

Final Project – Milestone 2
II3160 – Teknologi Sistem Terintegrasi
Mengembangkan Layanan *Microservices* Menggunakan
Framework CI4 dan XAMPP

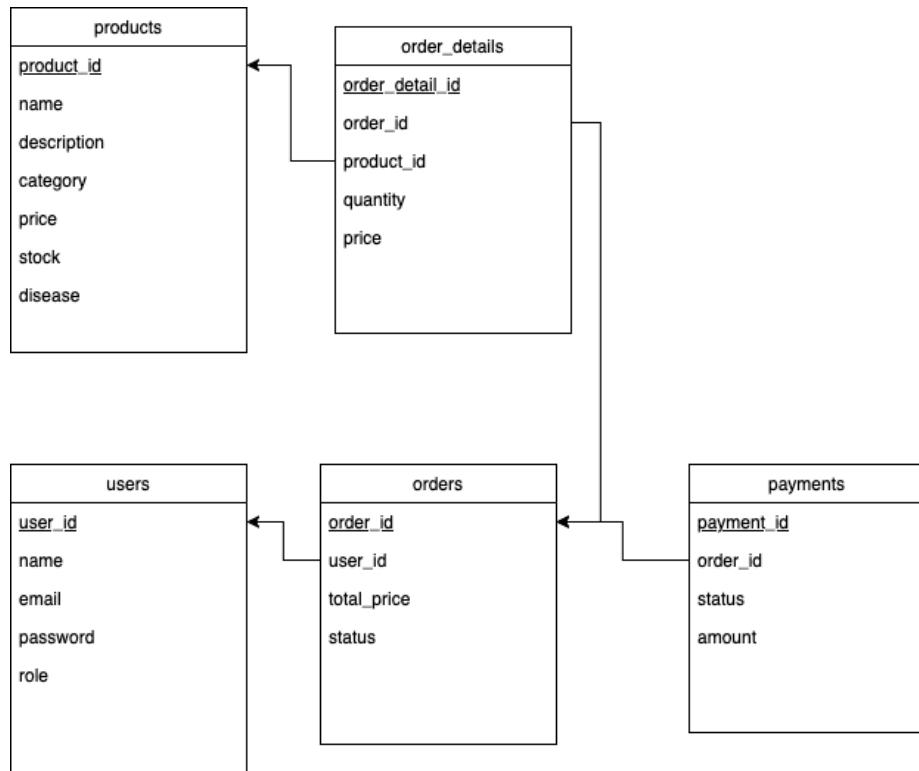


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Teman Kelompok (Kelompok 9): Clement Nathanael Lim / 18222032

PROGRAM STUDI SISTEM DAN TEKNOLOGI INFORMASI
SEKOLAH TEKNIK ELEKTRO DAN INFORMATIKA
INSTITUT TEKNOLOGI BANDUNG

2024

A. Dokumentasi database



1. Users → Orders : Satu pengguna dapat memiliki banyak pesanan.
2. Users → Orders Details : Satu pesanan dapat memiliki banyak detail pesanan, masing-masing untuk produk tertentu.
3. Orders → Payment : Satu pesanan memiliki satu catatan pembayaran.
4. Products → Order Details : Produk dihubungkan dengan detail pesanan untuk mencatat produk yang dibeli.

B. Cara Menggunakan Layanan

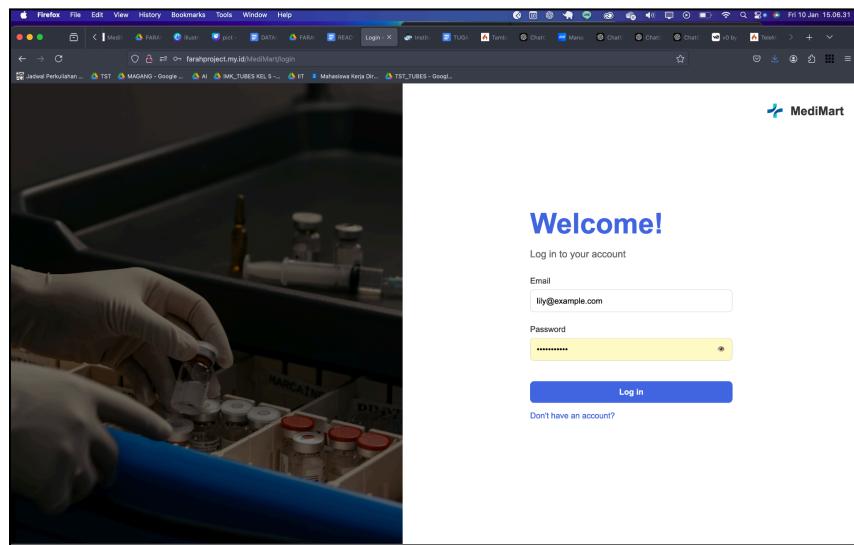
Layanan ini terdiri dari dua user yaitu admin dan customer, saya akan menjelaskan menggunakan layanan dengan kedua user ini dengan menggunakan view:

a. User Admin

1. Melakukan login

Disini admin dapat melakukan login sesuai dengan email dan pas yang sudah didaftarkan. Untuk user admin tidak ada pendaftaran karena akan didaftarkan secara langsung di database. Disini saya mencobanya dengan akun lily@example.com dengan pass “**password**”. Disini pengguna akan

disimpan sessionnya sebagai autentifikasi apakah dia sudah pernah masuk atau belum untuk dapat mengakses halaman-halaman yang lain.



2. Manajemen Produk CRUD

A screenshot of a Firefox browser window showing the MediMart Product Management page. The interface includes a sidebar with links for Products, Payments, Shipping, and Logout. The main area displays a table of products with columns for ID, Name, Category, Price, Stock, Disease, and Actions (Edit and Delete buttons).

ID	Name	Category	Price	Stock	Disease	Actions
1	Diabetes Support Capsule	medicine	120000	46	Diabetes	<button>Edit</button> <button>Delete</button>
2	Hypertension Relief Supplement	supplement	75000	28	Hypertension	<button>Edit</button> <button>Delete</button>
3	Asthma Inhaler	medicine	150000	23	Asthma	<button>Edit</button> <button>Delete</button>
4	Heart Health Vitamin	vitamin	95000	40	Heart Disease	<button>Edit</button> <button>Delete</button>
5	Flu Relief Ointment	ointment	60000	15	Influenza	<button>Edit</button> <button>Delete</button>
6	Diarrhea Care Solution	medicine	50000	20	Diarrhea	<button>Edit</button> <button>Delete</button>
7	Constipation Relief Powder	other	45000	35	Constipation	<button>Edit</button> <button>Delete</button>
8	Migraine Soothing Balm	ointment	70000	20	Migraine	<button>Edit</button> <button>Delete</button>
9	Maag Relief Capsule	medicine	55000	25	Maag	<button>Edit</button> <button>Delete</button>
10	General Wellness Supplement	supplement	65000	50	Other	<button>Edit</button> <button>Delete</button>

Add Produk

The screenshot shows the MediMart Product Management interface. On the left, there's a sidebar with 'Products', 'Payments', and 'Shipping' options, and a 'Logout' link. The main area has a table of products with columns for ID, Name, Stock, Disease, and Actions. A modal window titled 'Add Product' is open, containing fields for Name ('Sereal'), Description ('For breakfast'), Category ('Other'), and a dropdown menu for 'Select Disease' which lists various health conditions like Diabetes, Hypertension, Asthma, etc. At the bottom of the modal are 'Cancel' and 'Save Product' buttons.

ID	Name	Stock	Disease	Actions
1	Diabetes Support Capsule	46	Diabetes	Edit Delete
2	Hypertension Relief Supplement	28	Hypertension	Edit Delete
3	Asthma Inhaler	23	Asthma	Edit Delete
4	Heart Health Vitamin	40	Heart Disease	Edit Delete
5	Flu Relief Ointment	15	Influenza	Edit Delete
6	Diarrhea Care Solution	20	Diarrhea	Edit Delete
7	Constipation Relief Powder	35	Constipation	Edit Delete
8	Migraine Soothing Balm	20	Migraine	Edit Delete
9	Maag Relief Capsule	25	Maag	Edit Delete
10	General Wellness Supplement	50	Other	Edit Delete

Edit Product

This screenshot shows the 'Edit Product' dialog for the 'Diabetes Support Capsule'. The dialog includes fields for Name ('Diabetes Support Capsule'), Description ('Capsule for managing blood sugar levels.'), Category ('Medicine'), Price ('120000'), Stock ('46'), and Disease ('Diabetes'). The background shows the same product management table as the previous screenshot, with the 'Diabetes Support Capsule' now listed under the 'Diabetes' category in the main grid.

ID	Name	Stock	Disease	Actions
1	Diabetes Support Capsule	46	Diabetes	Edit Delete
2	Hypertension Relief Supplement	28	Hypertension	Edit Delete
3	Asthma Inhaler	23	Asthma	Edit Delete
4	Heart Health Vitamin	40	Heart Disease	Edit Delete
5	Flu Relief Ointment	15	Influenza	Edit Delete
6	Diarrhea Care Solution	20	Diarrhea	Edit Delete
7	Constipation Relief Powder	35	Constipation	Edit Delete
8	Migraine Soothing Balm	20	Migraine	Edit Delete
9	Maag Relief Capsule	25	Maag	Edit Delete
10	General Wellness Supplement	50	Other	Edit Delete

Delete Product

A screenshot of a Firefox browser window showing the MediMart admin panel. The main content area displays a table of products with columns for ID, Name, Category, Price, Stock, Disease, and Actions (Edit, Delete). A modal dialog box is overlaid on the table, asking 'Are you sure you want to delete this product?' with 'Cancel' and 'Ok' buttons. The 'Ok' button is highlighted in blue.

ID	Name	Category	Price	Stock	Disease	Actions
1	Diabetes Support Capsule	medicine	120000	46	Diabetes	<button>Edit</button> <button>Delete</button>
2	Hypertension Relief Supplement	supplement	75000	28	Hypertension	<button>Edit</button> <button>Delete</button>
3	Asthma Inhaler	medicine	150000	23	Asthma	<button>Edit</button> <button>Delete</button>
4	Heart Health Vitamin	vitamin	95000	40	Heart Disease	<button>Edit</button> <button>Delete</button>
5	Flu Relief Ointment			15	Influenza	<button>Edit</button> <button>Delete</button>
6	Diarrhea Care Solution			20	Diarrhea	<button>Edit</button> <button>Delete</button>
7	Constipation Relief Powder	other	45000	35	Constipation	<button>Edit</button> <button>Delete</button>
8	Migraine Soothing Balm	ointment	70000	20	Migraine	<button>Edit</button> <button>Delete</button>
9	Maag Relief Capsule	medicine	65000	25	Maag	<button>Edit</button> <button>Delete</button>
10	General Wellness Supplement	supplement	65000	50	Other	<button>Edit</button> <button>Delete</button>
11	OatMeal	other	20000	100	Maag	<button>Edit</button> <button>Delete</button>

3. Pembayaran

A screenshot of a Firefox browser window showing the MediMart admin panel. The main content area displays a table of payments with columns for ID, Order ID, Status, Amount, and Actions (Edit). The table shows four rows of payment records.

ID	Order ID	Status	Amount	Actions
1	5	processing	Rp 120000	<button>Edit</button>
2	6	processing	Rp 150000	<button>Edit</button>
3	7	processing	Rp 75000	<button>Edit</button>
4	8	processing	Rp 150000	<button>Edit</button>

Admin bisa melakukan update status pembayaran yang dilakukan pengguna.

A screenshot of a Firefox browser window displaying the MediMart Payments Management interface. The main table shows four payment entries with Order IDs 5, 6, 7, and 8, all currently in a 'processing' status. An edit button is visible for each row. A modal dialog box titled 'Edit Payment Status' is open over the table, showing a dropdown menu with three options: 'Processing' (selected), 'Success', and 'Failed'. At the bottom of the dialog are 'Save' and 'Cancel' buttons.

ID	Order ID	Status	Amount	Actions
1	5	processing	Rp 120000	Edit
2	6	processing	Rp 150000	Edit
3	7		Rp 75000	Edit
4	8		Rp 150000	Edit

4. Edit status pesanan yang dilakukan customer

A screenshot of a Firefox browser window displaying the MediMart Shipping Management interface. The main table shows eight shipping entries with Order IDs 1 through 8. The first five entries have a 'pending' status, while entries 6, 7, and 8 have statuses 'Deha', 'Sunter', and 'KOSTAN BANDUNG' respectively. An edit button is visible for each row. A modal dialog box titled 'Edit Shipping Status' is open over the table, showing a dropdown menu with four options: 'Pending' (selected), 'Shipped', 'Delivered', and 'Canceled'. At the bottom of the dialog are 'Save' and 'Cancel' buttons.

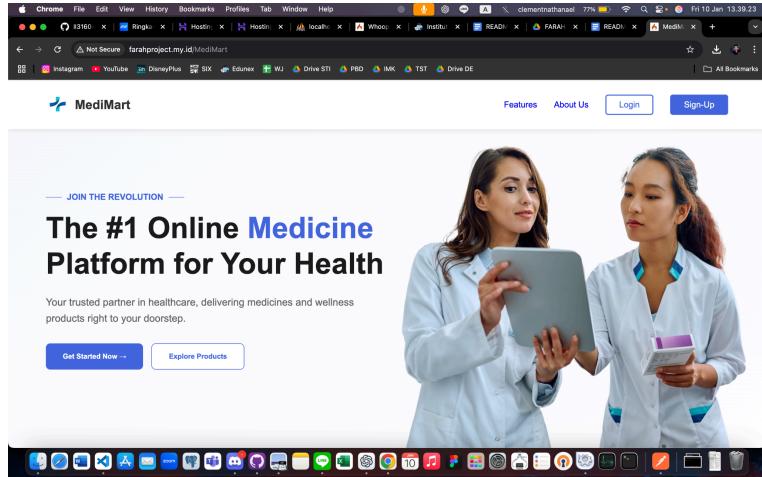
Order ID	User ID	Status	Shipping Address	Actions
1	1	pending	dsc	Edit
2	4	pending	ea	Edit
3	4	pending	ea	Edit
4	4	pending	ea	Edit
5	4	pending	ea	Edit
6	4	Deha		Edit
7	1	pending	Sunter	Edit
8	4	pending	KOSTAN BANDUNG	Edit

b. User Customer

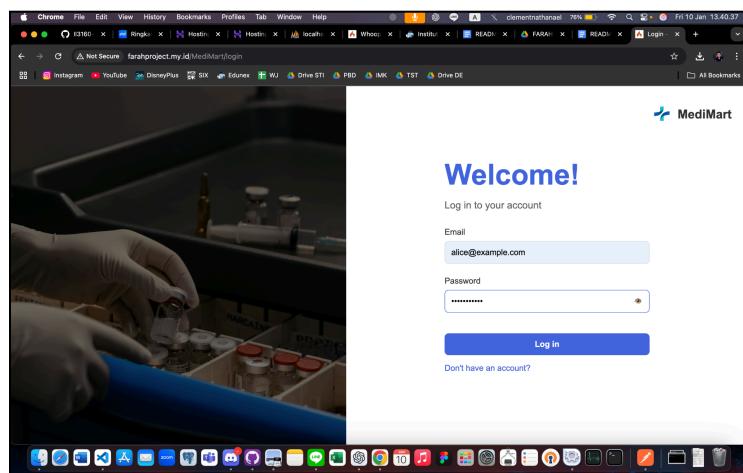
Berikut ini merupakan cara penggunaan layanan *Medimart*.

1. Melakukan proses pemesanan

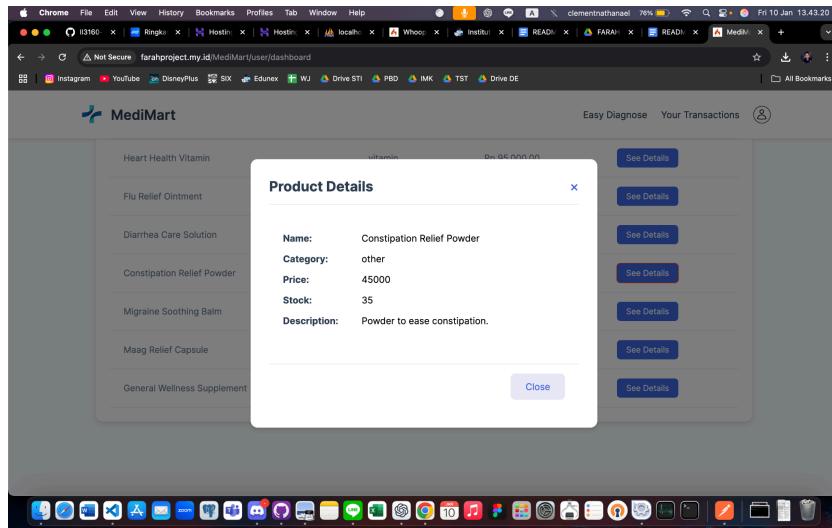
- 1.1. Akses farahproject.my.id/MediMart.



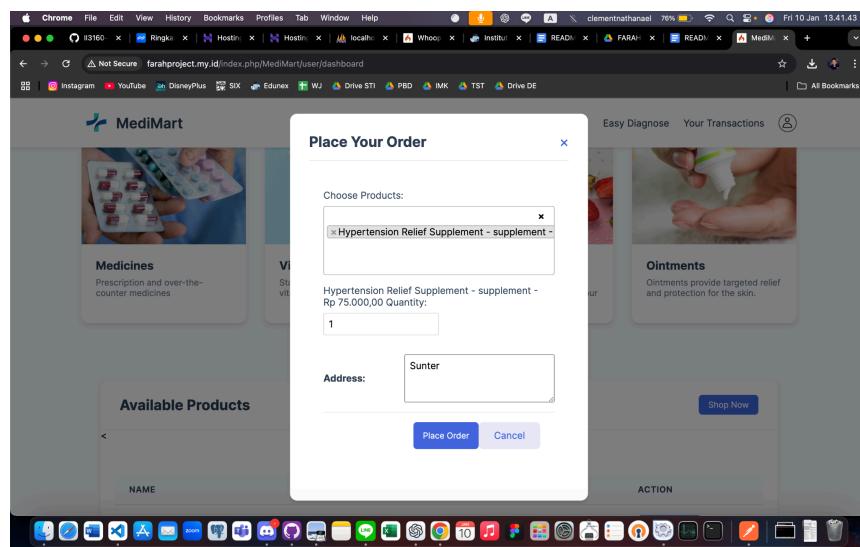
- 1.2. Lakukan *Signup* dan juga *Login* untuk masuk ke dalam website.



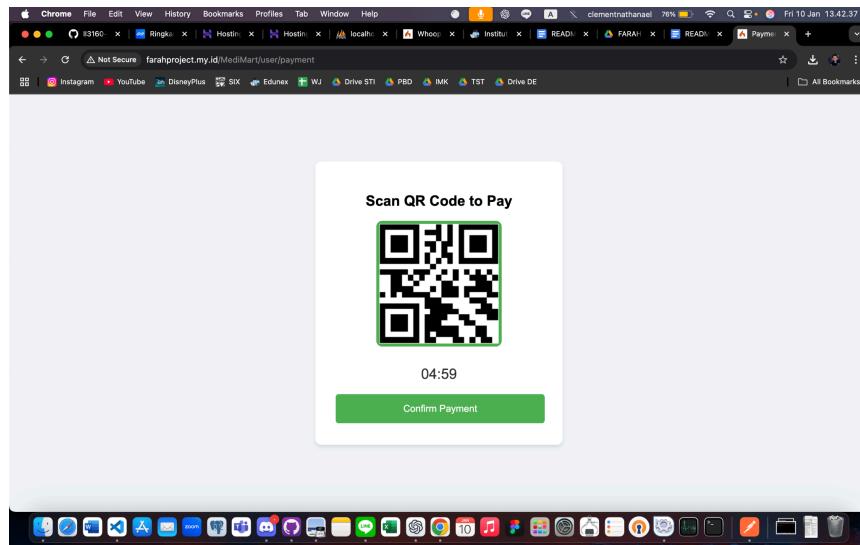
1.3. Pilih dan lihat obat di halaman yang tersedia.



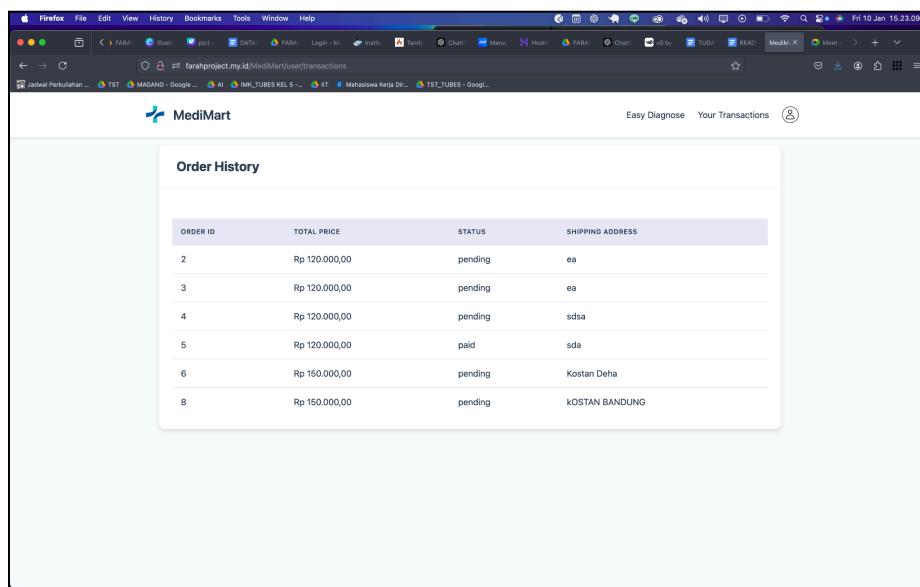
1.4. Buat *order* sesuai dengan obat yang tersedia.



1.5. Melakukan pembayaran sesuai dengan instruksi.



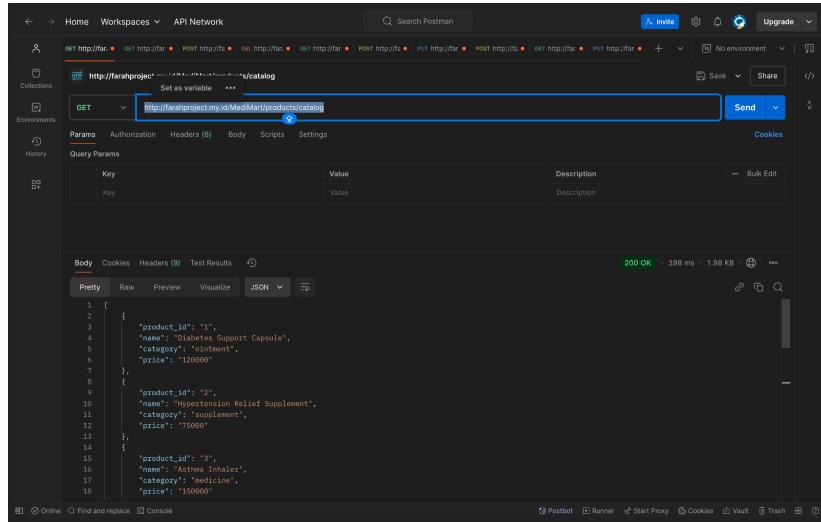
2. Melakukan proses lihat transaksi.



3. Melakukan proses lihat transaksi.

c. Test Postman

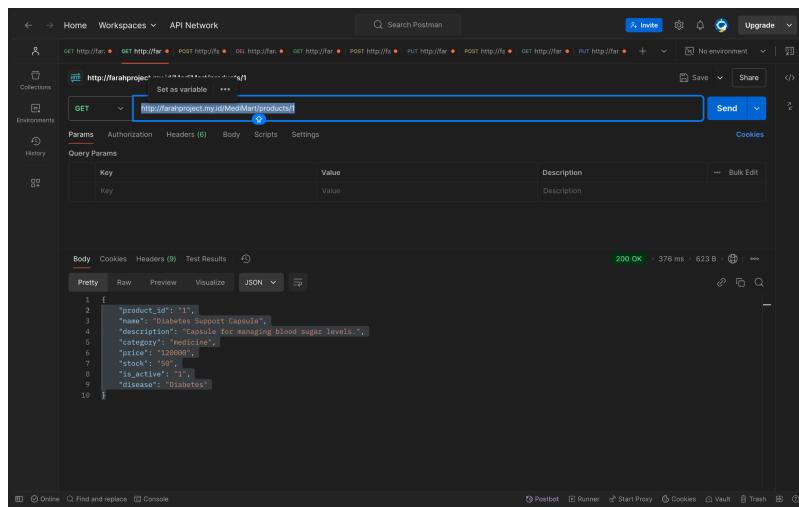
1. [http://farahproject.my.id/MediMart/products/catalog'](http://farahproject.my.id/MediMart/products/catalog)



The screenshot shows the Postman application interface. A GET request is made to <http://farahproject.my.id/MediMart/products/catalog>. The response is 200 OK, with a duration of 398 ms and a size of 1.98 KB. The JSON response body is as follows:

```
[{"product_id": "1", "name": "Diabetes Support Capsule", "category": "Treatment", "price": "120000"}, {"product_id": "2", "name": "Hyperextension Relief Supplement", "category": "supplement", "price": "75000"}, {"product_id": "3", "name": "Asthma Inhaler", "category": "medicine", "price": "150000"}]
```

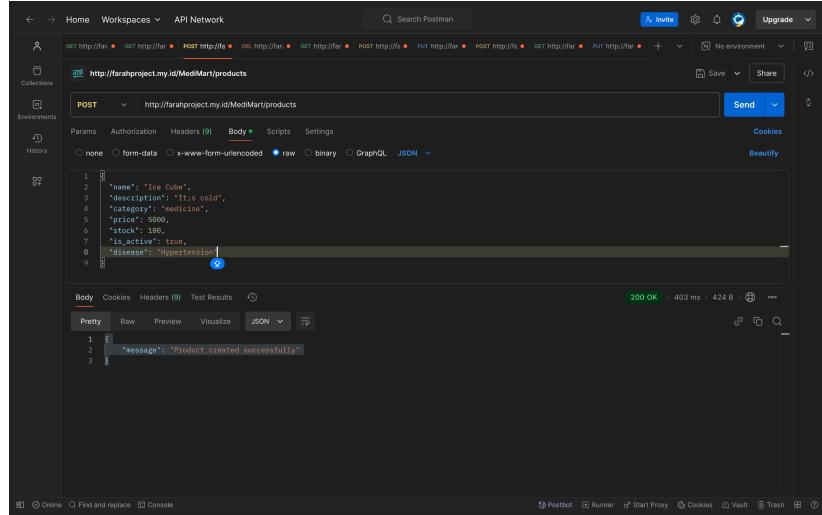
2. <http://farahproject.my.id/MediMart/products/1>



The screenshot shows the Postman application interface. A GET request is made to <http://farahproject.my.id/MediMart/products/1>. The response is 200 OK, with a duration of 376 ms and a size of 623 B. The JSON response body is as follows:

```
{ "product_id": "1", "name": "Diabetes Support Capsule", "description": "Capsule for managing blood sugar levels.", "category": "medicine", "price": "120000", "stock": "56", "is_active": "1", "disease": "Diabetes"}
```

3. http://farahproject.my.id/MediMart/products



POST http://farahproject.my.id/MediMart/products

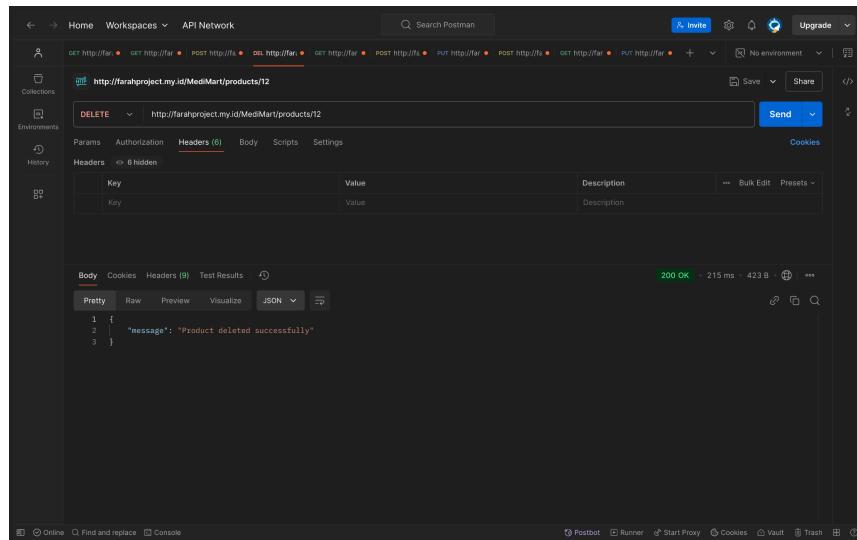
```
[{"name": "Ice Cube", "description": "It's cold", "category": "Medicine", "price": 1000, "stock": 100, "isActive": true, "diseases": "Hypertension"}]
```

Body Cookies Headers (9) Test Results

200 OK 403 ms 424 B

```
{"message": "Product created successfully"}
```

4. http://farahproject.my.id/MediMart/products/12



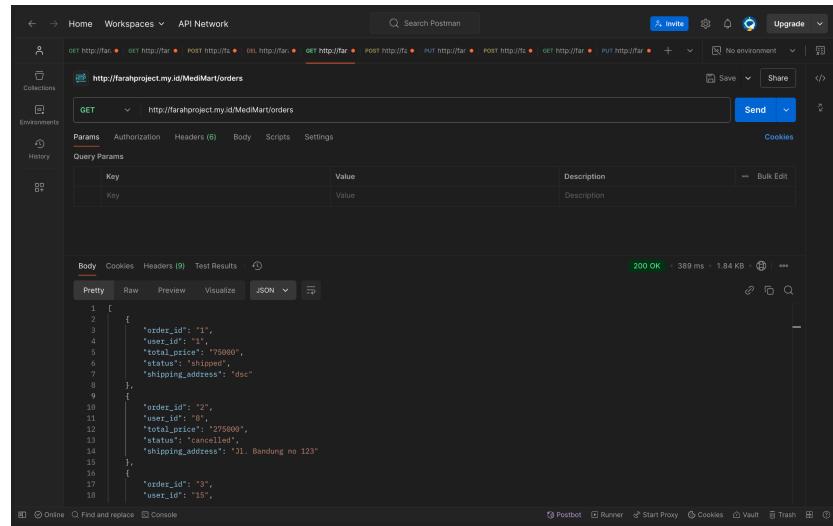
DELETE http://farahproject.my.id/MediMart/products/12

Body Cookies Headers (6) Test Results

200 OK 215 ms 423 B

```
{"message": "Product deleted successfully"}
```

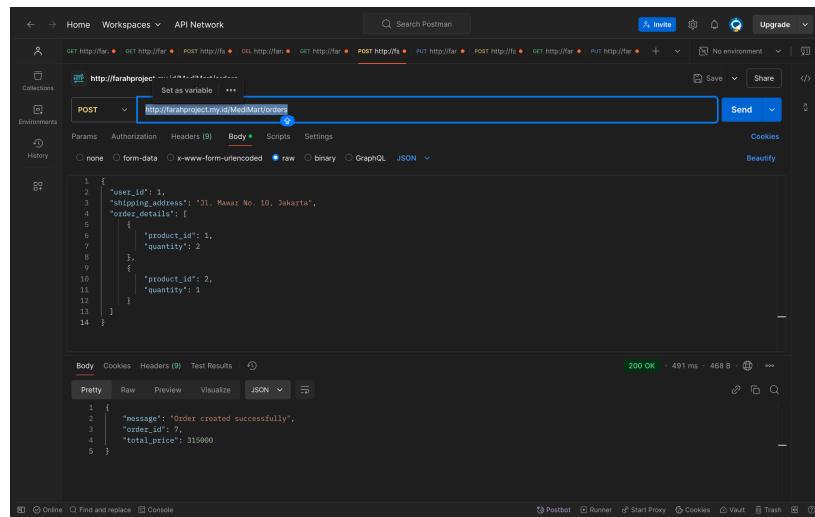
5. http://farahproject.my.id/MediMart/orders



The screenshot shows the Postman interface with a collection named "farahproject". A GET request is made to "http://farahproject.my.id/MediMart/orders". The response is successful (200 OK) with a duration of 389 ms and a size of 1.84 KB. The response body is a JSON array containing two order objects:

```
[{"order_id": "1", "user_id": "1", "total_price": "250000", "status": "shipped", "shipping_address": "dec"}, {"order_id": "2", "user_id": "8", "total_price": "275000", "status": "cancelled", "shipping_address": "Jl. Bandung no 123"}, {"order_id": "3", "user_id": "15", "total_price": "315000"}]
```

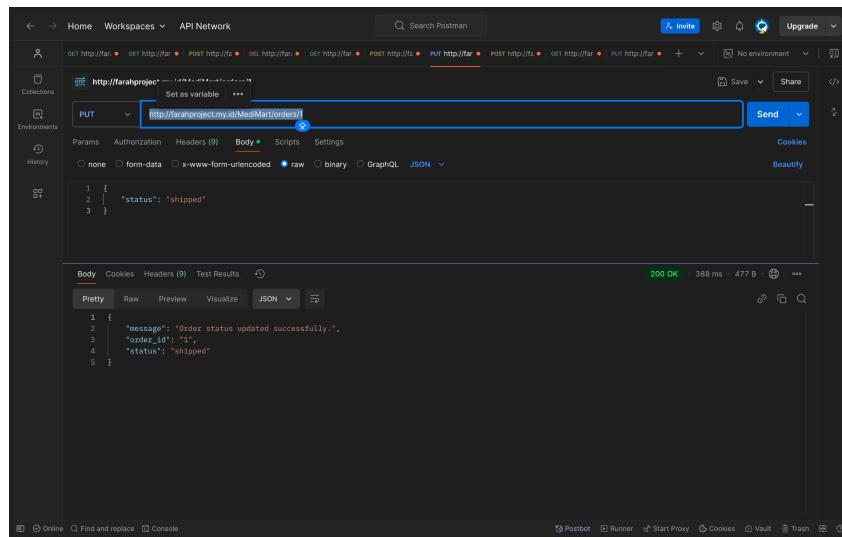
6. http://farahproject.my.id/MediMart/orders



The screenshot shows the Postman interface with a collection named "farahproject". A POST request is made to "http://farahproject.my.id/MediMart/orders". The response is successful (200 OK) with a duration of 491 ms and a size of 468 B. The response body is a JSON object:

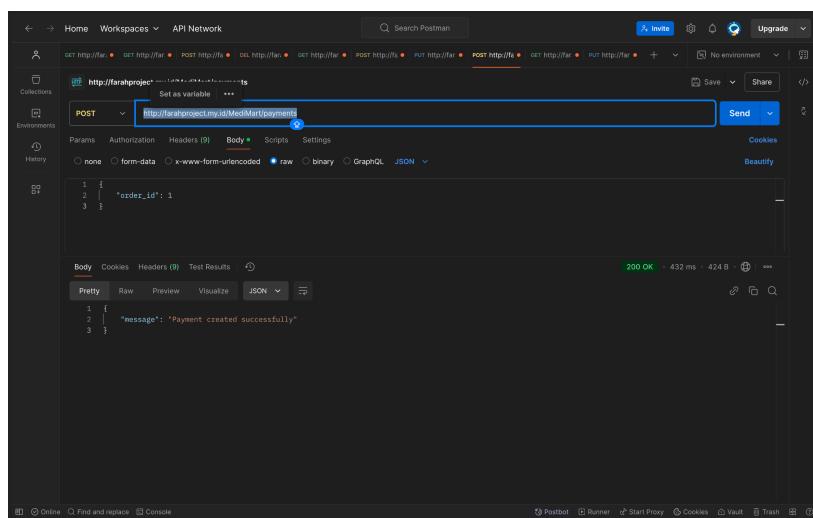
```
{"message": "Order created successfully", "order_id": 7, "total_price": 315000}
```

7. http://farahproject.my.id/MediMart/orders/1



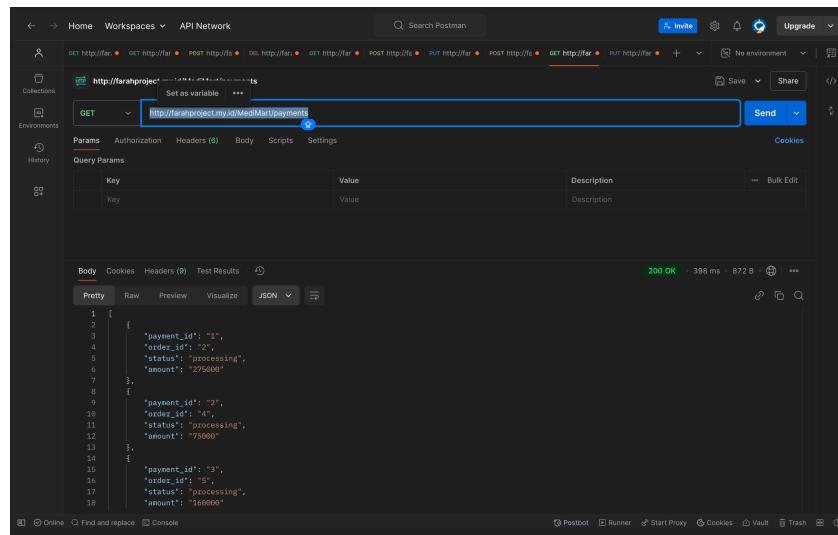
Postman screenshot showing a PUT request to `http://farahproject.my.id/MediMart/orders/1`. The request body is a JSON object with `"status": "shipped"`. The response status is 200 OK with a message: `"message": "Order status updated successfully."`.

8. http://farahproject.my.id/MediMart/payments



Postman screenshot showing a POST request to `http://farahproject.my.id/MediMart/payments`. The request body is a JSON object with `"order_id": 1`. The response status is 200 OK with a message: `"message": "Payment created successfully"`.

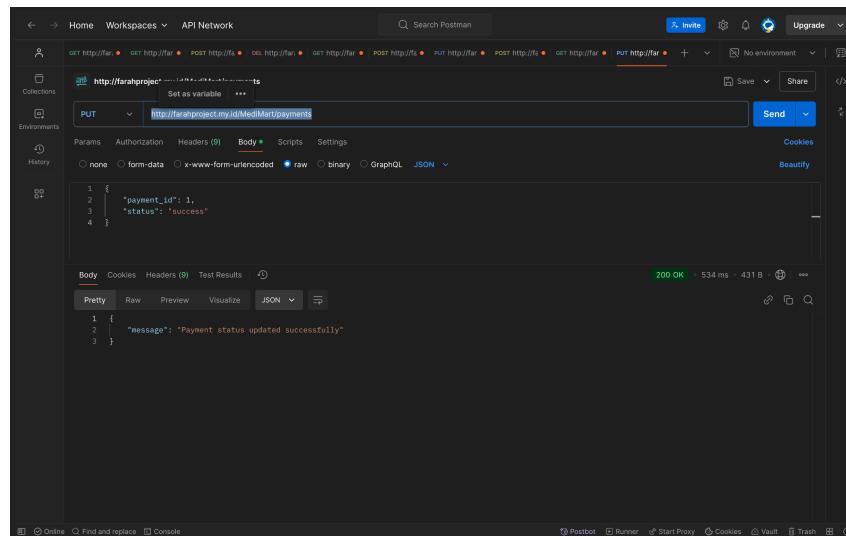
9. http://farahproject.my.id/MediMart/payments



A screenshot of the Postman application interface. The URL in the header bar is `http://farahproject.my.id/MediMart/payments`. The method dropdown shows "GET". Below the URL, there are tabs for "Params", "Authorization", "Headers (0)", "Body", "Scripts", and "Settings". The "Body" tab is selected, showing a JSON response with three payment objects. Each object has payment_id, order_id, status, and amount fields. The status for all three is "processing". The amount for the first two is 2750000 and for the third is 1750000.

```
[{"payment_id": "1", "order_id": "2", "status": "processing", "amount": "2750000"}, {"payment_id": "2", "order_id": "4", "status": "processing", "amount": "1750000"}, {"payment_id": "3", "order_id": "5", "status": "processing", "amount": "1000000"}]
```

10. http://farahproject.my.id/MediMart/payments



A screenshot of the Postman application interface. The URL in the header bar is `http://farahproject.my.id/MediMart/payments`. The method dropdown shows "PUT". Below the URL, there are tabs for "Params", "Authorization", "Headers (0)", "Body", "Scripts", and "Settings". The "Body" tab is selected, showing a raw JSON body with a single object containing payment_id and status fields. The status is set to "success".

```
{"payment_id": 1, "status": "success"}
```

The response at the bottom shows a 200 OK status with a message: "Payment status updated successfully".

```
{ "message": "Payment status updated successfully"}
```