PROJEK AKHIR PASTI

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- Kelompok 15 -

Contents

Detail Proyek

1. Setiap kasus harus menerapkan Microservice.
2. Bahasa pemrograman minimal 2 jenis dan wajib menggunakan bahasa Go (cth: Go & Java / Go & PHP / dll).
3. Banyak service menyesuaikan minimum table atau minimum fitur atau minimum requirement PA2.
4. Messaging protocol yang digunakan adalah REST API.
5. Untuk app consumer, dibebaskan menggunakan web-based.

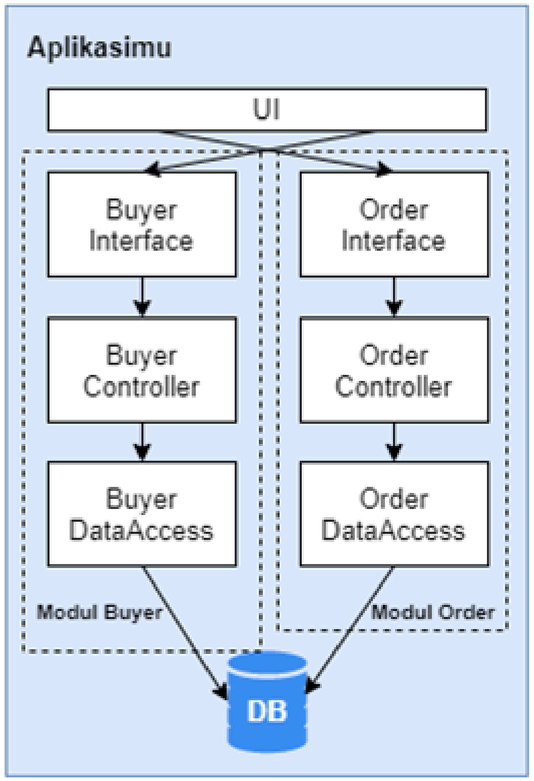
DESKRIPSI UMUM APLIKASI

Aplikasi mobile ini dirancang untuk manajemen dan reservasi online, serta dapat digunakan oleh admin dan customer untuk memasarkan dan membeli produk. Dalam aplikasi ini, admin mengelola produk yang akan dijual, sedangkan pelanggan dapat melakukan pemesanan produk. Aplikasi ini dibangun menggunakan tiga bahasa pemrograman, dengan bagian back-end dan front-end menggunakan bahasa yang berbeda. Back-end dibangun dengan bahasa GO, sementara front-end menggunakan PHP (untuk admin) dan DART (untuk customer). Selain itu, aplikasi ini juga menggunakan teknologi Flutter, GOFiber, Apache, dan Laravel. Berikut adalah penjelasan lebih detail mengenai teknologi yang digunakan:

1. Flutter: Framework yang digunakan untuk membangun aplikasi menggunakan bahasa pemrograman DART.
2. GoFiber: Framework yang digunakan untuk membangun aplikasi menggunakan bahasa pemrograman GO atau Golang.
3. Apache: Web server yang digunakan untuk melayani permintaan HTTP dan mengirimkan konten web kepada pengguna berdasarkan permintaan.
4. Laravel: Framework yang digunakan untuk membangun aplikasi menggunakan bahasa pemrograman PHP.

PERBANDINGAN MONOLITH DENGAN MICROSERVICES

MONOLITH



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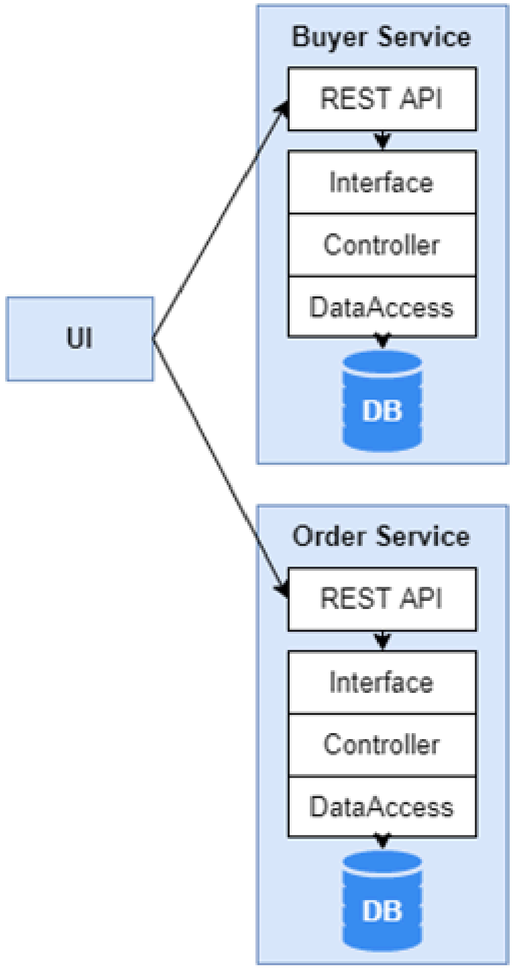
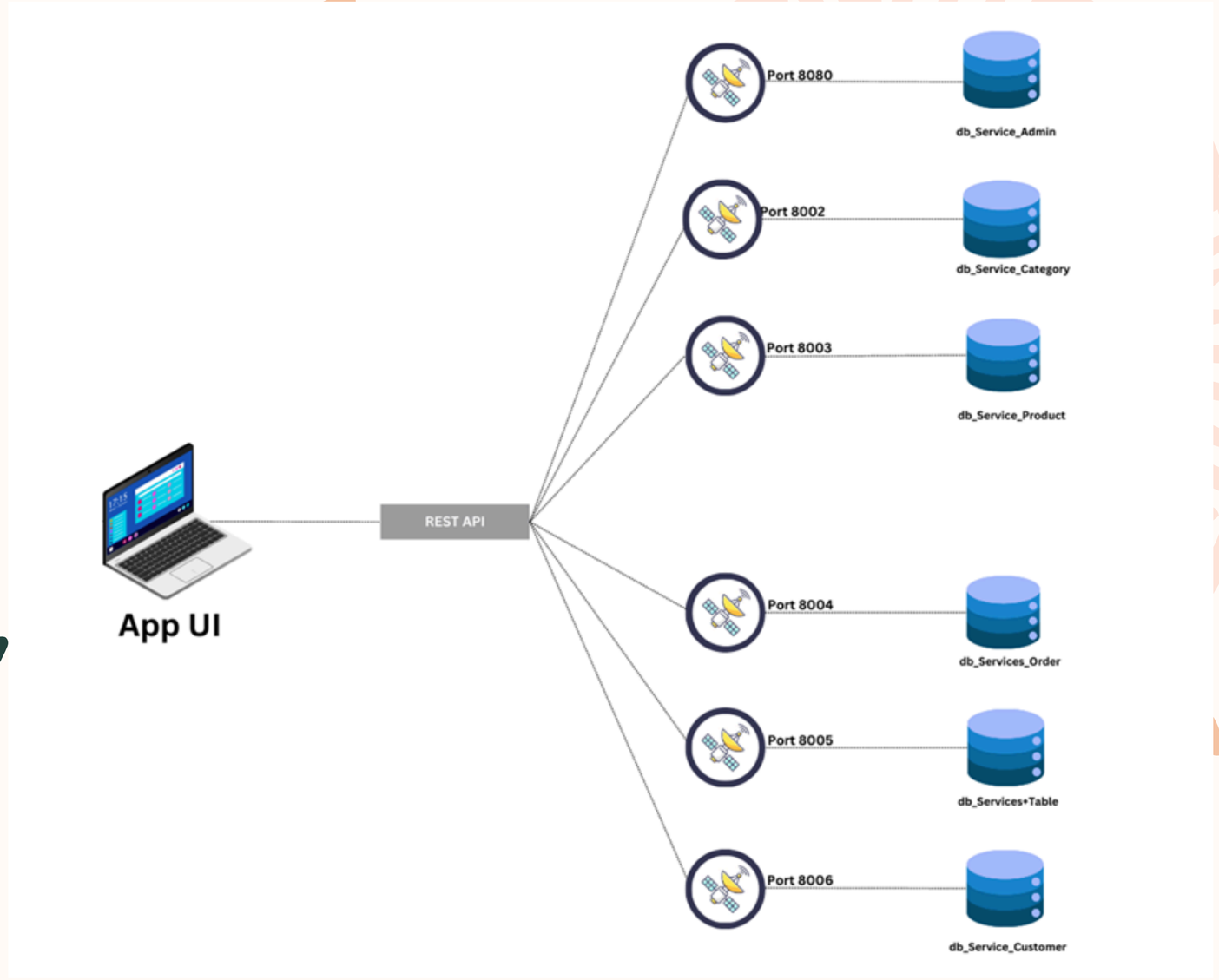


ARSITEKTUR MICROSERVICES



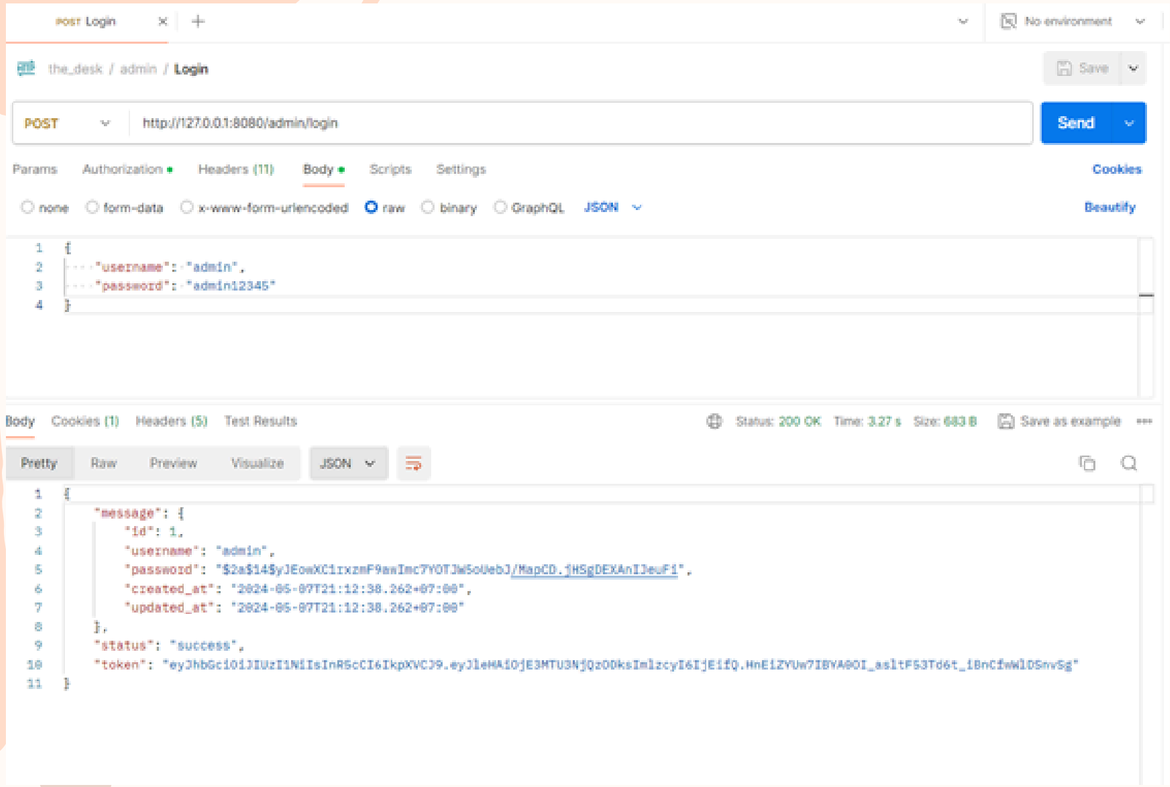
Fungsi Aplikasi

1. Fungsi Autentikasi
2. Fungsi Mengelola Product bagi Admin
3. Fungsi Mengelola Category Product bagi Admin
4. Fungsi Mengelola Table bagi Admin
5. Fungsi Melihat Order bagi Admin
6. Fungsi Melihat Product Customer
7. Fungsi Melihat Category Customer

Pengujian Service

AUTENTIKASI ADMIN

POST LOGIN



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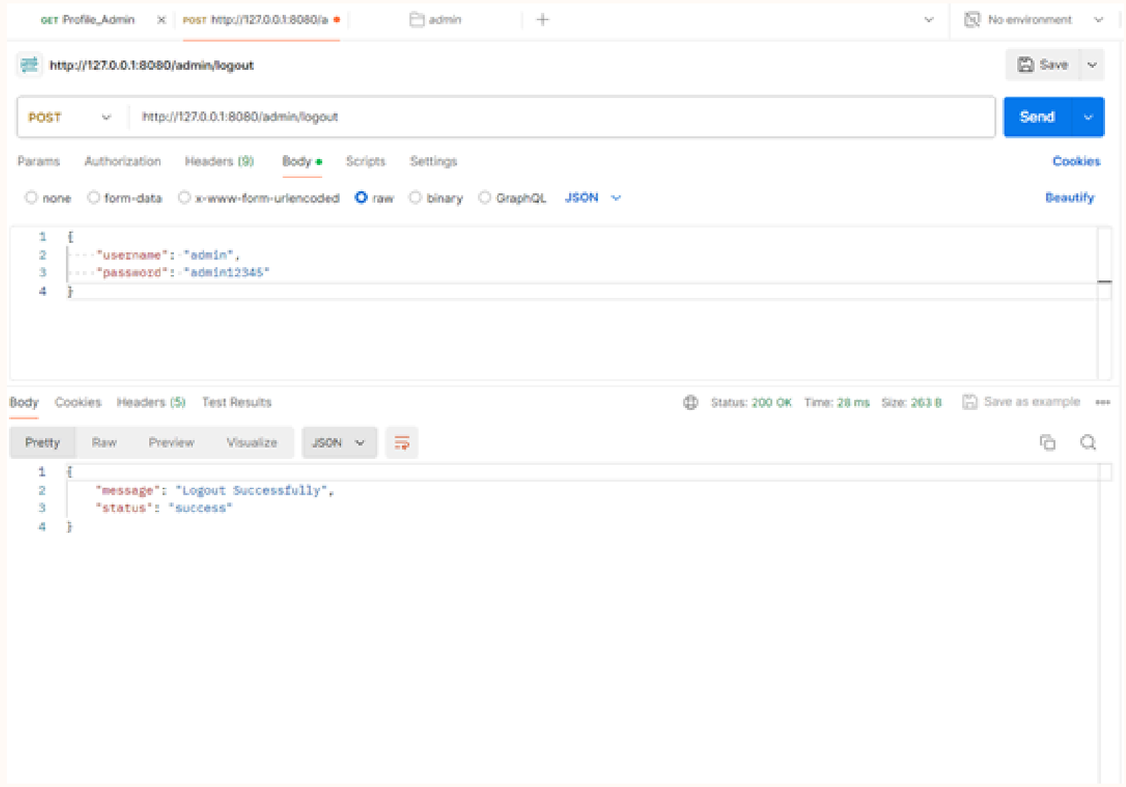
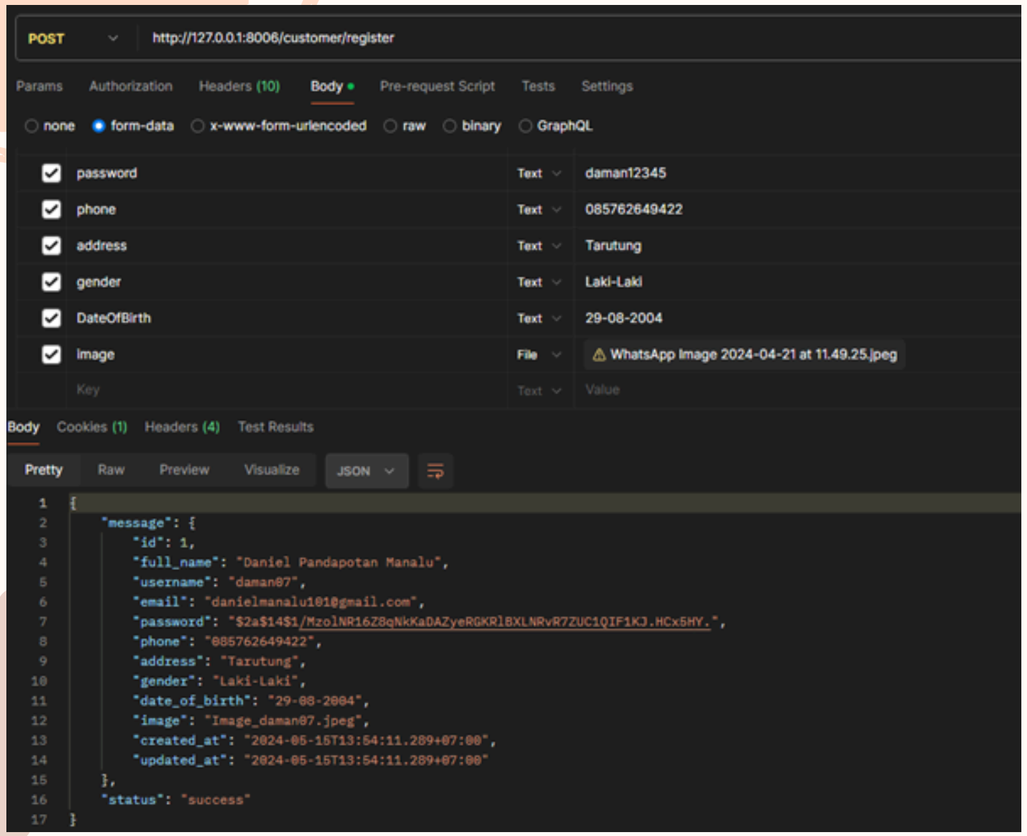


Pengujian Service

AUTENTIKASI CUSTOMER

POST REGISTRASI



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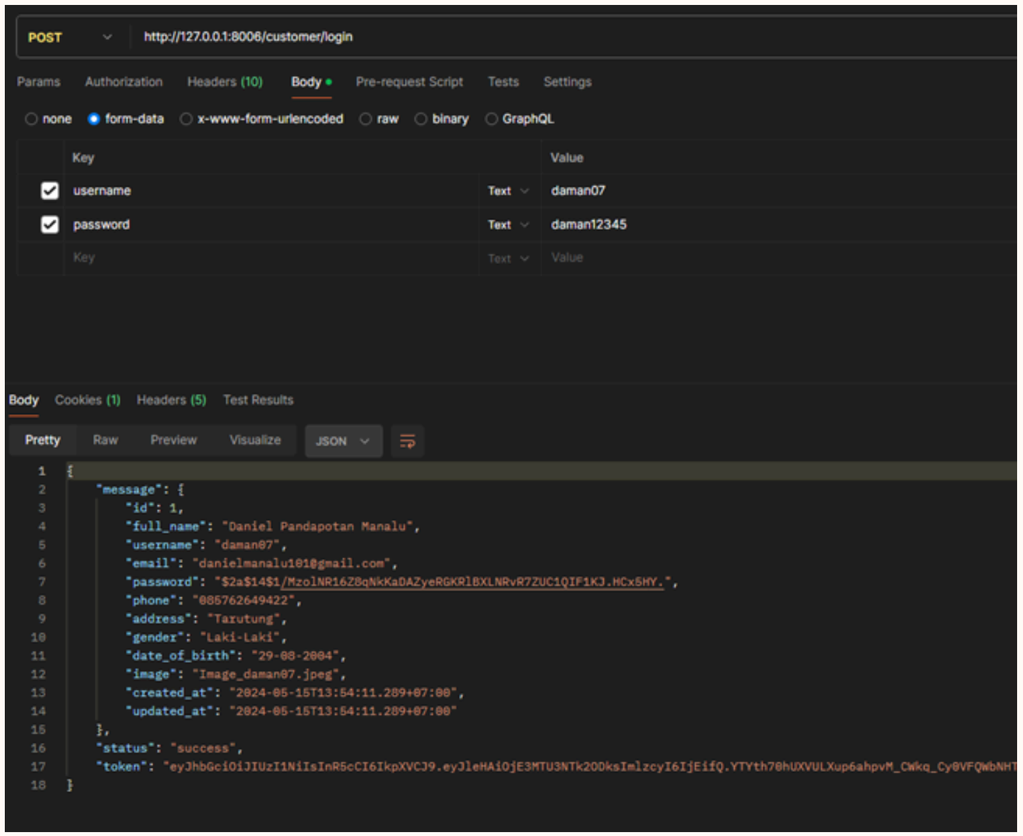

Pengujian Service

AUTENTIKASI CUSTOMER

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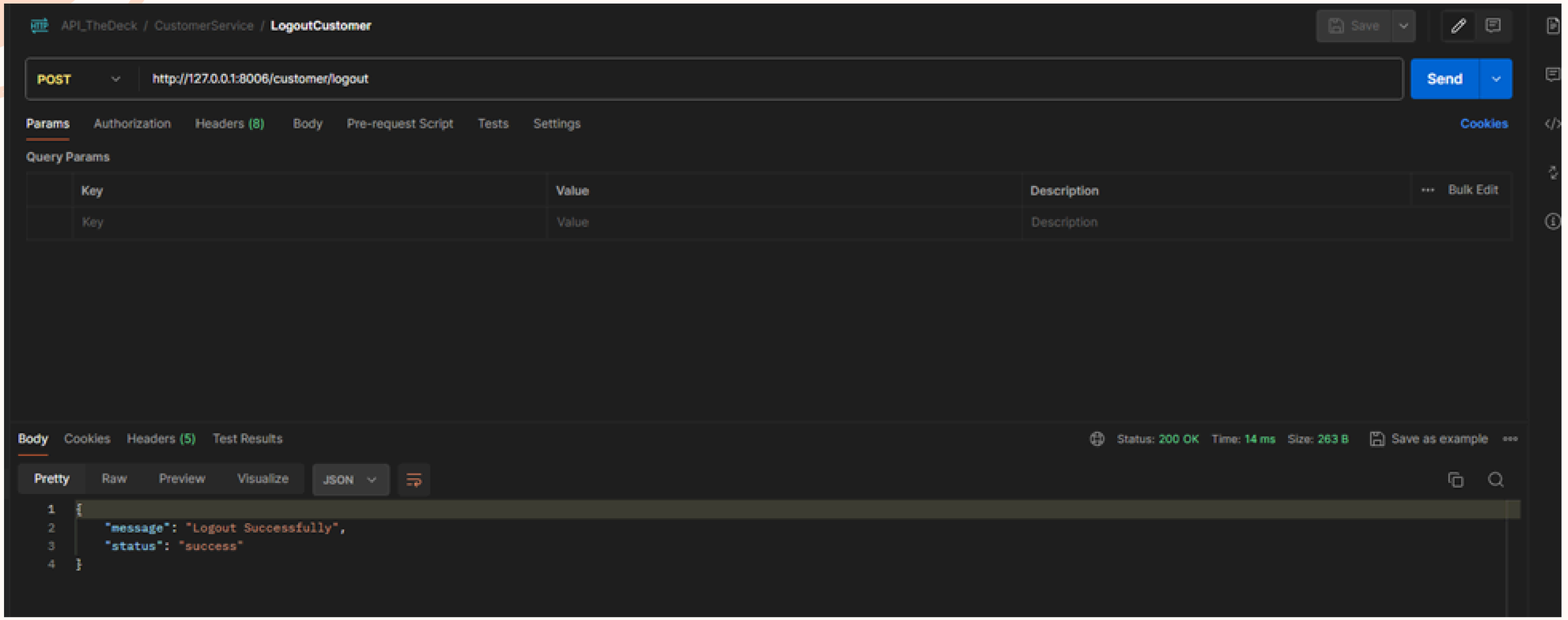

Pengujian Service

PRODUK

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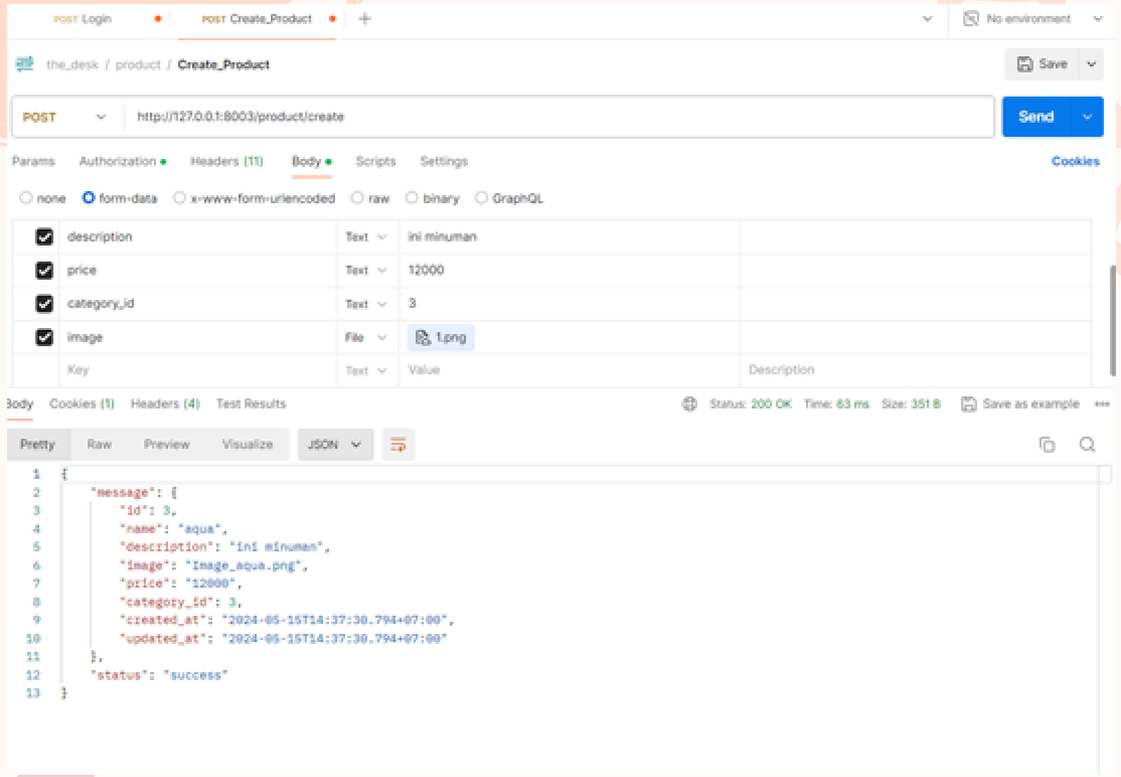

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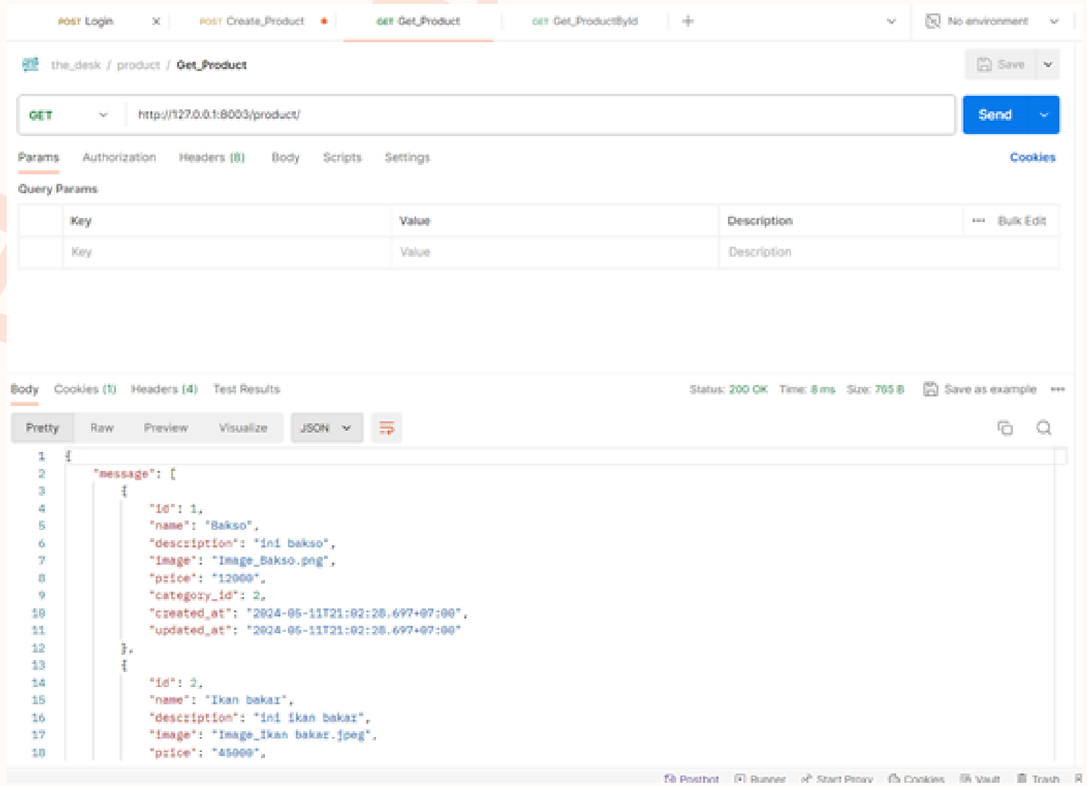
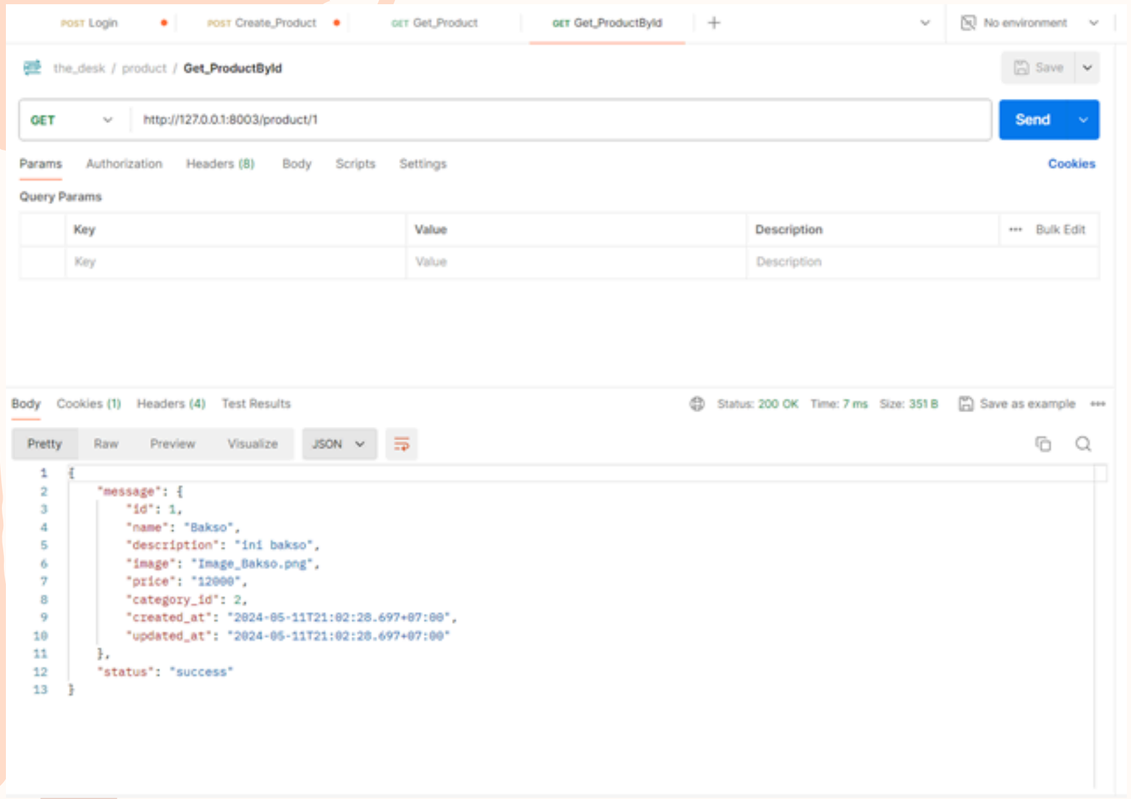


Pengujian Service

PRODUK

GET BY ID



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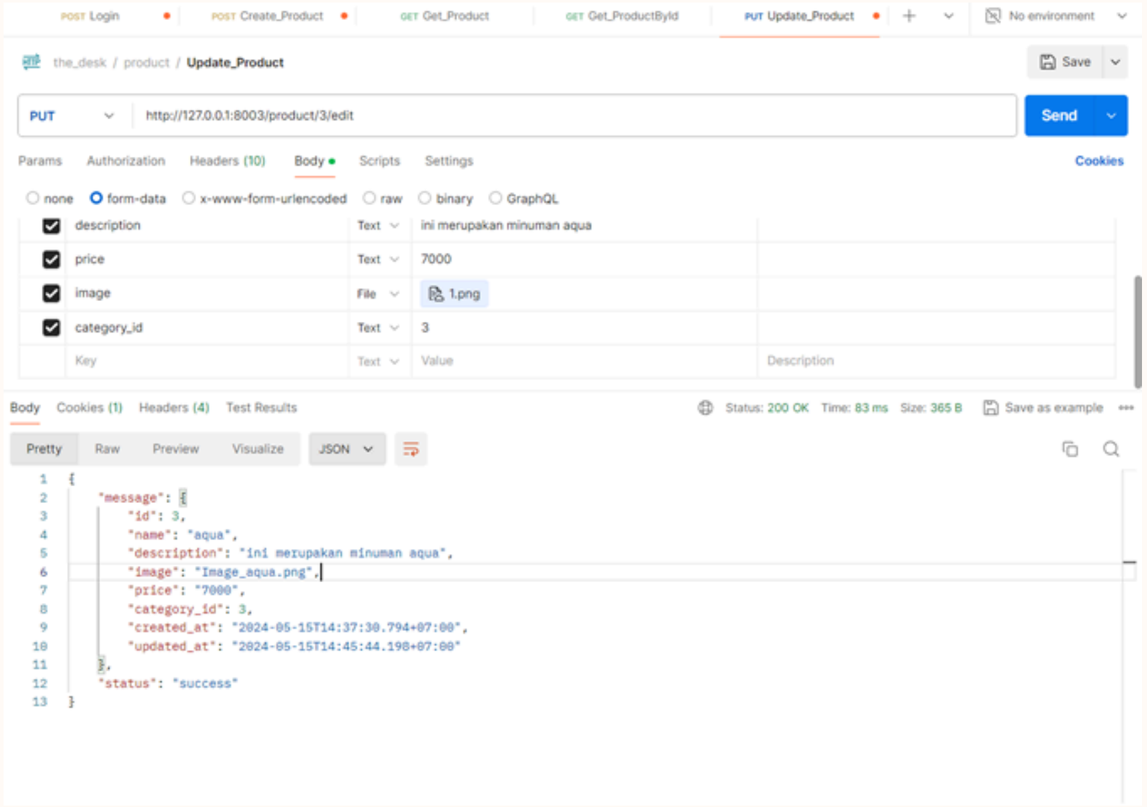

Pengujian Service

PRODUK

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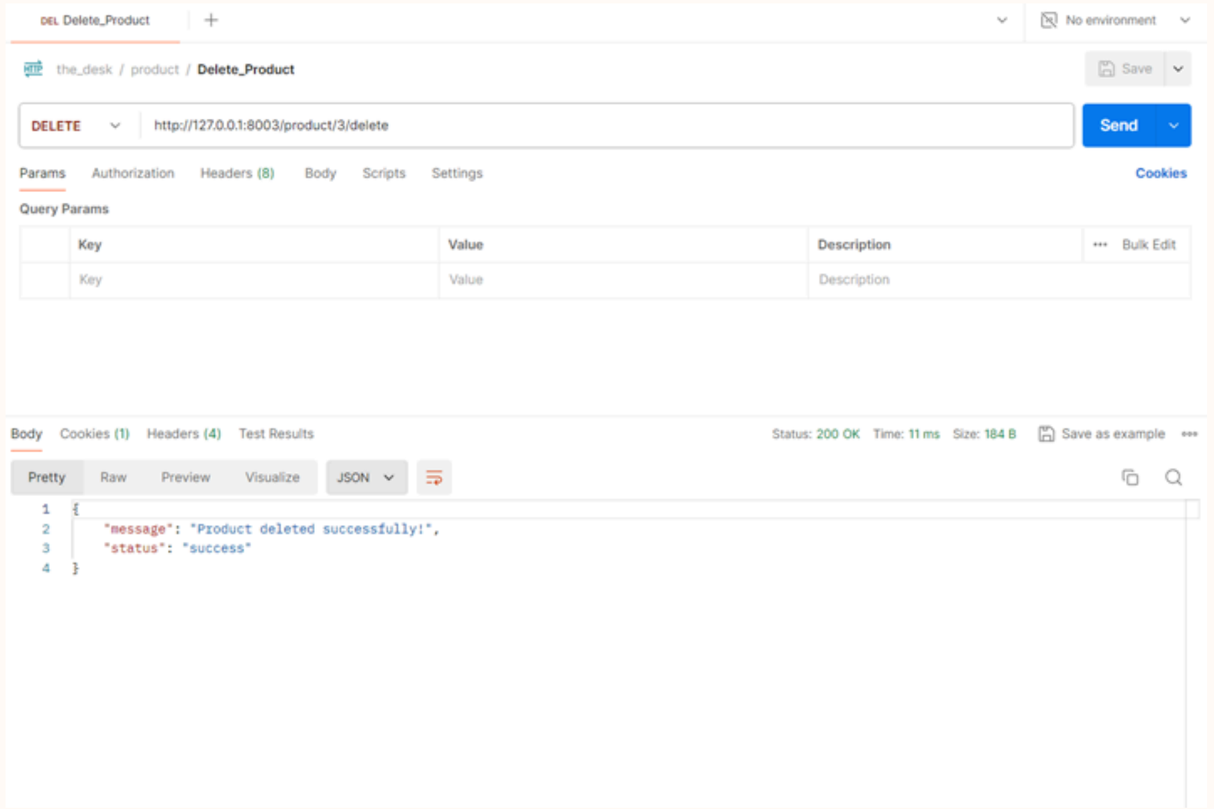
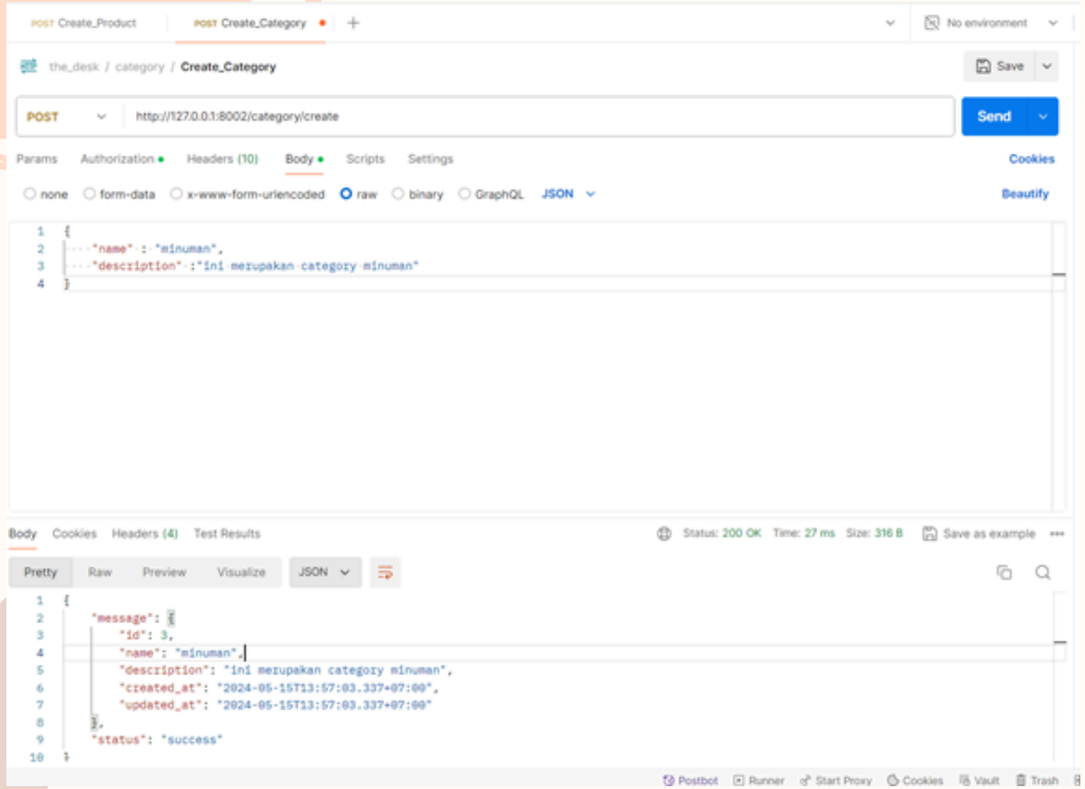


Pengujian Service

CATEGORY ADMIN

CREATE



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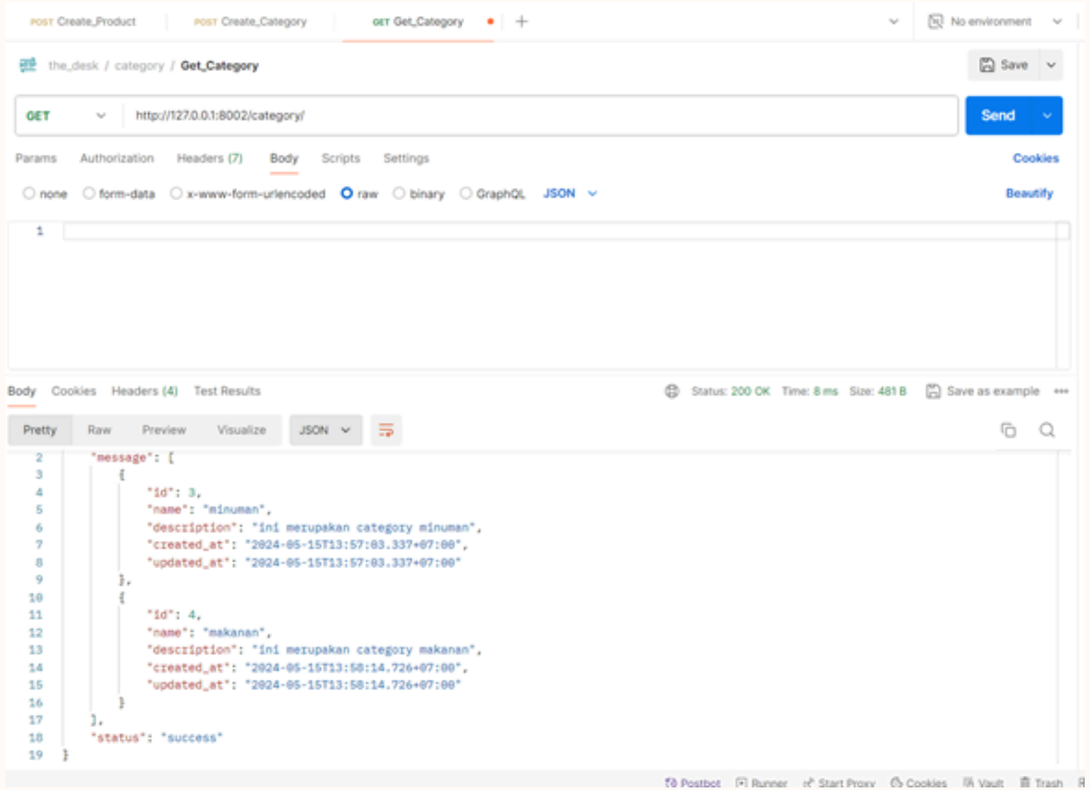
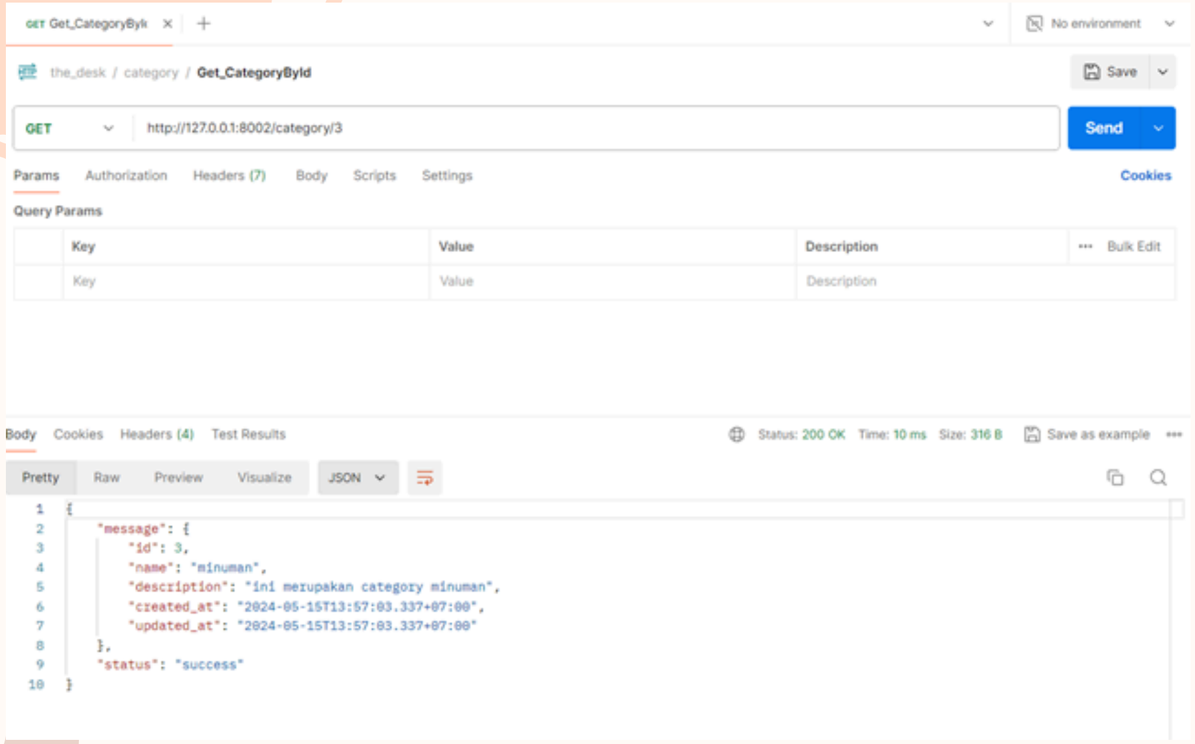


Pengujian Service

CATEGORY ADMIN

GET BY ID



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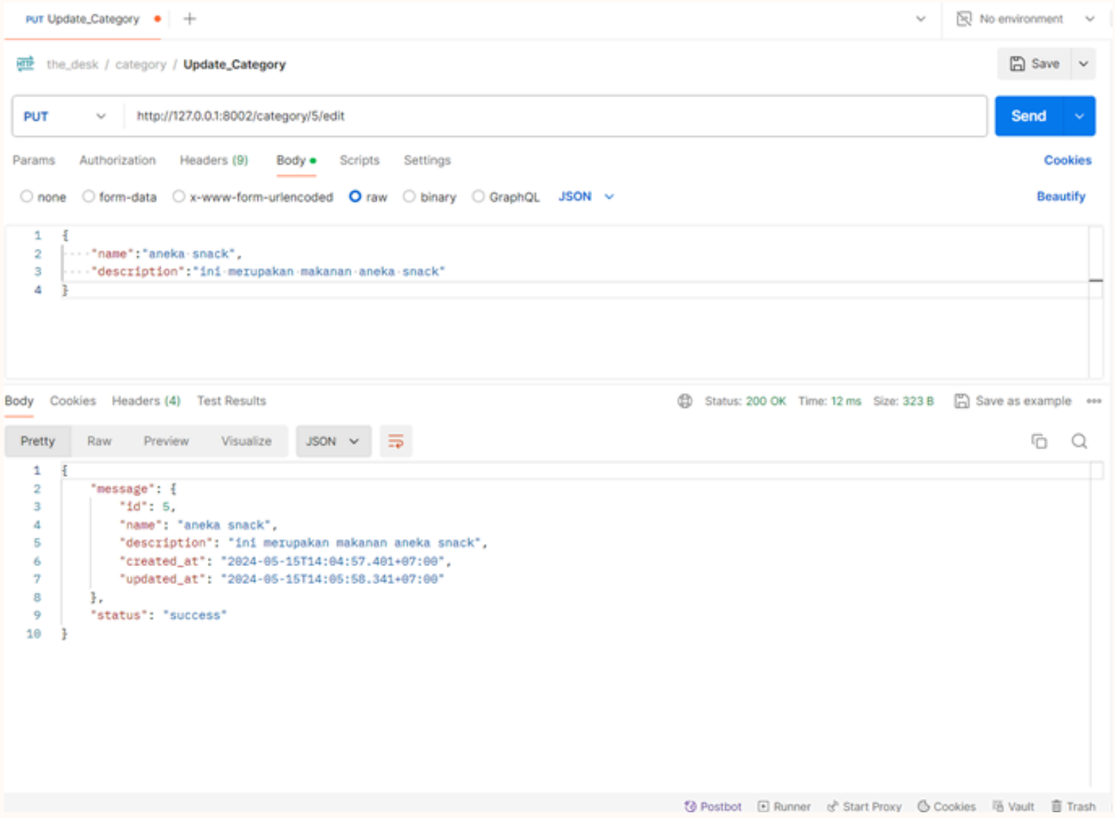

Pengujian Service

CATEGORY ADMIN

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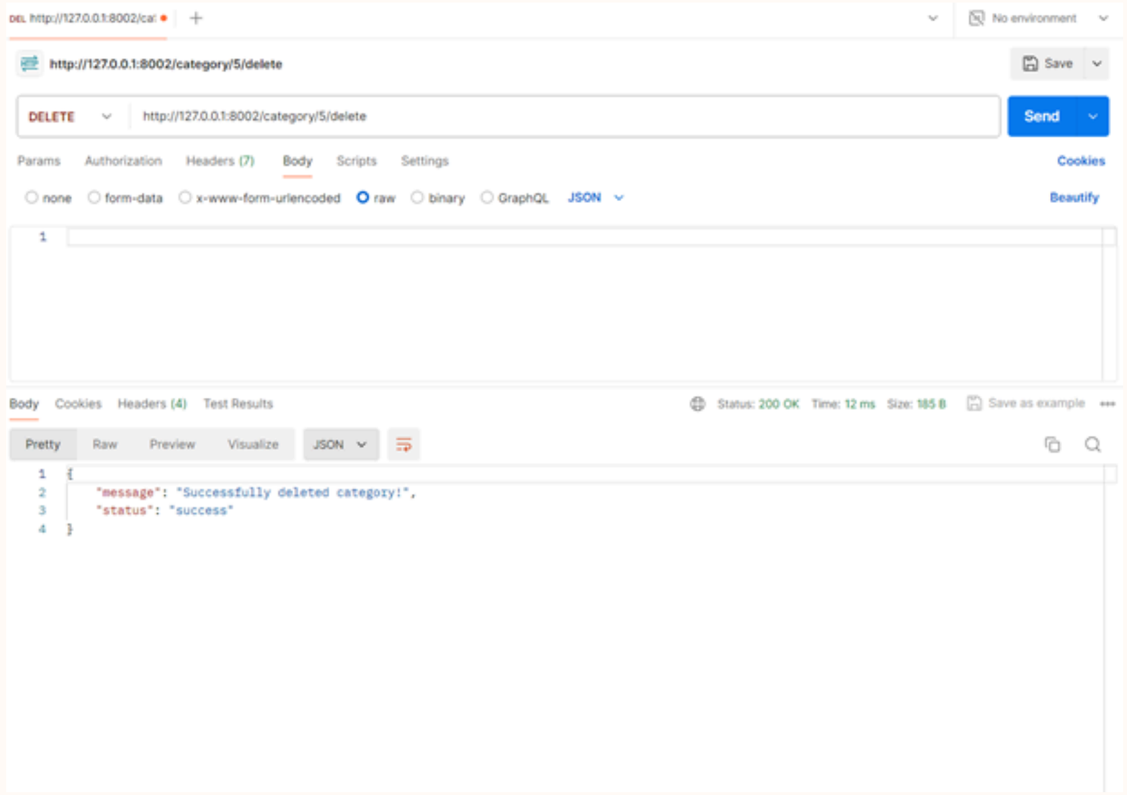
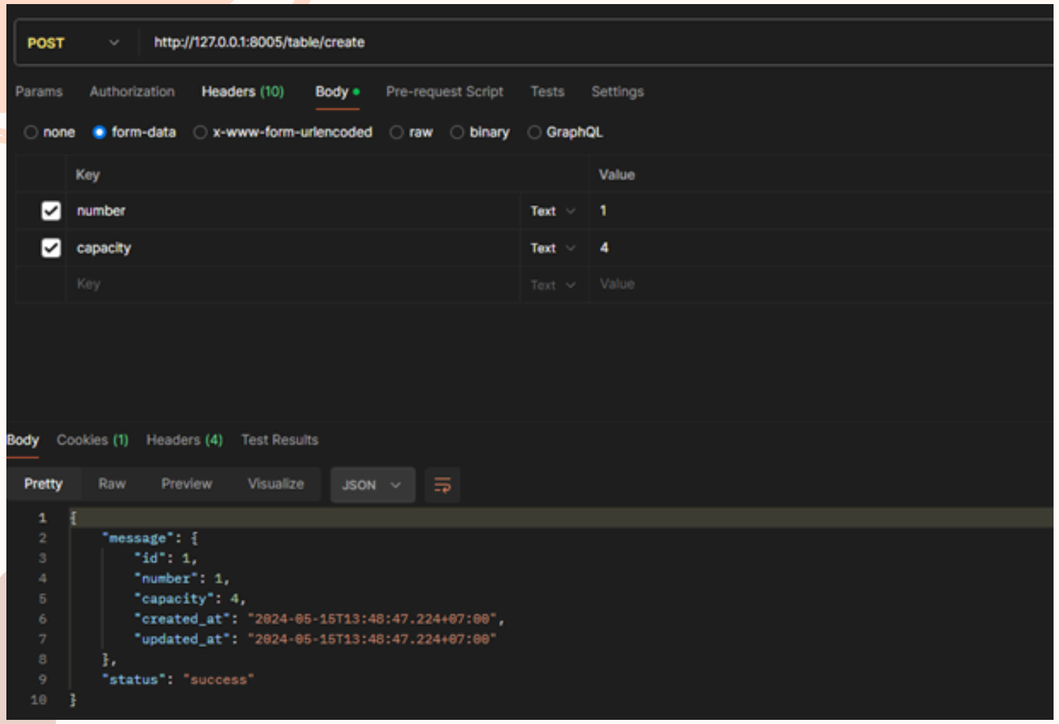


Pengujian Service

TABLE ADMIN

CREATE



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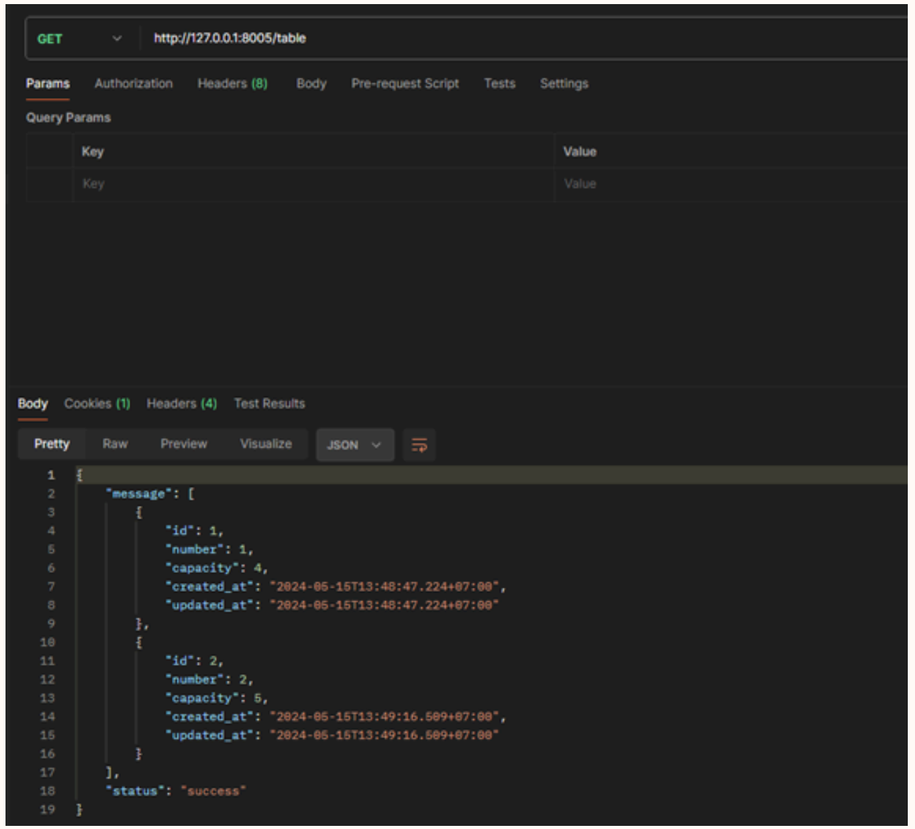

Pengujian Service

TABLE ADMIN

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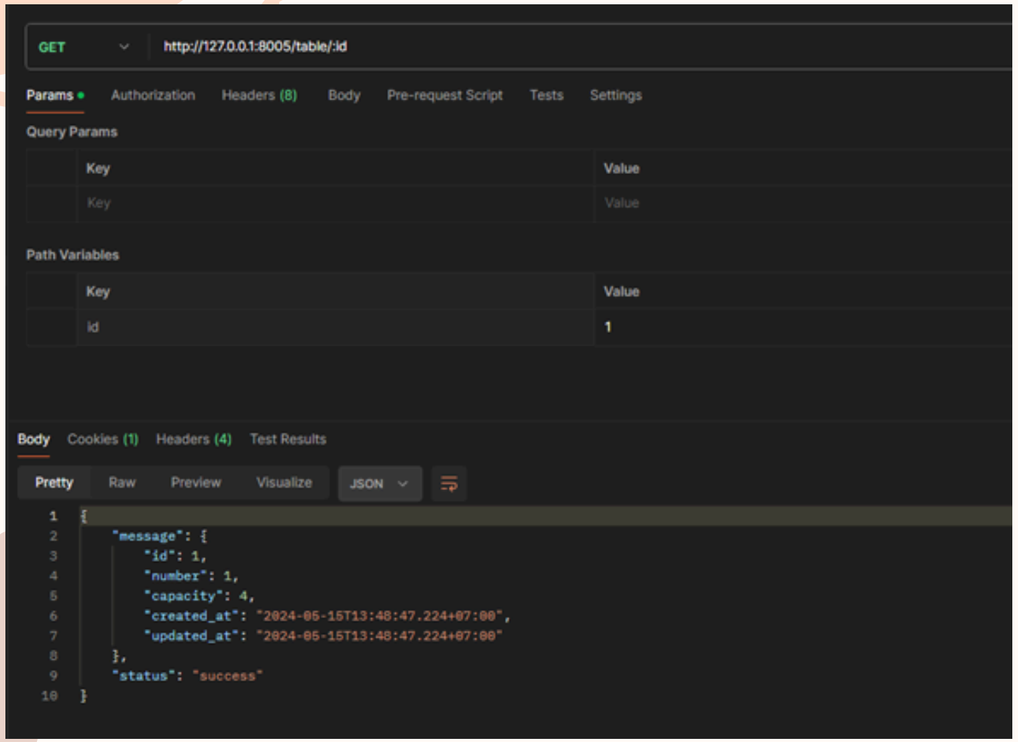

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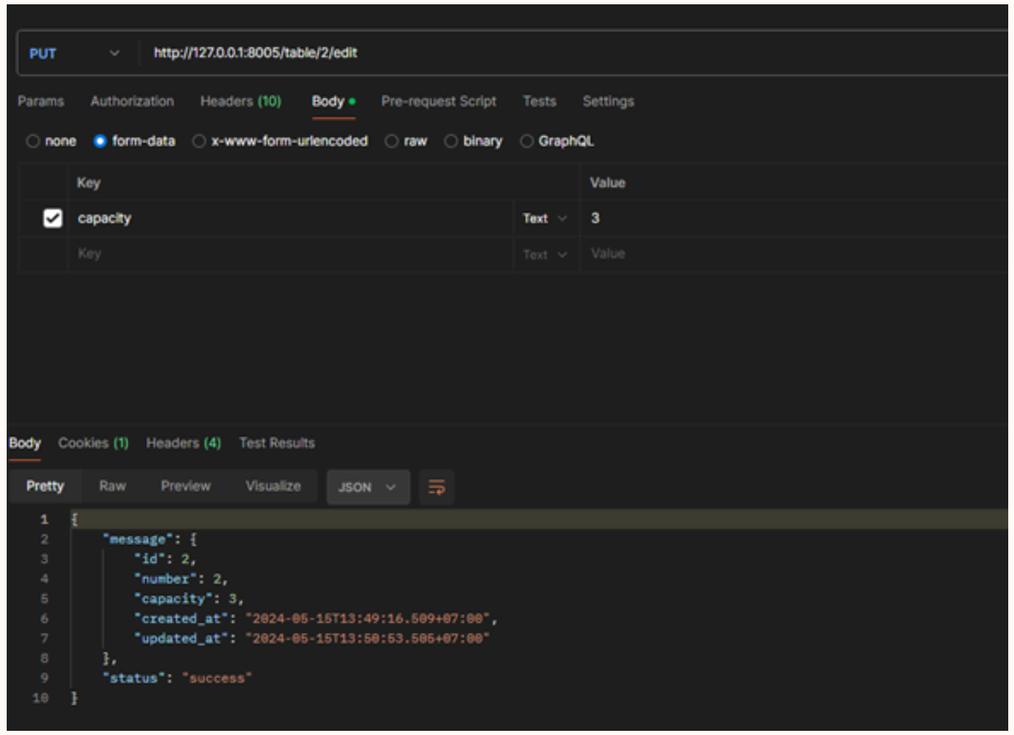

Pengujian Service

TABLE ADMIN

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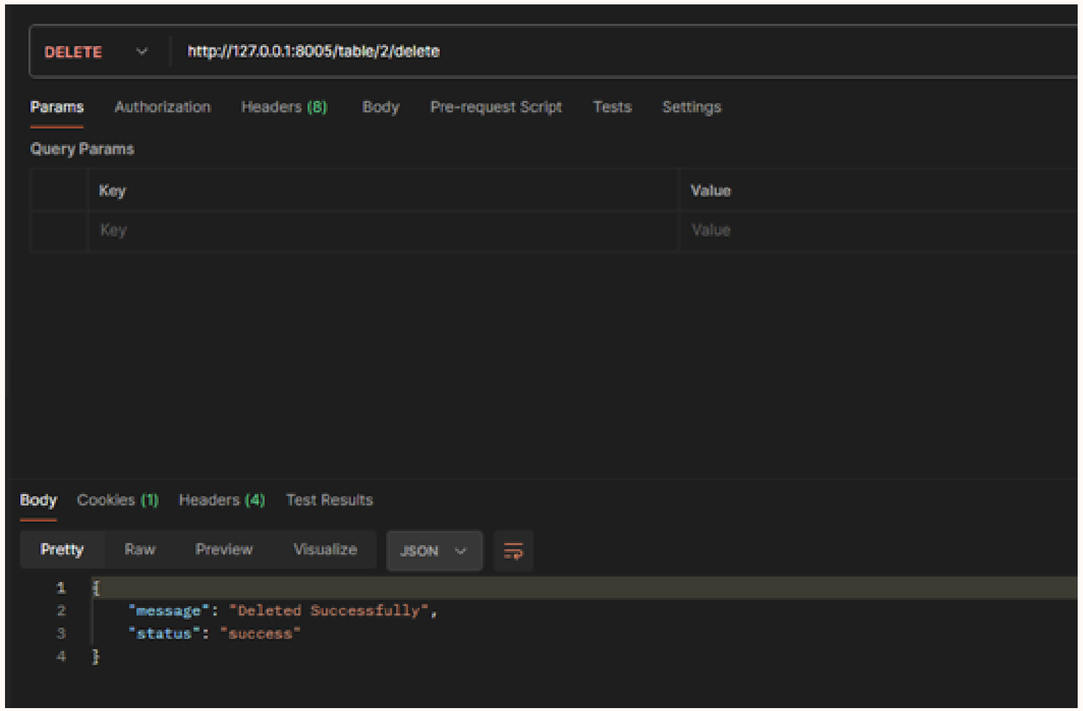
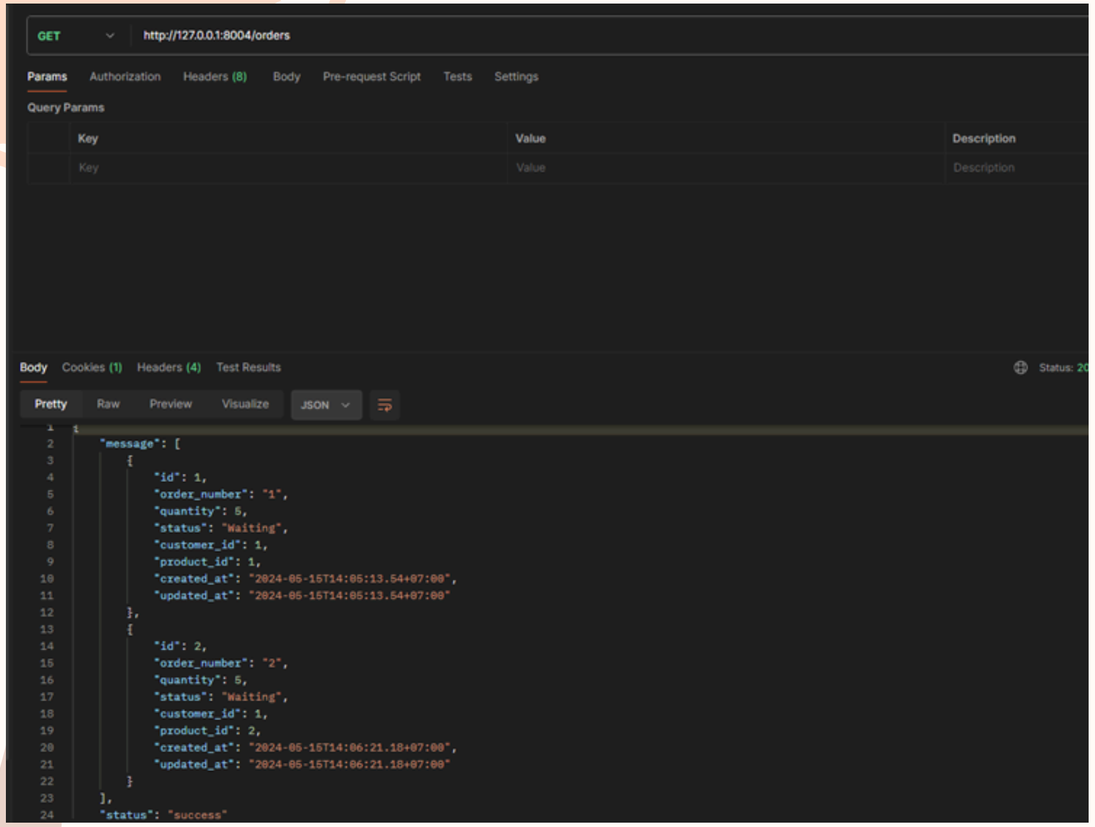


Pengujian Service

MELIHAT ORDER ADMIN

GET ALL



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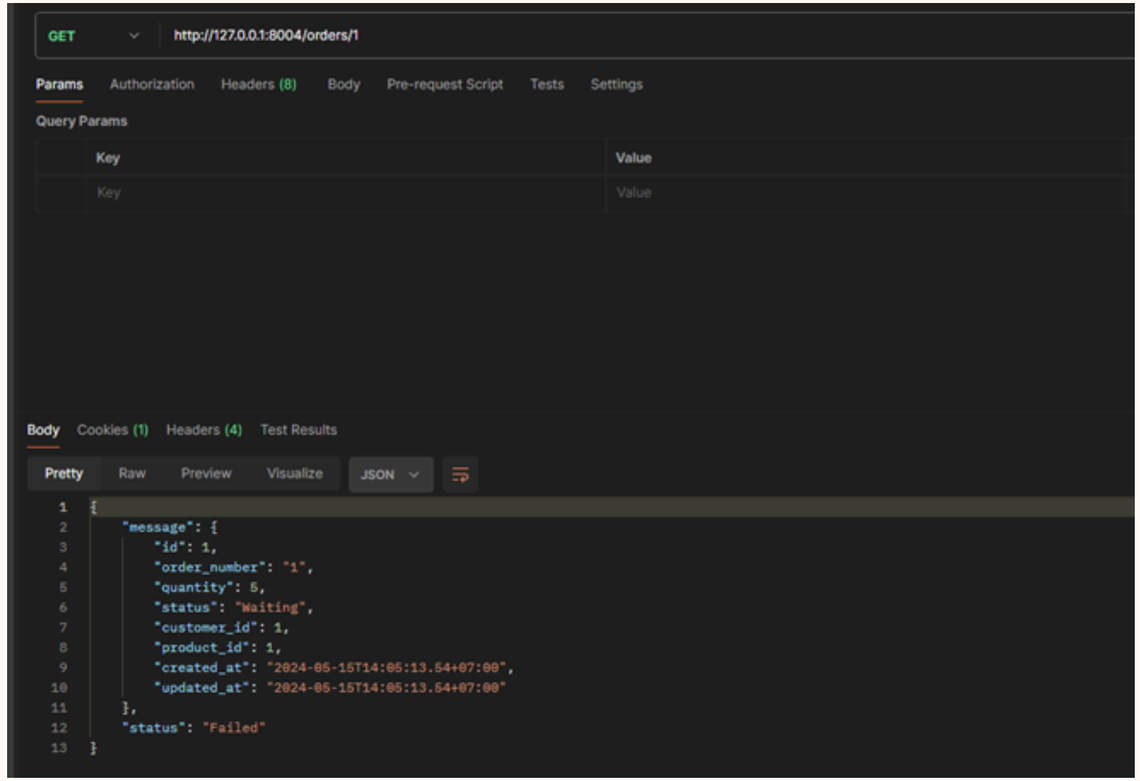

Pengujian Service

MELIHAT PRODUCT CUSTOMER

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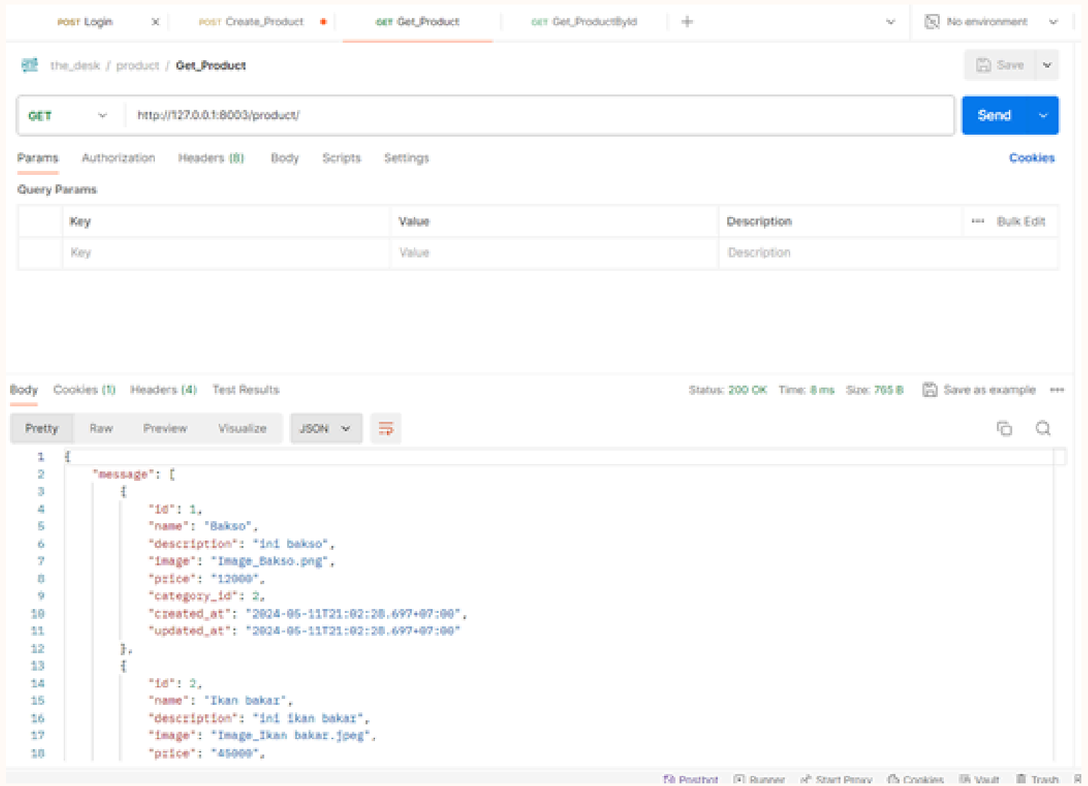
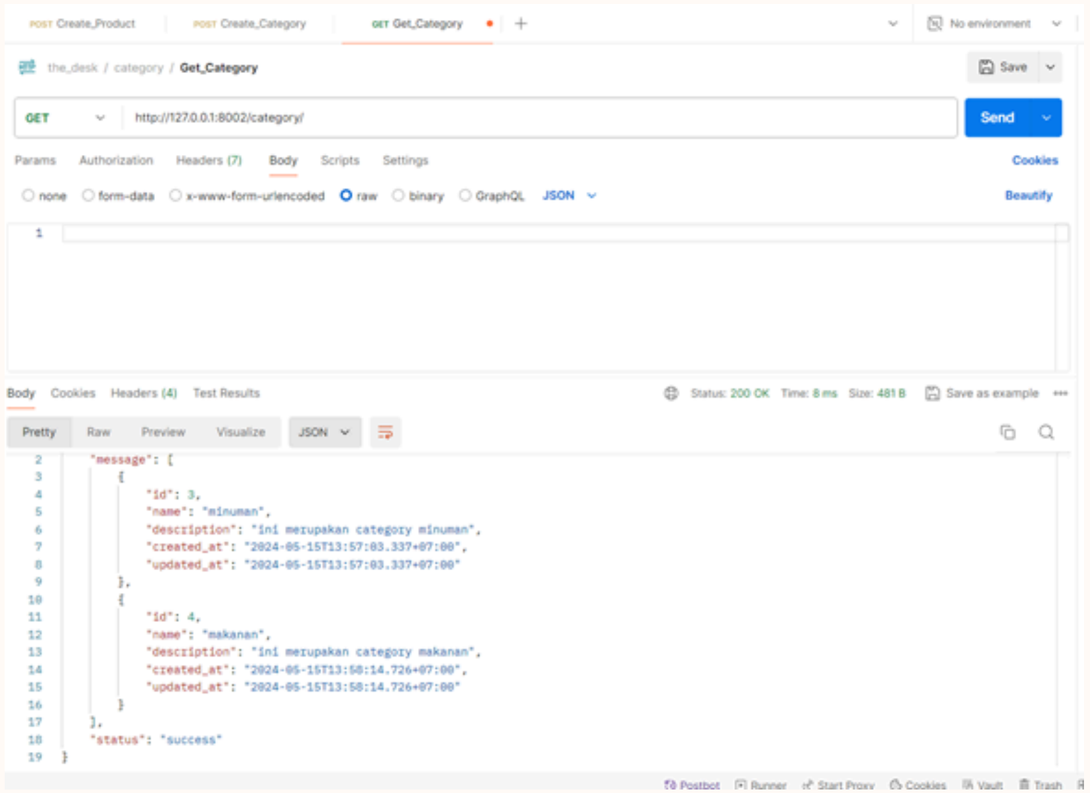


Pengujian Service

MELIHAT CATEGORY CUSTOMER

GET



DEMO

Thank you