsae SQL**

### **Developed by**

Batch Code : 4ISA3

Start Date : April 06, 2023

End Date : April 15, 2023

Name of Faculty : Mhd. Idham Khalif

Names of Developer :

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# **NIIT**

# CERTIFICATE

This is to certify that this report titled “MyLaundry with Database SQL” embodies the original work done by David Julian Ernestine, Fajar Arifianto Mustika. Project in partial fulfillment of their course requirement at NIIT.

Coordinator:

Mhd. Idham Khalif

The logo for NIIT (National Institute of Information Technology) is displayed in a large, bold, blue serif font. The letters are thick and blocky, with a classic academic or institutional feel.

# ACKNOWLEDGEMENT

We would like to express our special thanks of gratitude to our faculty, Mr. Mhd. Idham Khalif our faculty who gave us golden opportunity to do this wonderful project on the topic “MyLaundry with Database SQL” which also helped us in doing a lot of research and we came to know about so many things

The success and final outcome of this project required a lot of guidance and assistance from many people and we were extremely privileged to have got this all along the completion of our project. All that we have done is only due such supervision and assistance and we would not forget to thank to them.

We were thankful and fortunate enough to get constant encouragement, support and guidance from all teaching staff of ccit which helped us in successfully completing our project work.

April 10, 2023

Author

# System Analysis

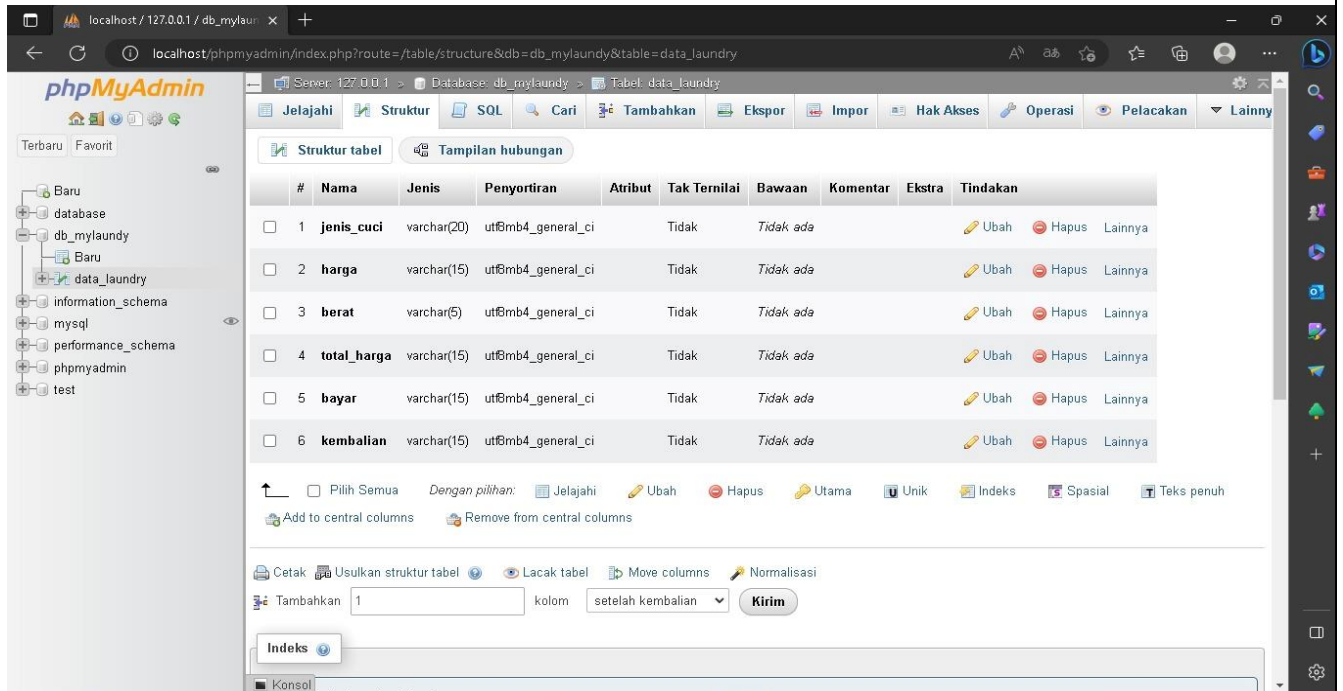
## **System Summary :**

Object-oriented programming (OOP) is an object-oriented programming method. The main goal of OOP is to overcome the drawbacks of conventional programming approaches. In object-oriented programming, there are four principles that form the basis for its use, namely Encapsulation, Abstraction, Inheritance, and Polymorphism.

For this project, we are trying to create a payment program for a laundry shop. The goal is to make it easier to make payments and record sales data in the database. We use the Java programming language with the Netbeans application and also use MySQL as the database.

This program can create, delete, and update data. We use phpmyadmin to handle database administration and because it is easy to use and the interface is very easy to use. This application will start with admin login, and followed by several options, such as viewing sales data, choose the services and determine the price of laundry.

# TABLE DESIGN



The screenshot shows the phpMyAdmin interface for a database named 'db\_mylaundry'. The table 'data\_laundry' is selected, and its structure is displayed. The table has 6 columns, all of type 'varchar'. The columns are: 'jenis\_cuci' (varchar(20)), 'harga' (varchar(15)), 'berat' (varchar(5)), 'total\_harga' (varchar(15)), 'bayar' (varchar(15)), and 'kembalian' (varchar(15)). All columns are marked as 'Tidak' (Not) for 'Tak Terilai' (Not Indexed). The 'Bawaan' (Default) column is 'Tidak ada' (None). The 'Tindakan' (Actions) column shows 'Ubah' (Edit), 'Hapus' (Delete), and 'Lainnya' (More) options for each row.

#	Nama	Jenis	Penyortiran	Atribut	Tak Terilai	Bawaan	Komentar	Ekstra	Tindakan
1	jenis_cuci	varchar(20)	utf8mb4_general_ci		Tidak	Tidak ada			Ubah Hapus Lainnya
2	harga	varchar(15)	utf8mb4_general_ci		Tidak	Tidak ada			Ubah Hapus Lainnya
3	berat	varchar(5)	utf8mb4_general_ci		Tidak	Tidak ada			Ubah Hapus Lainnya
4	total_harga	varchar(15)	utf8mb4_general_ci		Tidak	Tidak ada			Ubah Hapus Lainnya
5	bayar	varchar(15)	utf8mb4_general_ci		Tidak	Tidak ada			Ubah Hapus Lainnya
6	kembalian	varchar(15)	utf8mb4_general_ci		Tidak	Tidak ada			Ubah Hapus Lainnya

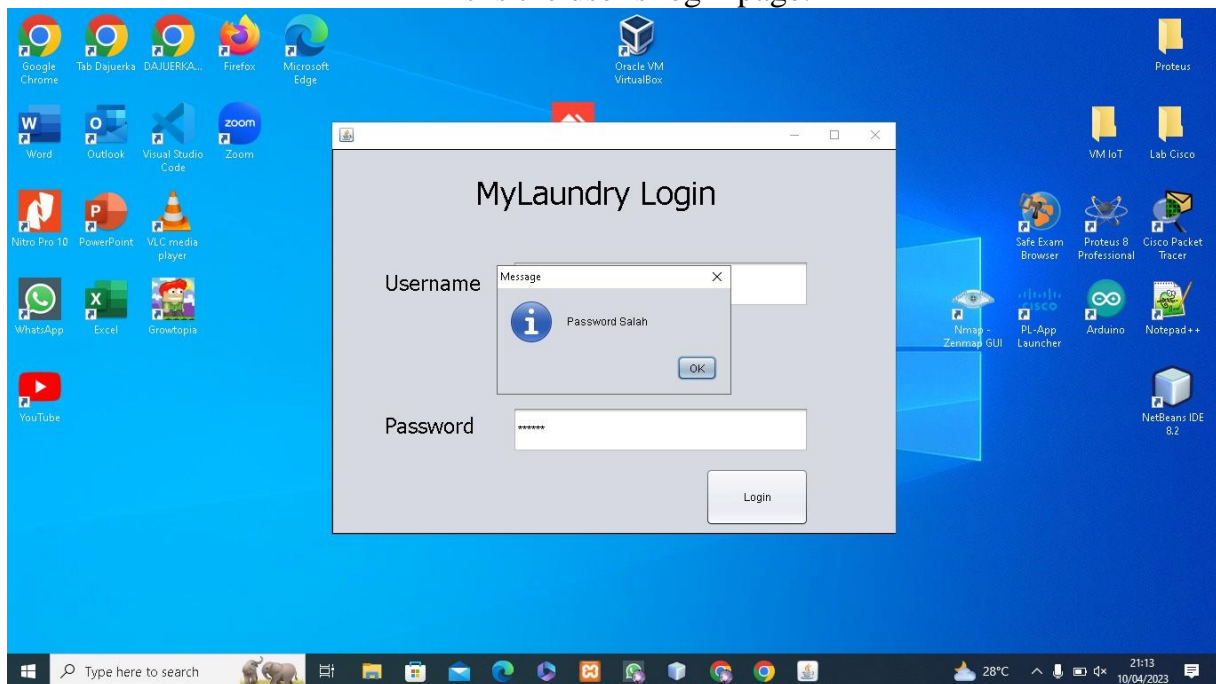
This is a database design table with 6 field names with Varchar data type:

1. Types of Washing
2. Price
3. Heavy
4. Total Price
5. Pay
6. Return

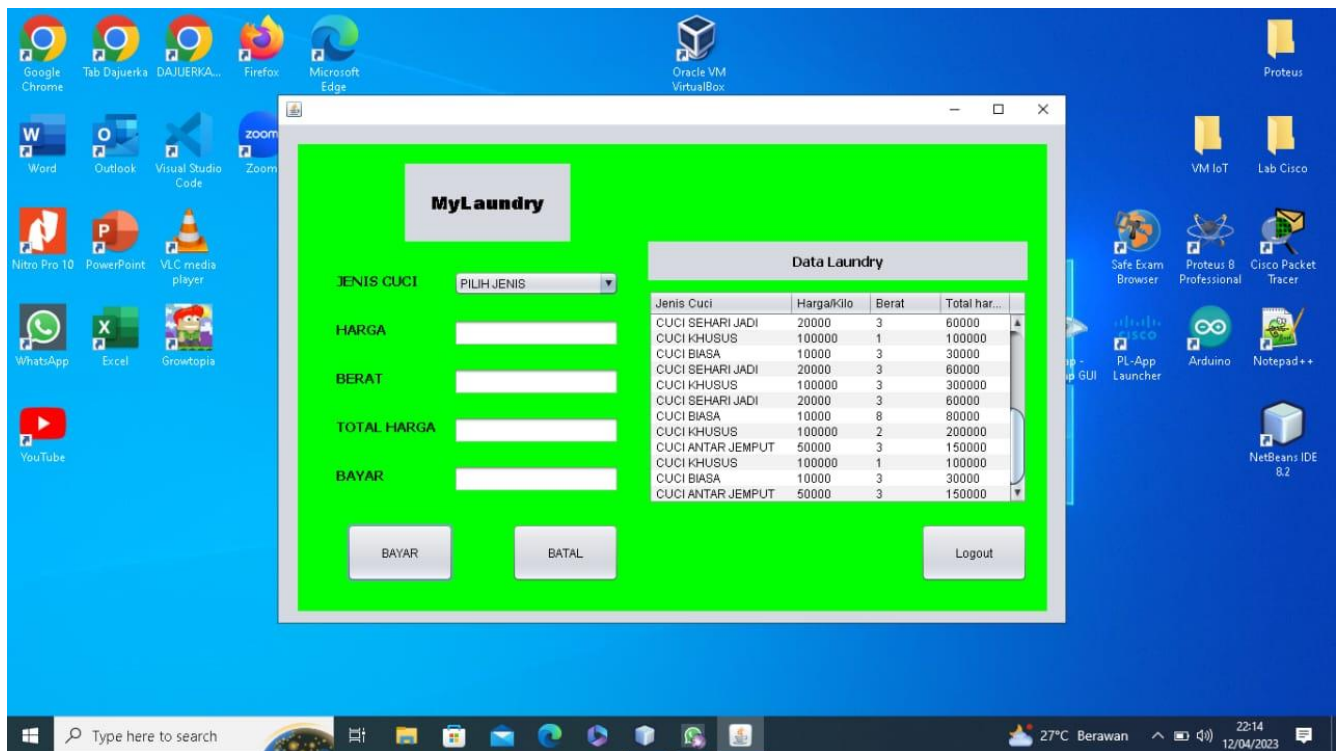
# INTERFACE



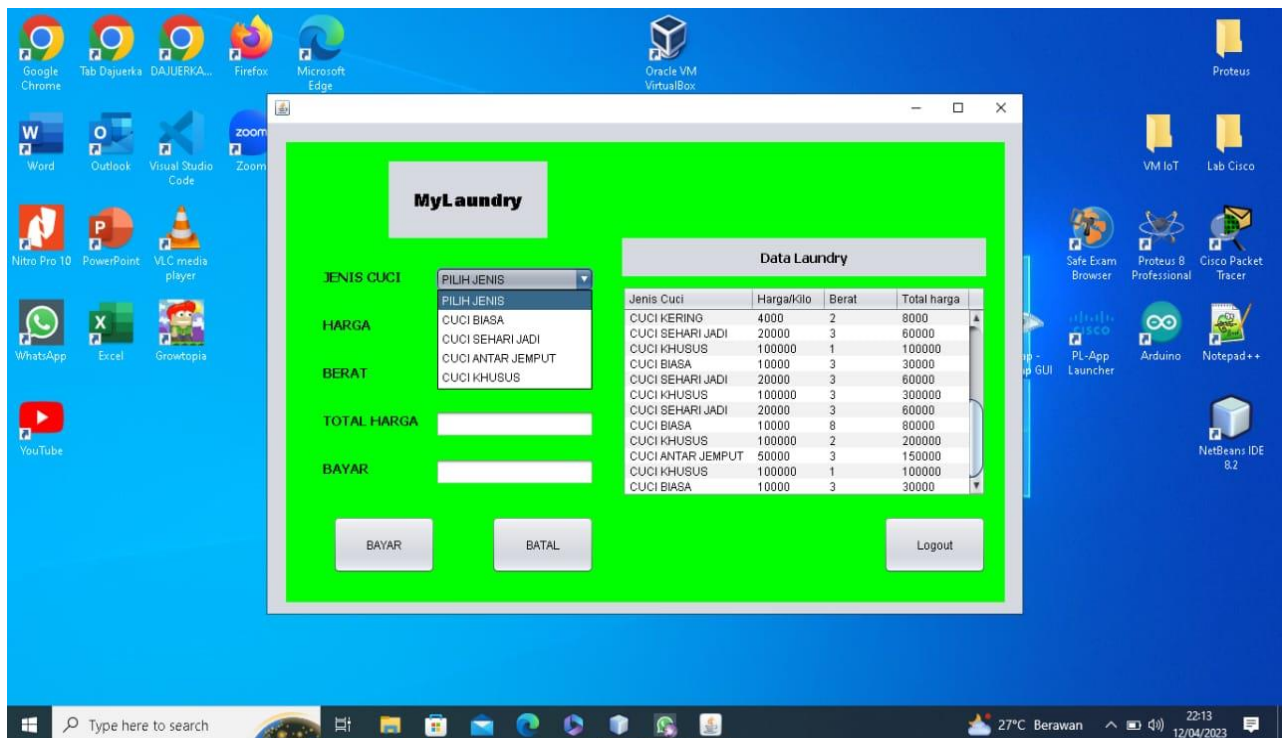
This is the user's login page.



User must enter the appropriate username and password. If wrong then there will be a message box "Password Wrong" if true it will enter the menu display and the application will contact the server and database connection on MySQL and Apache.

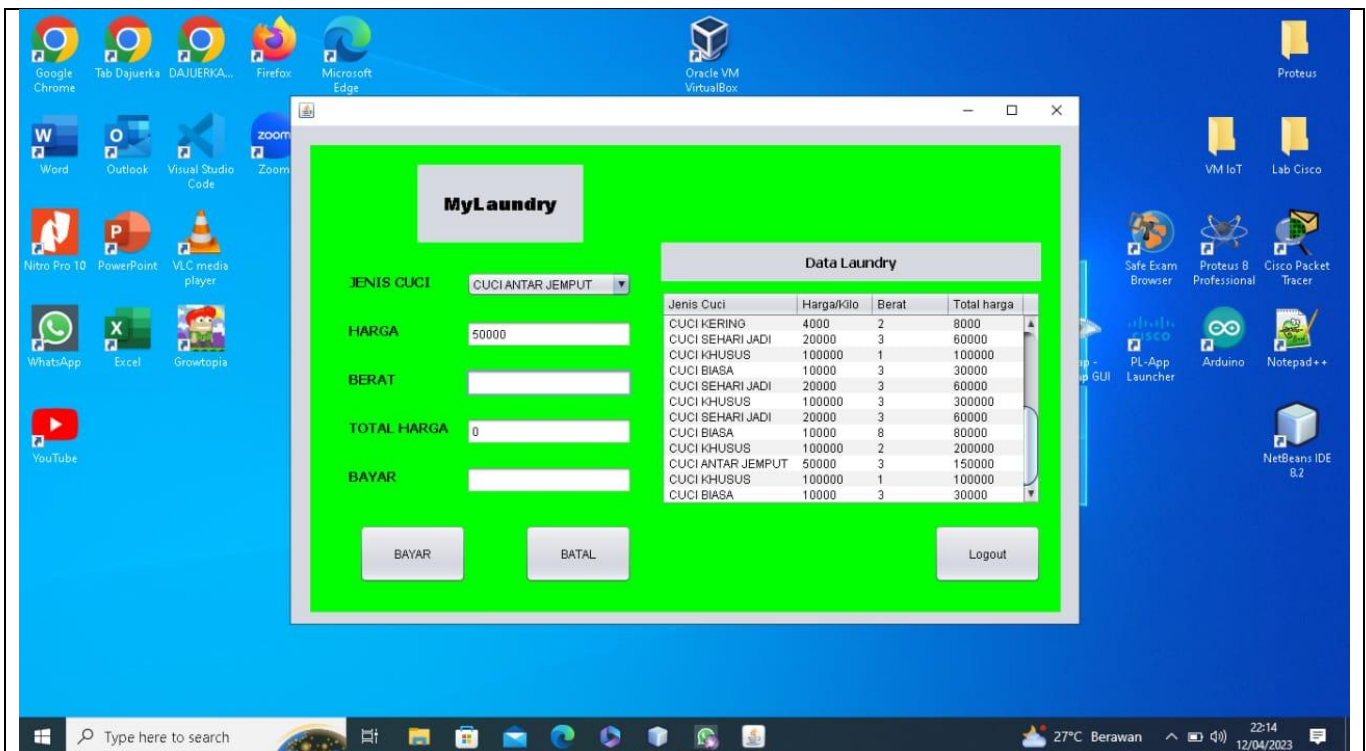


This is the initial display of the menu. There are brand labels "MyLaundry", Wash type options, Price Boxes, Weight Input Boxes, Total price boxes, Pay Boxes, Pay and Reset Buttons, Logout Buttons and Laundry Data Tables.

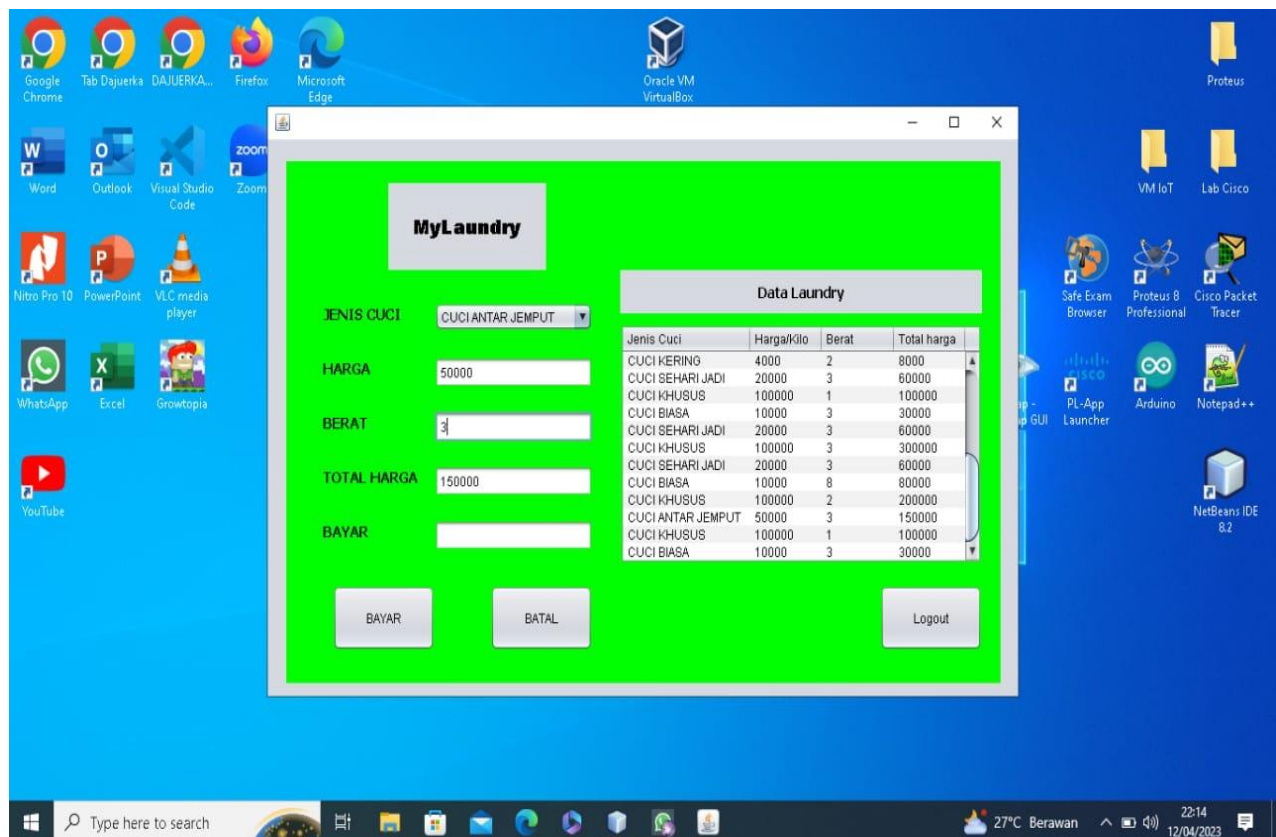


First, the user can select "WASH TYPE". Users can choose 4 types of laundry services in the form of regular washing, day-made washing, shuttle washing and special washing.

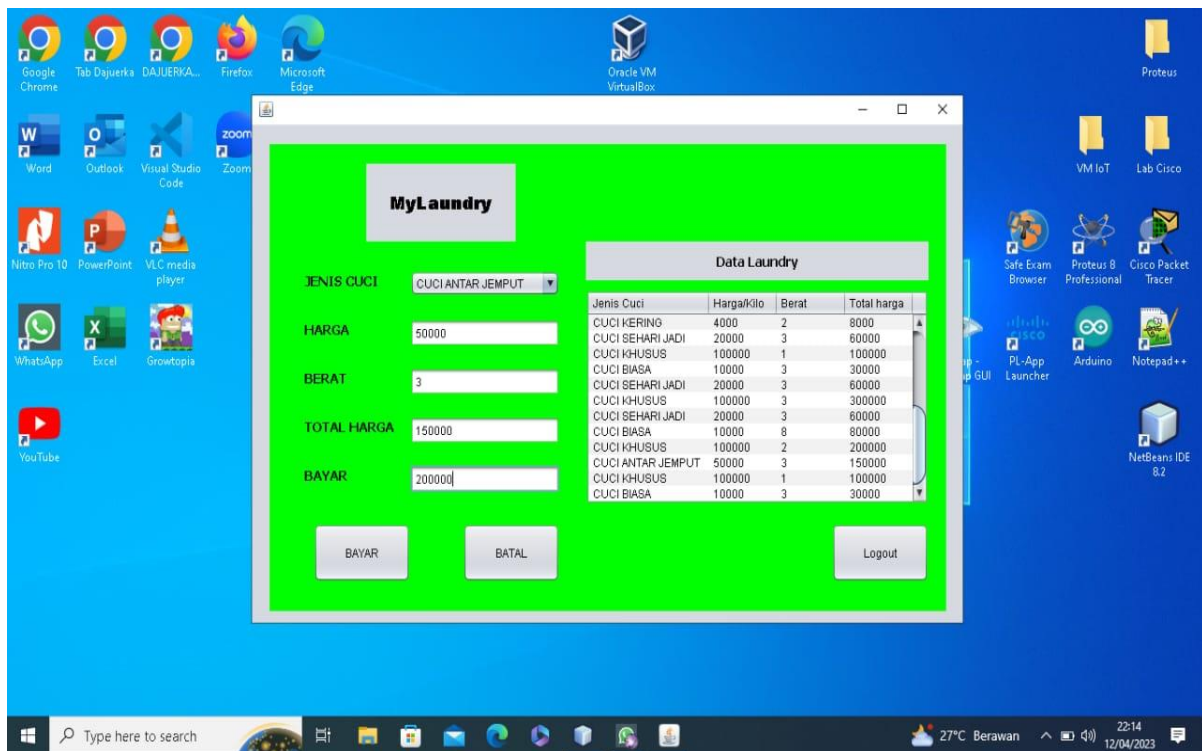




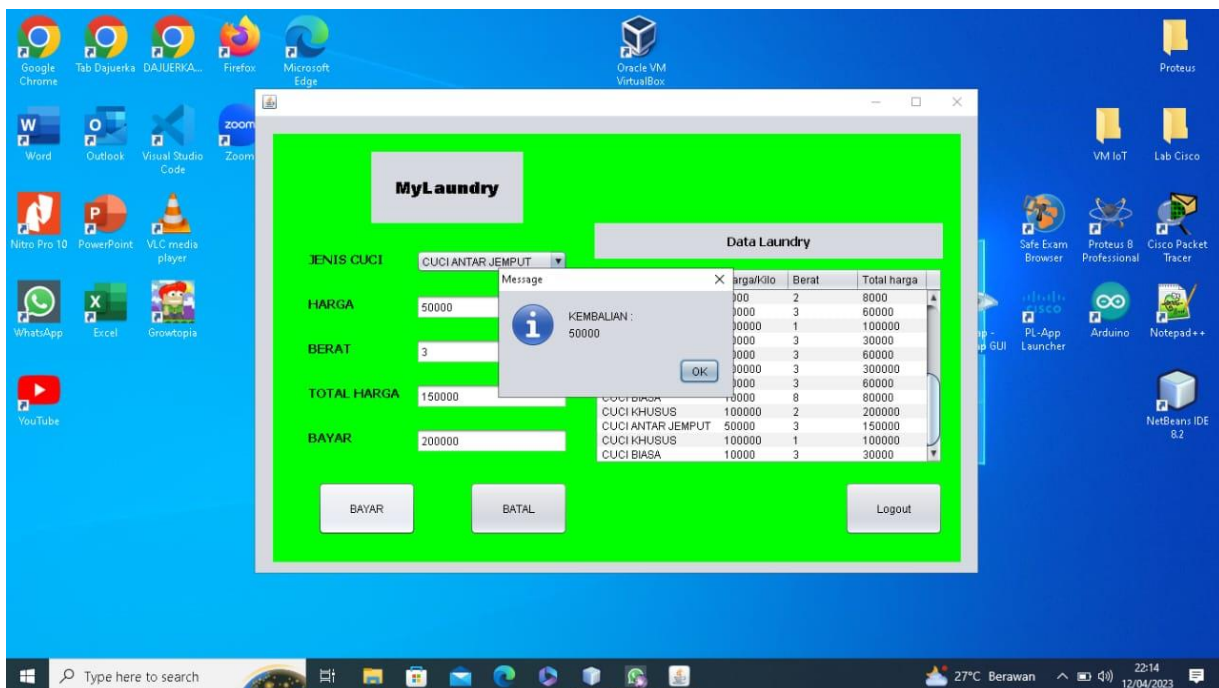
If the user has selected the type of washing option, the application will automatically display the price of the type of washing by the kilo



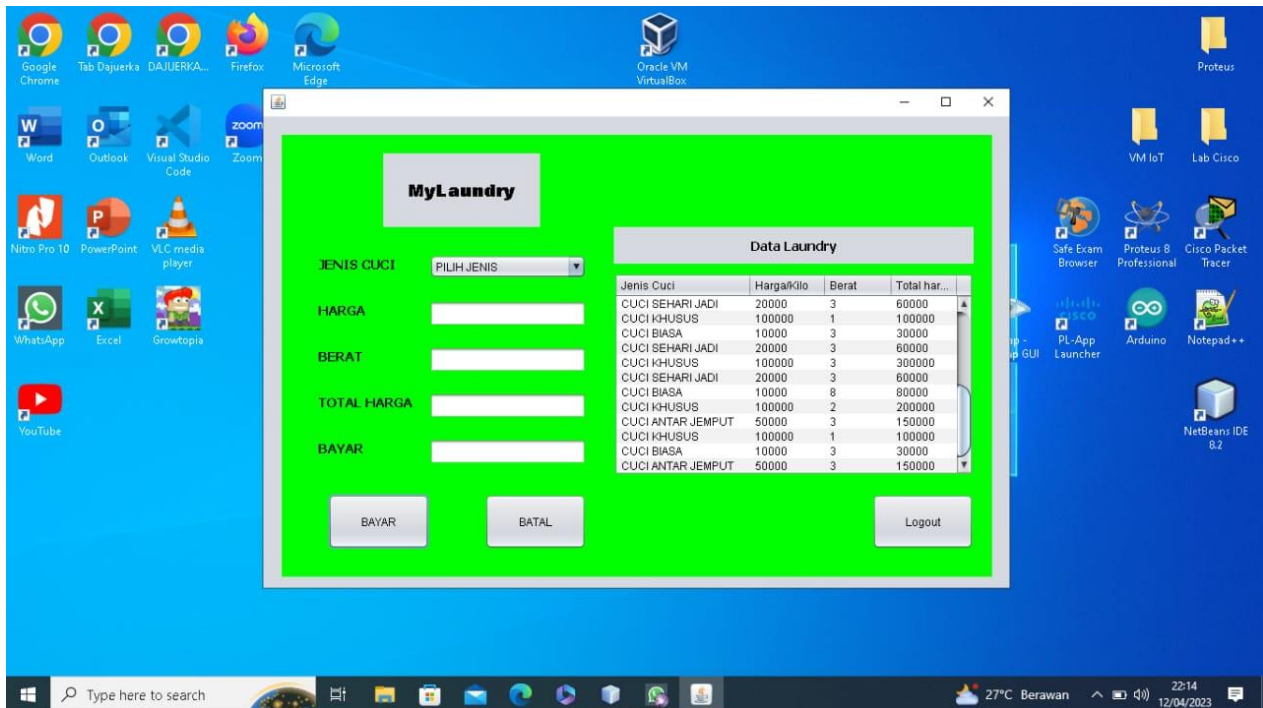
After that, the user can fill the weight of the laundry as calculated. Then the application will automatically calculate the total price to be paid. Where the total price has the formula of laundry weight multiplied by the type of wash.



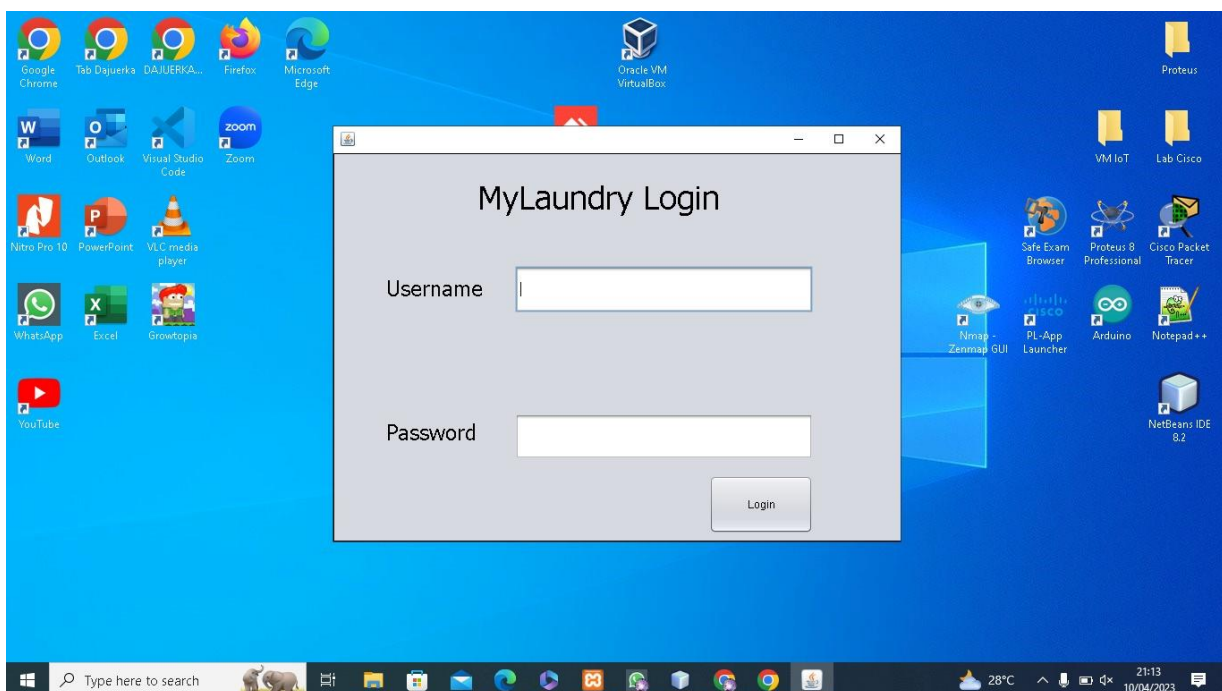
Furthermore, users can enter payment data so that it can be calculated by the application.



After entering the required data, the user can select the "BAYAR" button, then the application will automatically calculate the amount of change where the return formula is pay minus the total price. The application will display change in the form of a message box. Users can also select the "BATAL" button then all data in the box will be lost and start over.



After that, you can click the "OK" button on the message box, the data in the box will disappear automatically and laundry transaction data will appear in the laundry data table at the bottom and the latest.



When finished, you can select the "Logout" button then the application will return to the Login page. If you want to log in again, the user must fill in the username and password again.

The screenshot shows the phpMyAdmin web interface in a browser. The left sidebar displays the database structure with 'db\_mylaundry' selected. The main area shows a table named 'data\_laundry' with the following columns: jenis\_cuci, harga, berat, total\_harga, bayar, and kembalian. The table contains 12 rows of transaction data. Below the table, there are controls for displaying all rows, setting the number of rows per page (50), and a search bar. At the bottom, there are options for 'Operasi hasil kueri' (Print, Copy to clipboard, Export, Show diagram, Generate view) and 'Markah kueri SQL ini' (Console).

jenis_cuci	harga	berat	total_harga	bayar	kembalian
CUCI SEHARI JADI	20000	3	60000	100000	40000
CUCI KHUSUS	100000	1	100000	2000000	1900000
CUCI BIASA	10000	3	30000	50000	20000
CUCI SEHARI JADI	20000	3	60000	100000	40000
CUCI KHUSUS	100000	3	300000	500000	200000
CUCI SEHARI JADI	20000	3	60000	100000	40000
CUCI BIASA	10000	8	80000	90000	10000
CUCI KHUSUS	100000	2	200000	200000	0
CUCI ANTAR JEMPUT	50000	3	150000	200000	50000
CUCI KHUSUS	100000	1	100000	100000	0
CUCI BIASA	10000	3	30000	40000	10000
CUCI ANTAR JEMPUT	50000	3	150000	200000	50000

After the application has been used, the transaction data will enter the MySQL database and be displayed at the bottom of the database table. This is a database view of the MyLaundry project.

## CONFIGURATION

### Hardware:

- Lenovo Ideapad 320
- Asus Vivobook 14

### Operating System:

- Windows 10 Pro

### Software:

- Microsoft Word 2021
- NetBeans IDE 8.2
- XAMPP Control Panel

### PROJECT FILE DETAILS

S. No	File Name	Remarks
1	Project1_Mylaundry_Group5_4isa3.docx	Microsoft Word that contains Report
2	Project1_Mylaundry_Group5_4isa3.pptx	Microsoft Power Point that contains Presentation
3	Projek1JavaMyLaundry	NetBeans project that contains code and designs

