

**LAPORAN  
CASHIER APP**



**Oleh:**

Aditya Satya Laksana	211011450566
Anggi Irawan	211011450076
Oki Prasetio	211011450485
Shafly Fawwaz Fadhlullah	211011450063
Wahyu Hidayat	211011450443

**TEKNIK INFORMATIKA  
FAKULTAS ILMU KOMPUTER  
UNIVERSITAS PAMULANG**

Jl. Surya Kencana No.1, Pamulang. Telp. (021) 7412566. Fax. (021) 7412566  
Kota Tangerang Selatan, Banten, 15417

## DAFTAR ISI

1.	Penjelasan.....	4
2.	Entity Relational Diagram .....	5
3.	Swagger.....	6
4.	Login.....	8
5.	Admin.....	9
5.1	SideBar .....	9
5.2	Dashboard.....	9
6.	Product Management.....	9
6.1	Main Page .....	9
6.2	Add Product .....	10
6.3	Edit Product .....	10
7.	Category Management .....	11
7.1	Main Page .....	11
7.2	Add Category .....	11
7.3	Edit Category.....	11
8.	User Management .....	12
8.1	Main Page .....	12
8.2	Add User .....	12
8.3	Edit User.....	13
9.	Report .....	13
10.	PDF Result .....	13
11.	Cashier .....	14
11.1	SideBar .....	14
11.2	Dashboard.....	14
11.3	Cashier App.....	14
12.	Source Code .....	14

## DAFTAR GAMBAR

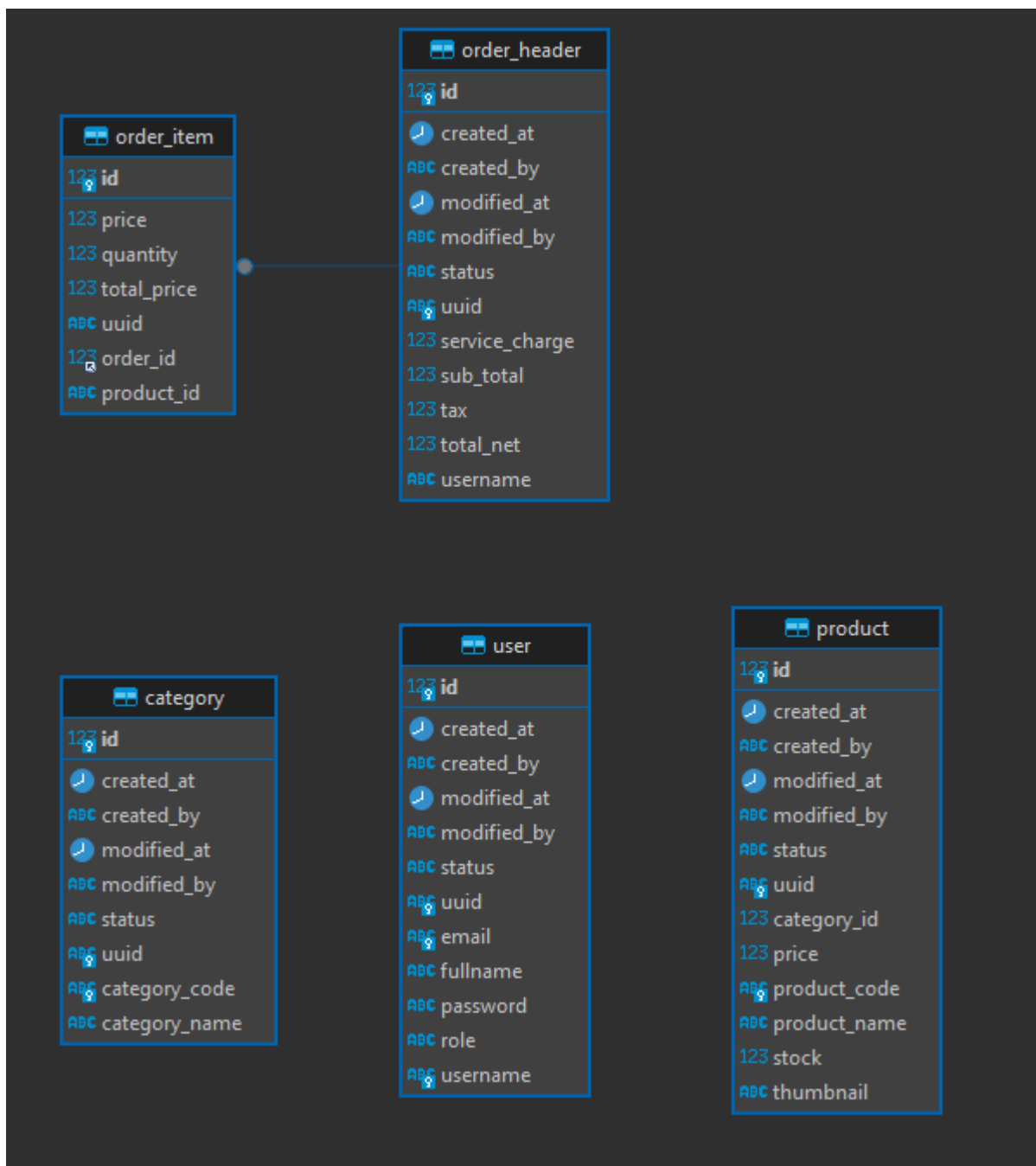
Gambar 1. Entity Relational Diagram.....	5
Gambar 2. Swagger - API Documentation - Controller .....	6
Gambar 3. Swagger - API Documentation – Model .....	8
Gambar 4. Halaman Login .....	8
Gambar 5. Menu Admin .....	9
Gambar 6. Halaman Dashboard .....	9
Gambar 7. Halaman Utama Product Management .....	9
Gambar 8. Halaman Add Product .....	10
Gambar 9. Halaman Edit Product .....	10
Gambar 10. Halaman Utama Category Management .....	11
Gambar 11. Halaman Add Category .....	11
Gambar 12. Halaman Edit Category .....	11
Gambar 13. Halaman Utama User Management .....	12
Gambar 14. Halaman Add User .....	12
Gambar 15. Halaman Edit User .....	13
Gambar 16. Halaman Report .....	13
Gambar 17. File PDF Hasil Download Report .....	13
Gambar 18. SideBar Cashier .....	14
Gambar 19. Halaman Dashboard .....	14
Gambar 20. Halaman Cashier App .....	14

## **1. Penjelasan**

Cashier App adalah sebuah aplikasi kasir yang dirancang untuk memudahkan proses transaksi di sebuah toko atau bisnis. Aplikasi ini memiliki dua peran pengguna utama: admin dan kasir. Peran kasir memungkinkan pengguna untuk melakukan transaksi penjualan dengan efisien, mencatat pembelian pelanggan, dan menghasilkan struk pembayaran. Di sisi lain, peran admin memberikan akses lebih lanjut dengan kemampuan untuk mengelola berbagai aspek penting dalam bisnis, seperti kategori produk untuk mengatur inventaris, menambah atau menghapus produk, mengelola data pengguna, serta menghasilkan dan menganalisis laporan pembelian untuk pemantauan dan perencanaan bisnis yang lebih baik.


Dengan adanya Cashier App, bisnis dapat meningkatkan efisiensi operasionalnya, mengurangi kesalahan dalam pencatatan transaksi, dan memberikan pengalaman berbelanja yang lebih baik bagi pelanggan. Aplikasi ini tidak hanya memfasilitasi proses harian di toko, tetapi juga membantu dalam pengelolaan dan pengembangan bisnis secara keseluruhan.


## 2. Entity Relational Diagram





Gambar 1. Entity Relational Diagram


### 3. Swagger


Authorize 


**category-controller** Category Controller 


GET /category getCategory 


POST /category saveCategory 


GET /category/{uuid} getCategoryByUUID 


PUT /category/{uuid} updateCategory 


DELETE /category/{uuid} deleteCategoryByUUID 


**order-controller** Order Controller 

GET /order getOrder 

POST /order saveOrder 

PUT /order updateOrder 

GET /order/{uuid} getOrderByUUID 

DELETE /order/{uuid} deleteOrderByUUID 

**product-controller** Product Controller 

GET /product getProduct 

POST /product saveProduct 

GET /product/{uuid} getProductByUUID 

PUT /product/{uuid} updateProduct 

DELETE /product/{uuid} deleteProductByUUID 

GET /product/download/{fileName} downloadFile 

**user-controller** User Controller 

GET /user getUser 

GET /user/{uuid} getUserByUUID 

PUT /user/{uuid} updateUser 

DELETE /user/{uuid} deleteUser 

POST /user/login userLogin 

POST /user/register userRegister 

Gambar 2. Swagger - API Documentation - Controller

## Models

```
BaseResponse ▾ {  
  additionalEntity    > {...}  
  data                > {...}  
  messages            string  
  success             boolean  
}
```

```
CategoryInsertRequest ▾ {  
  category_code      string  
  category_name      string  
  status             string  
}
```

```
CategoryUpdateRequest ▾ {  
  category_code      string  
  category_name      string  
  status             string  
}
```

```
InputStream >
```

```
OrderInsertRequest ▾ {  
  item              > [...]  
  service_charge    number($double)  
  sub_total         number($double)  
  tax               number($double)  
  total_net         number($double)  
  username          string  
}
```

```
OrderItemRequest ▾ {  
  price             number($double)  
  product_code      string  
  quantity          integer($int32)  
  total_price       number($double)  
}
```

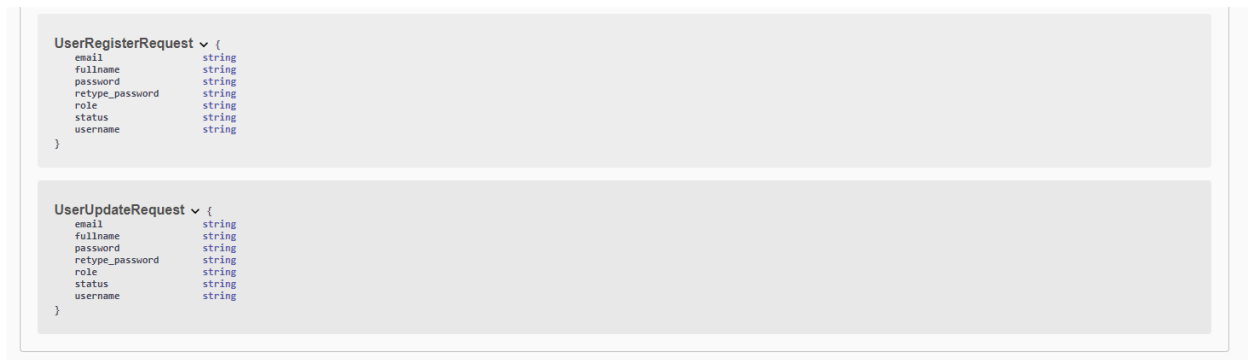
```
OrderUpdateRequest ▾ {  
  product_code      string  
  quantity          integer($int32)  
  status            string  
  total_price       number($double)  
  username          string  
  uuid             string  
}
```

```
ProductInsertRequest ▾ {  
  category_id       integer($int32)  
  price             number($double)  
  product_code      string  
  product_name      string  
  status            string  
  stock             integer($int32)  
}
```

```
ProductUpdateRequest ▾ {  
  category_id       integer($int32)  
  price             number($double)  
  product_code      string  
  product_name      string  
  status            string  
  stock             integer($int32)  
}
```

```
Resource ▾ {  
  description        string  
  file               file  
  filename           string  
  inputStream        InputStream > {...}  
  open               boolean  
  readable           boolean  
  url                string($url)  
  url                string($url)  
}
```

```
UserLoginRequest ▾ {  
  password           string  
  username           string  
}
```



Gambar 3. Swagger - API Documentation – Model

## 4. Login

Login

LOGIN

LOGIN

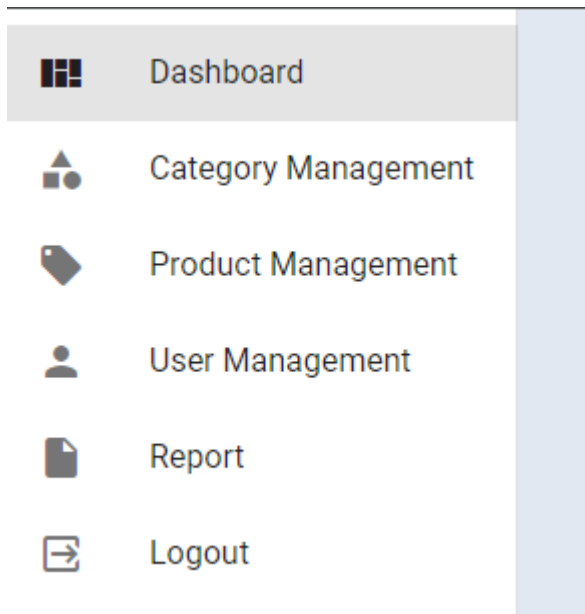
Kamu belum punya akun ? [REGISTER](#)

Gambar 4. Halaman Login



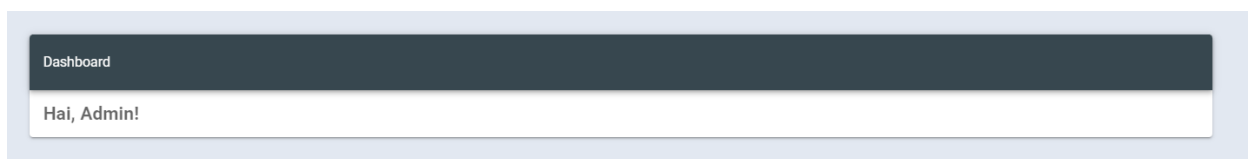
## 5. Admin

### 5.1 SideBar



Gambar 5. Menu Admin

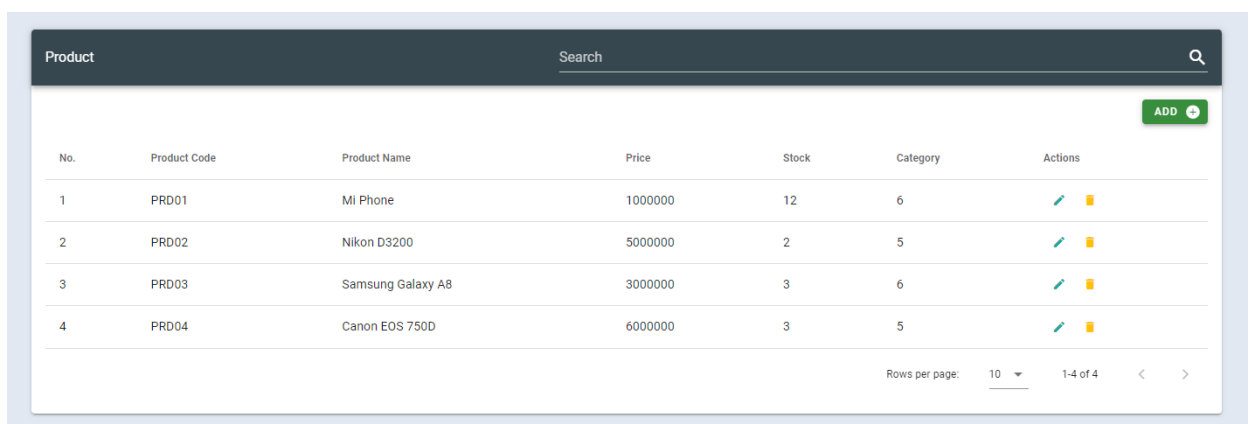
### 5.2 Dashboard



Gambar 6. Halaman Dashboard

## 6. Product Management

### 6.1 Main Page



Gambar 7. Halaman Utama Product Management

## 6.2 Add Product


ADD PRODUCT

[Product](#) / [Add](#)

Product Code

Product Name

Thumbnail



Price

Stock

0

Category

Status

BACK

SAVE

Gambar 8. Halaman Add Product

## 6.3 Edit Product

EDIT PRODUCT

[Product](#) / [Edit](#)


Product Code

PRD01

Product Name

Mi Phone

Thumbnail



×

Price

1000000

Stock

12

Category

Handphone

Status

active





BACK

SAVE

Gambar 9. Halaman Edit Product

## 7. Category Management

### 7.1 Main Page

Category			
		Search	
			ADD +
No.	Category Code	Category Name	Actions
1	CAM01	Camera	 
2	HP01	Handphone	 
Rows per page: 10 1-2 of 2 < >			

Gambar 10. Halaman Utama Category Management

### 7.2 Add Category

ADD CATEGORY

[Category](#) / Add

Category Code

Category Name

Status

BACK

SAVE

Gambar 11. Halaman Add Category

### 7.3 Edit Category

EDIT CATEGORY

[Category](#) / Edit

Category Code  
CAM01

Category Name  
Camera

Status  
active





BACK

SAVE

Gambar 12. Halaman Edit Category

## 8. User Management

### 8.1 Main Page

User						Search	
#	Fullname	Email	Role	Status	Actions		
1	Cashier	test@email.com	cashier	active	 		
2	Admin	asd@gmail.com	admin	active	 		
						Rows per page:	10 1-2 of 2 < >

Gambar 13. Halaman Utama User Management

### 8.2 Add User

ADD USER

User / Add

Fullname

Username

Email

Password

Re-Password

Role

Status

BACK

SAVE

Gambar 14. Halaman Add User

### 8.3 Edit User

EDIT USER

User / Edit

Username

cashier

Fullname

Cashier

Email

test@email.com

Password

.....

Role

cashier

Status

active

BACK

SAVE

Gambar 15. Halaman Edit User

## 9. Report

DOWNLOAD PDF

Laporan Pembelian

No	Tanggal Pembelian	Nama Barang	Harga	Jumlah	Total Harga	Total
1	30/06/2024	Mi Phone	1000000	1	1000000	15000000
		Nikon D3200	5000000	1	5000000	
		Samsung Galaxy A8	3000000	1	3000000	
		Canon EOS 750D	6000000	1	6000000	
2	30/06/2024	Mi Phone	1000000	2	2000000	30000000
		Nikon D3200	5000000	2	10000000	
		Samsung Galaxy A8	3000000	2	6000000	
		Canon EOS 750D	6000000	2	12000000	

Gambar 16. Halaman Report

## 10. PDF Result

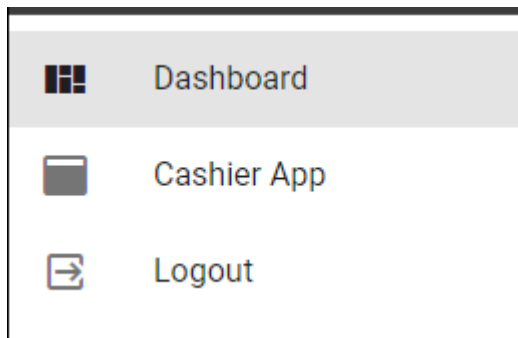
### Laporan Pembelian

No	Tanggal Pembelian	Nama Barang	Harga	Jumlah	Total Harga	Total
1	30/06/2024	Mi Phone	1000000.00	1	1000000.00	15000000
		Nikon D3200	5000000.00	1	5000000.00	
		Samsung Galaxy A8	3000000.00	1	3000000.00	
		Canon EOS 750D	6000000.00	1	6000000.00	
2	30/06/2024	Mi Phone	1000000.00	2	2000000.00	30000000
		Nikon D3200	5000000.00	2	10000000.00	
		Samsung Galaxy A8	3000000.00	2	6000000.00	
		Canon EOS 750D	6000000.00	2	12000000.00	

Gambar 17. File PDF Hasil Download Report

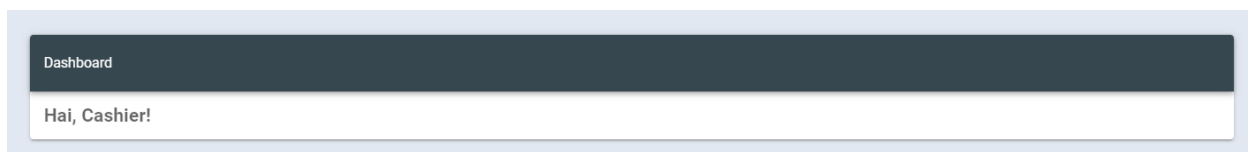
## 11. Cashier

### 11.1 SideBar



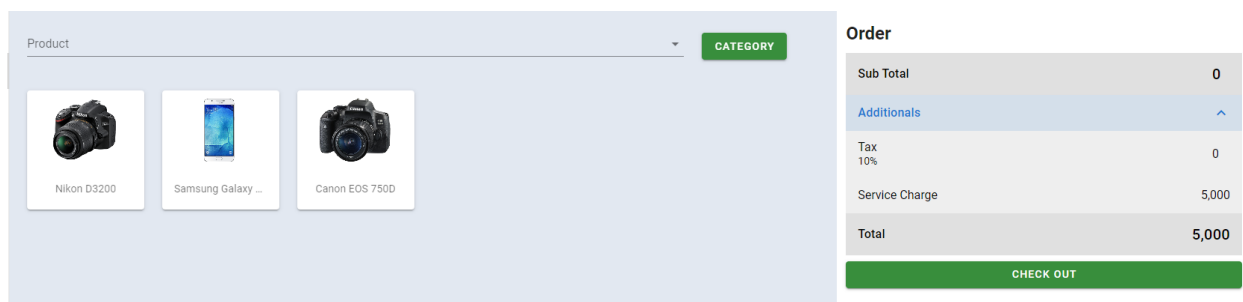
Gambar 18. SideBar Cashier

### 11.2 Dashboard



Gambar 19. Halaman Dashboard

### 11.3 Cashier App



Gambar 20. Halaman Cashier App

## 12. Source Code

- Source Code
  - o <https://github.com/anggiirawan13/tugas-akhir-cashier>
- Documentation Server Side
  - o <https://github.com/anggiirawan13/tugas-akhir-cashier/blob/master/be/README.md>
- Documentation Client Side
  - o <https://github.com/anggiirawan13/tugas-akhir-cashier/blob/master/fe/README.md>
- Youtube
  - o <https://youtu.be/6aeTt5IS7sU>