

# Exercise API Project

## Backend Programming – Genap 2023/2024

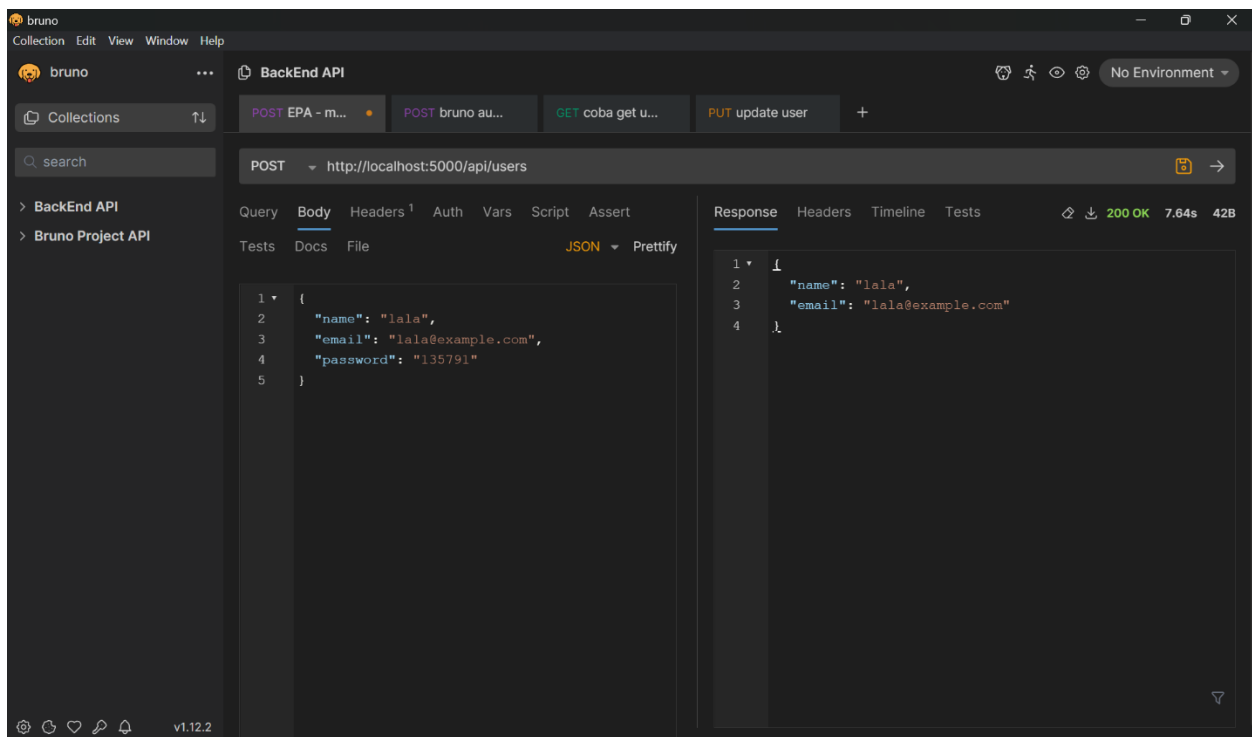
### Soal

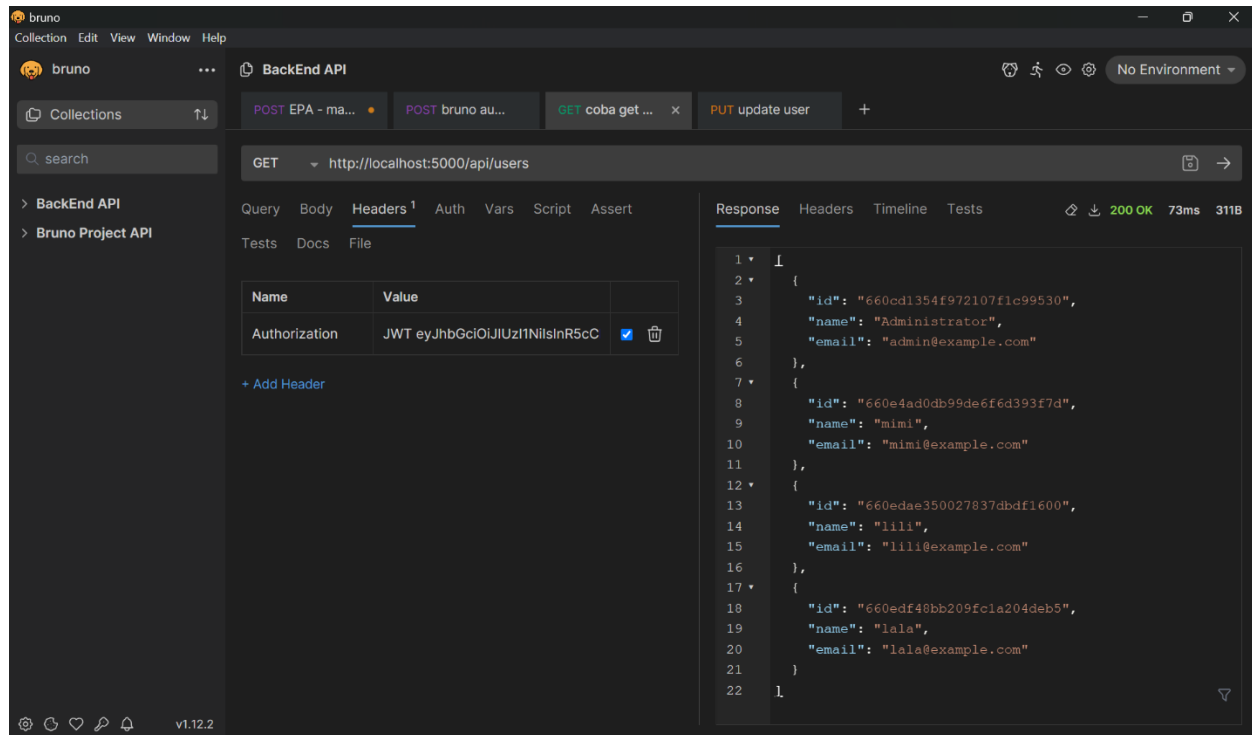
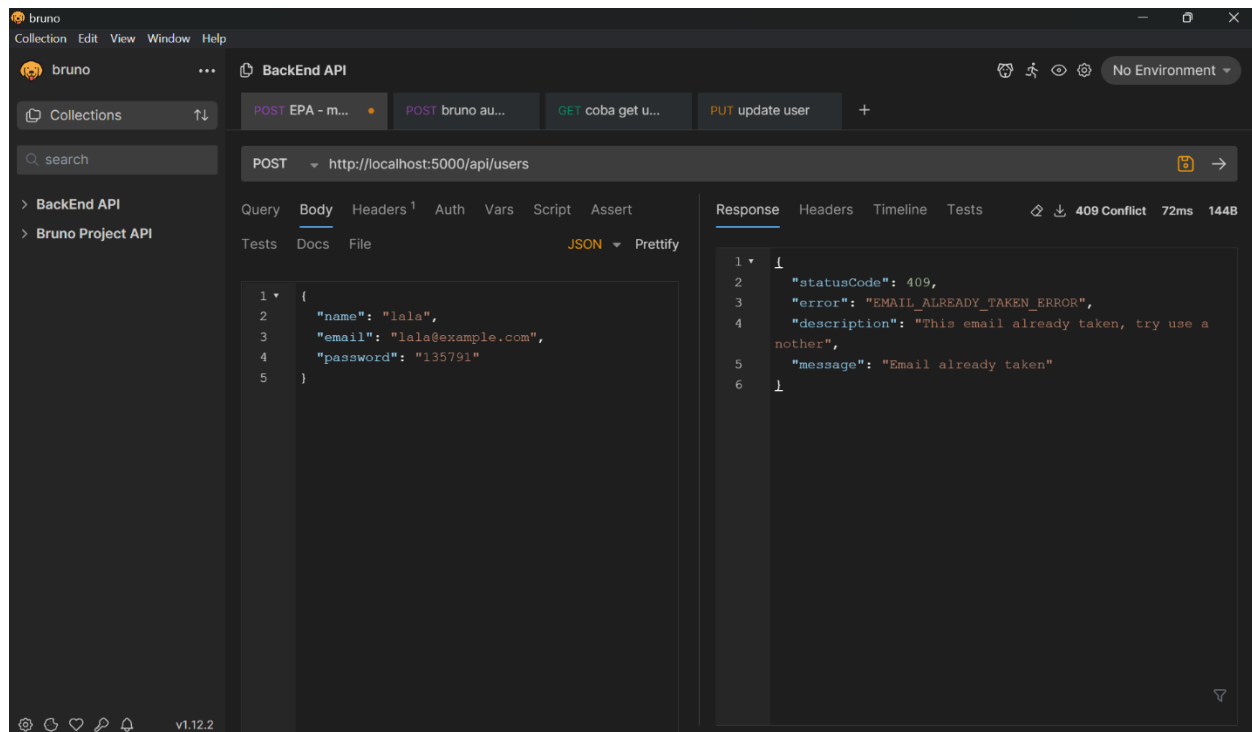
#### 1. Prevent Duplicate Email

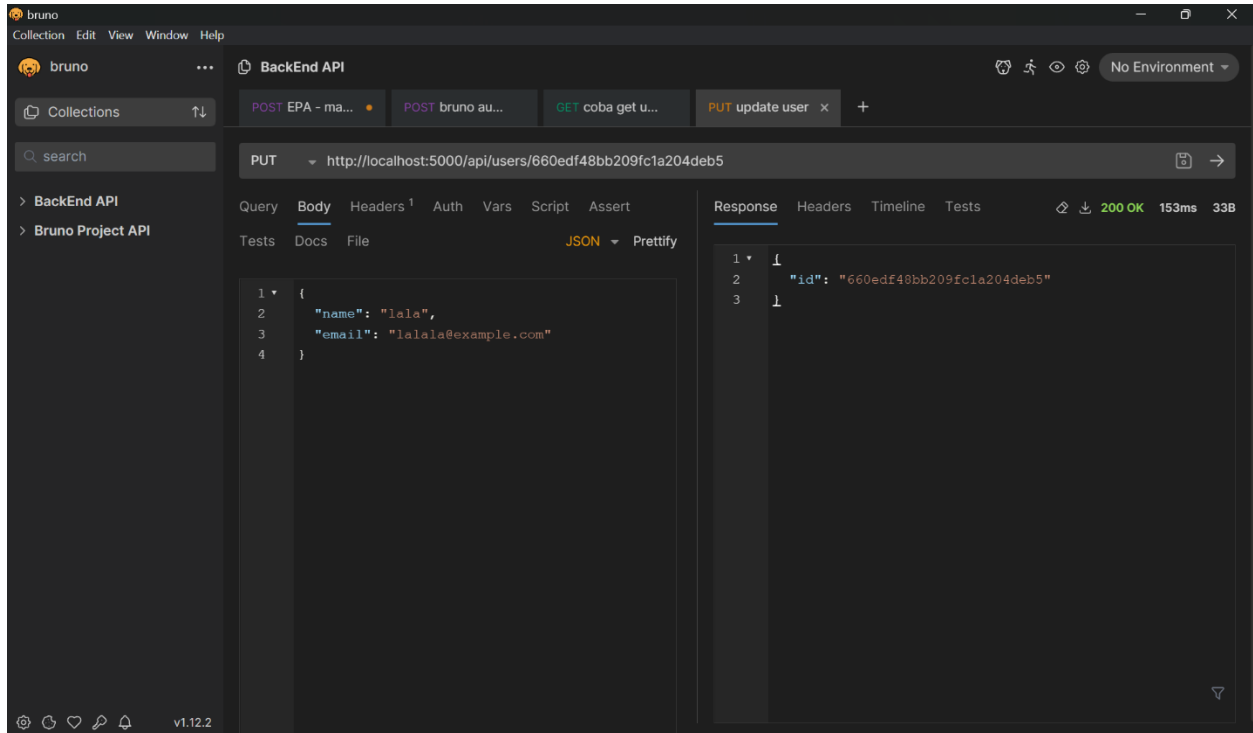
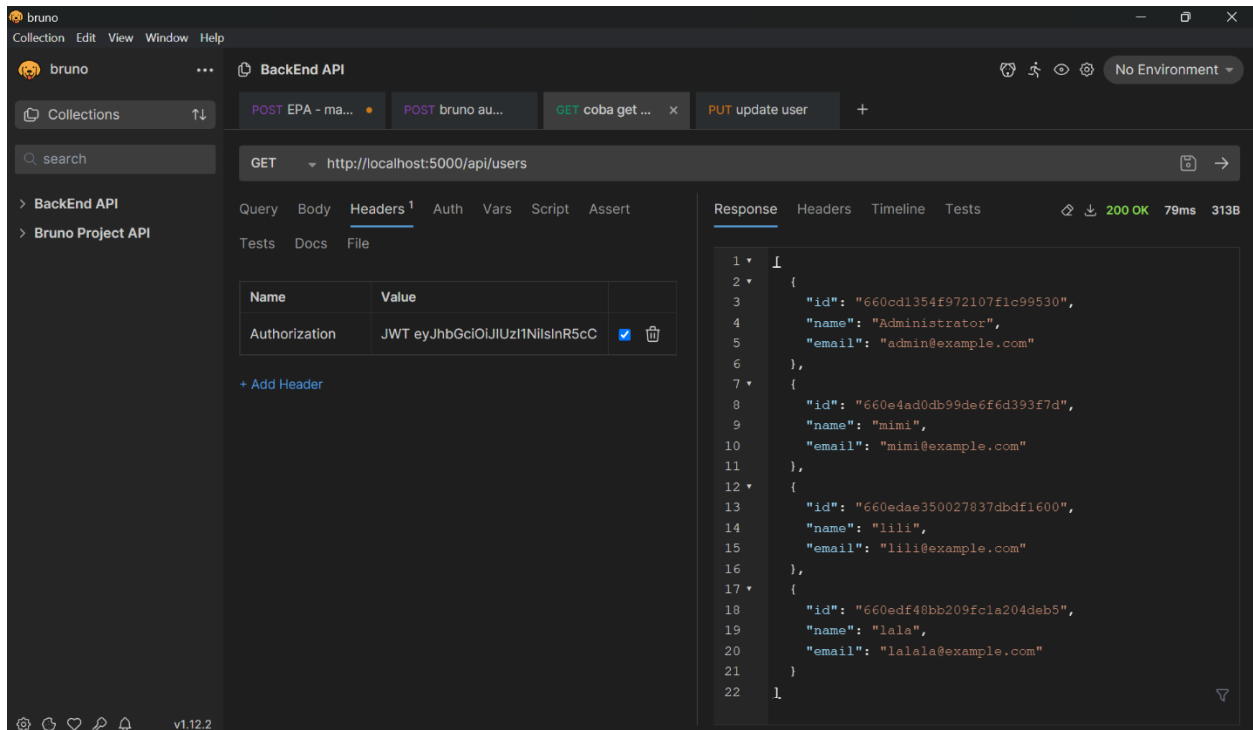
Tambahkan mekanisme pengecekan email pada saat create dan update user. Jika email sudah terdaftar sebelumnya, maka kembalikan error dengan status code 409 (EMAIL\_ALREADY\_TAKEN).

### Hasil screenshot Bruno:

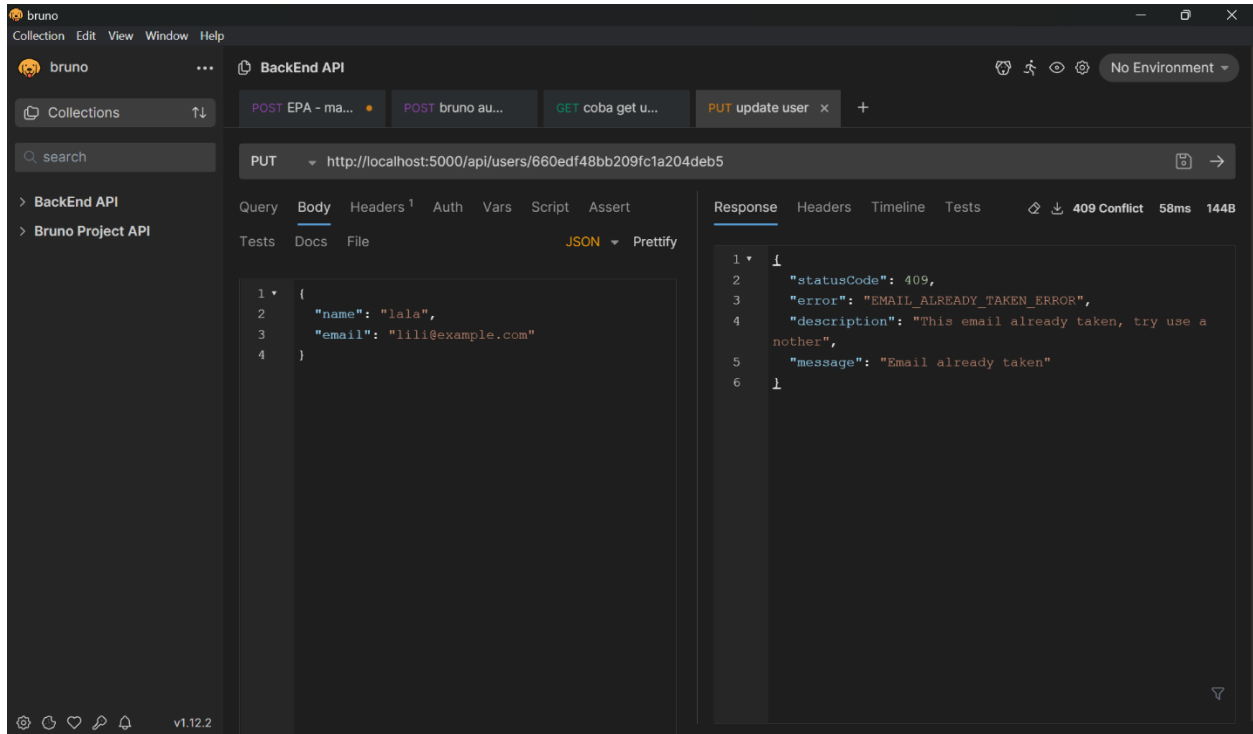
#### 1) **POST** Create User



2) **GET** list of users3) **POST** Create User (EMAIL\_ALREADY\_TAKEN error test (email already used by another account/id))

4) **PUT** Update User5) **GET** list of users after update user

6) **PUT** Update User (EMAIL\_ALREADY\_TAKEN error test (email already used by another account/id))

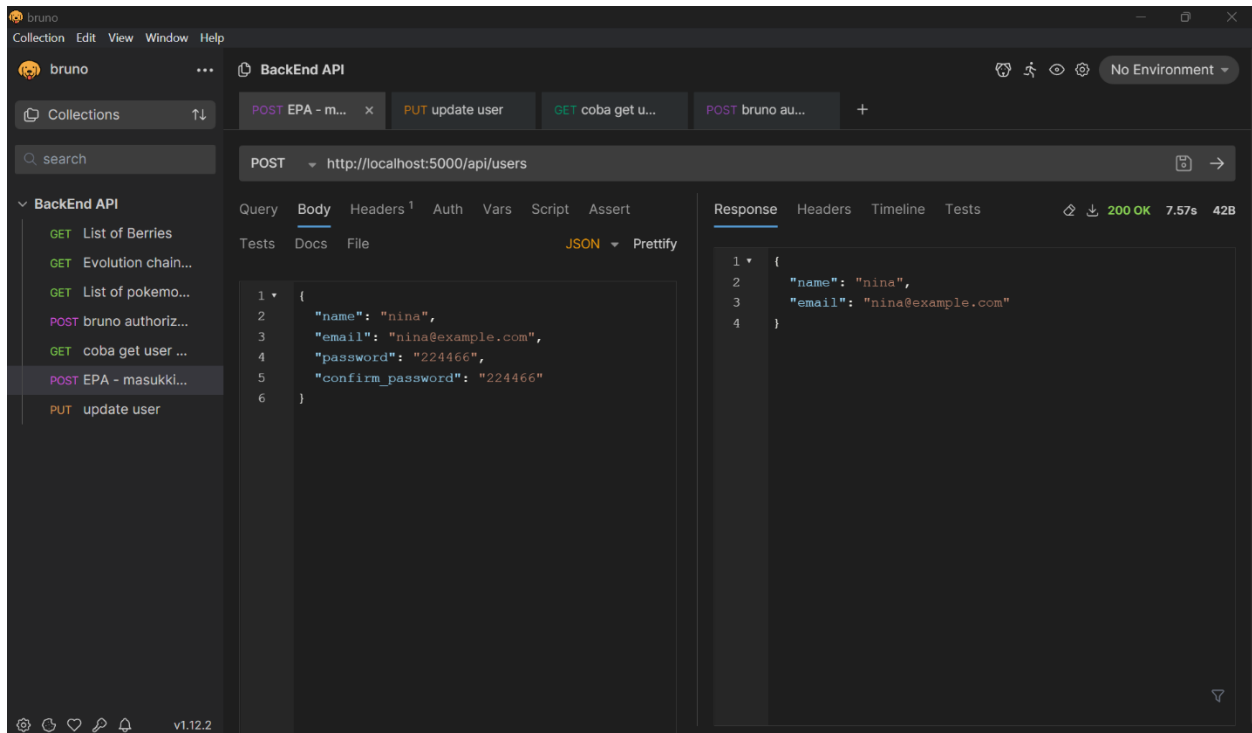


## 2. Confirm Password

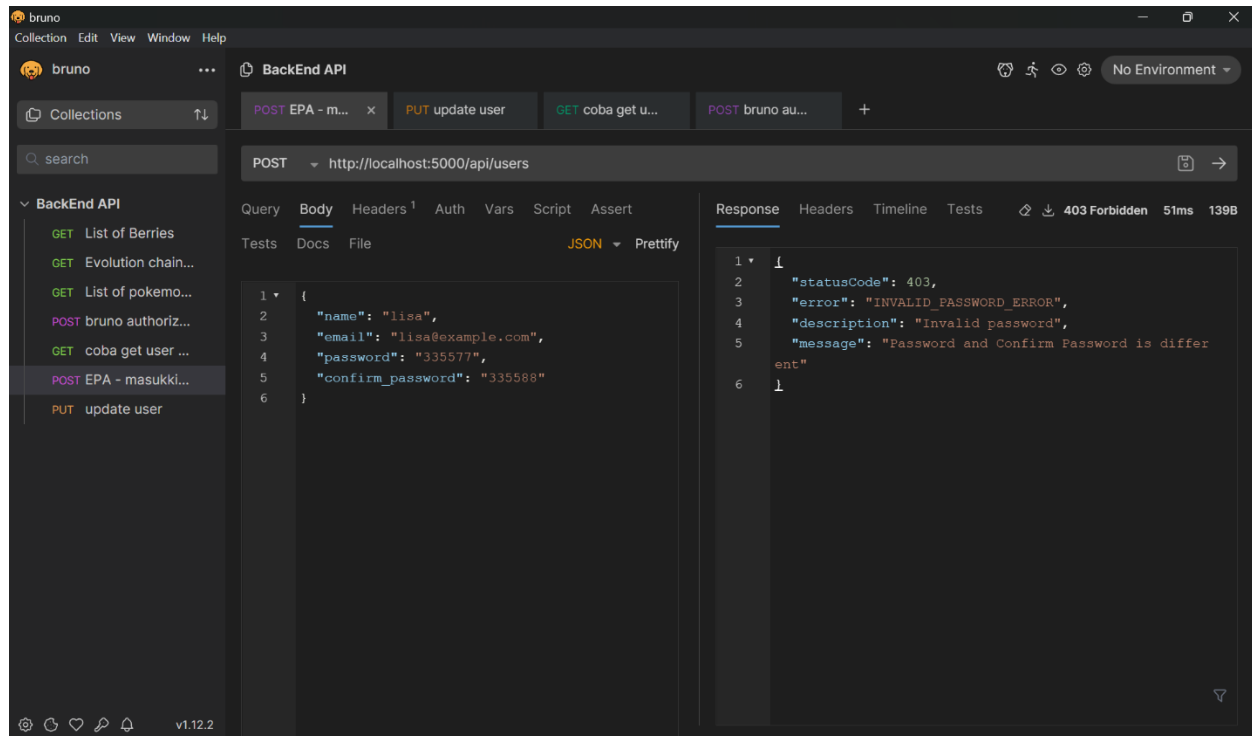
Tambahkan input `password\_confirm` yang perlu diisi pada saat create user baru. Konfirmasi password yang diisi ini harus sama dengan password yang diisi. Jika tidak sama, maka kembalikan error dengan status code 403 (INVALID\_PASSWORD).

### Hasil screenshot Bruno:

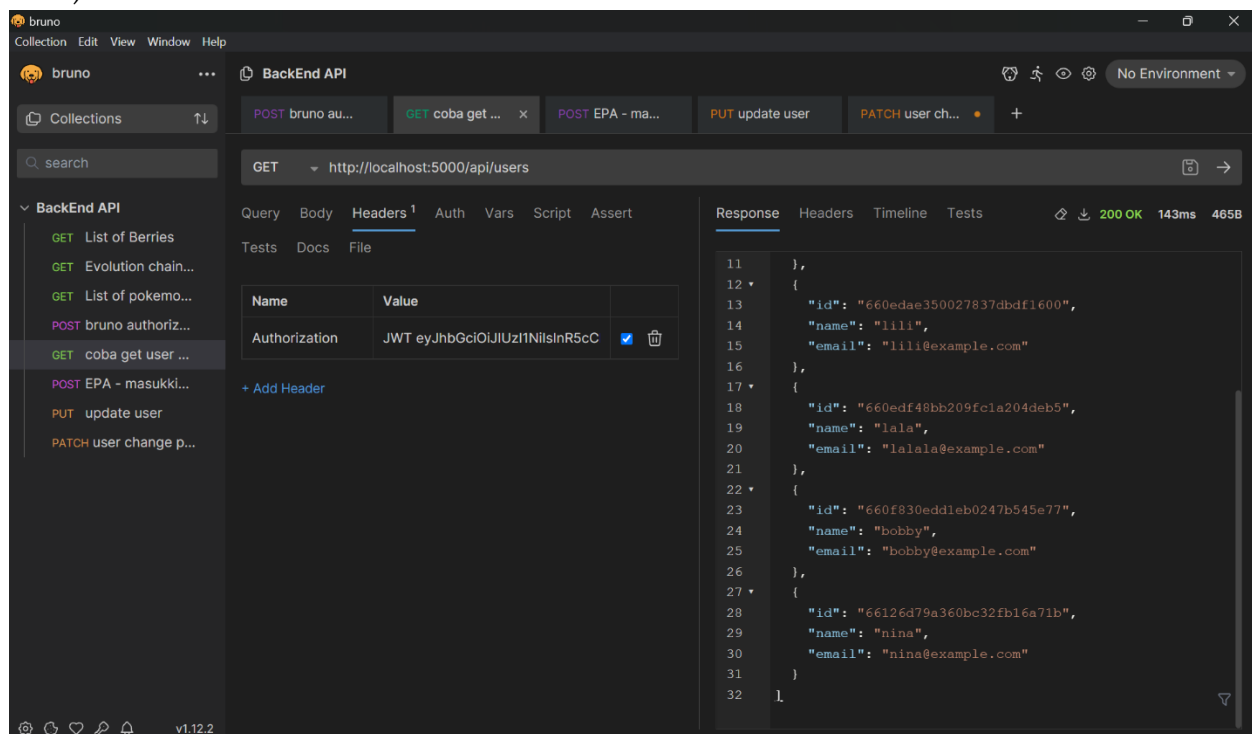
#### 1) **POST** Create User (Confirm Password)



## 2) **POST** Create User (INVALID\_PASSWORD error test (confirm password is different from password))



## 3) **GET** list of users after create user



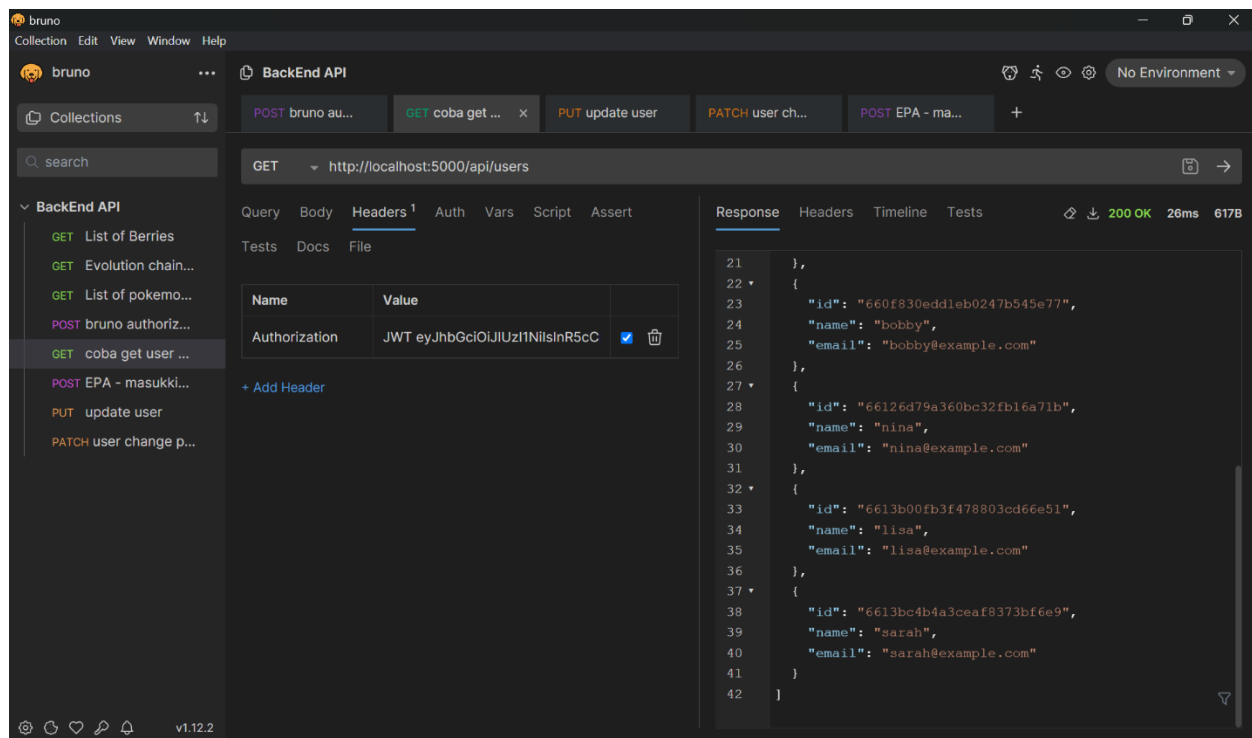
### 3. Change Password

Buatlah endpoint baru PATCH `/users/{id}/change-password` untuk mengubah password user. Input yang harus diisi adalah password lama, password baru, dan konfirmasi password baru. Adapun beberapa hal khusus yang perlu diperhatikan:

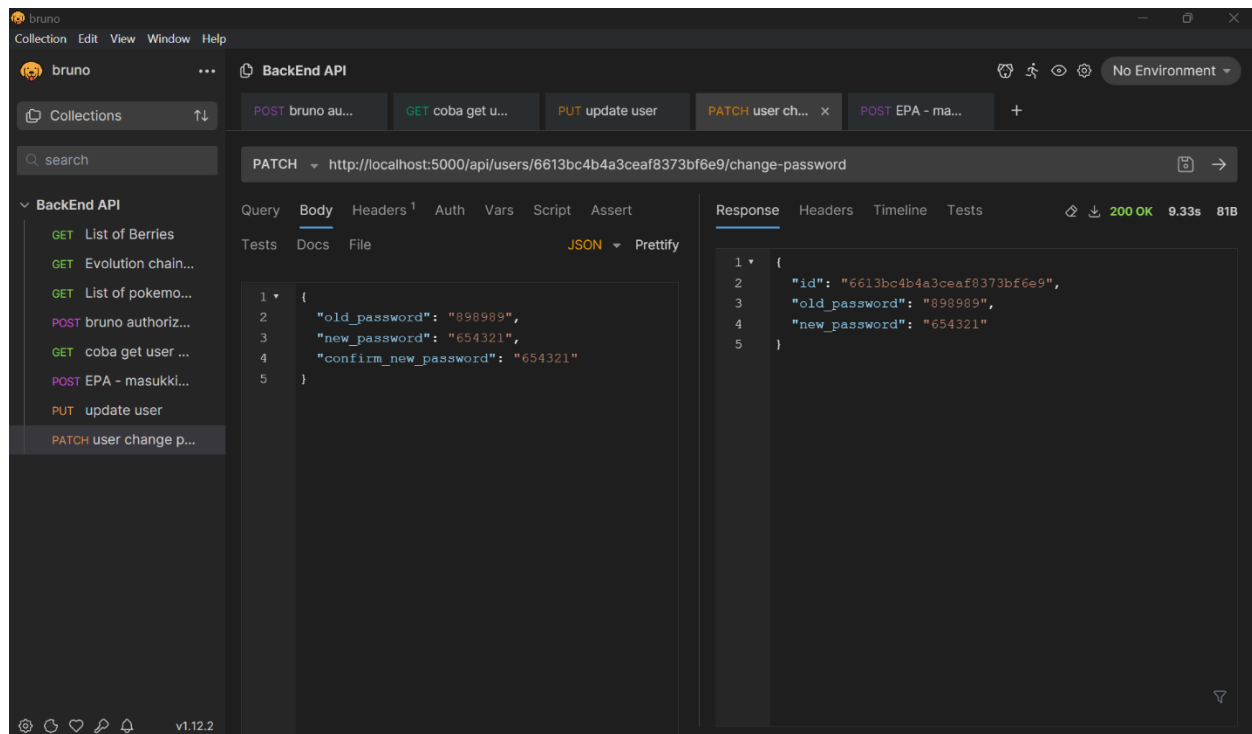
- Password baru memiliki panjang 6 s/d 32 karakter.
- Konfirmasi password baru harus sama dengan password baru.
- Password lama harus sama dengan password saat ini.

### Hasil screenshot Bruno:

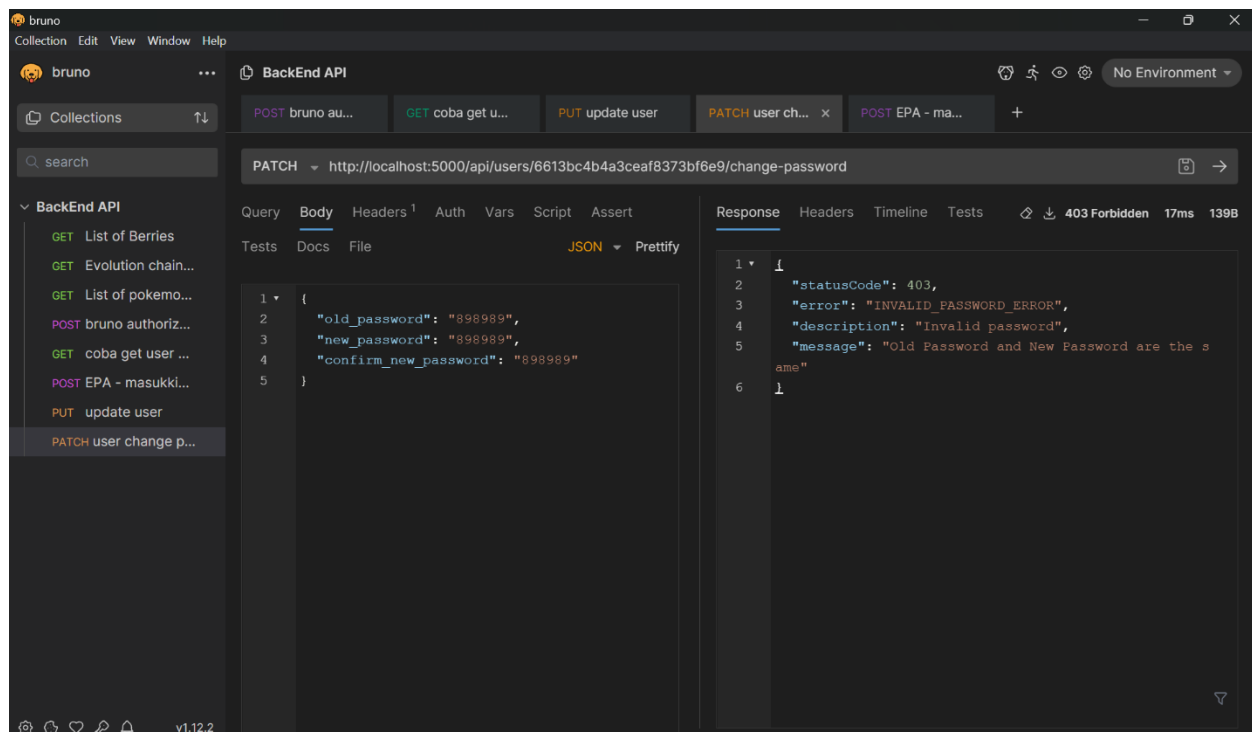
- 1) **GET** list of users (untuk melihat id sarah yang akan dipakai)



## 2) PATCH Change Password

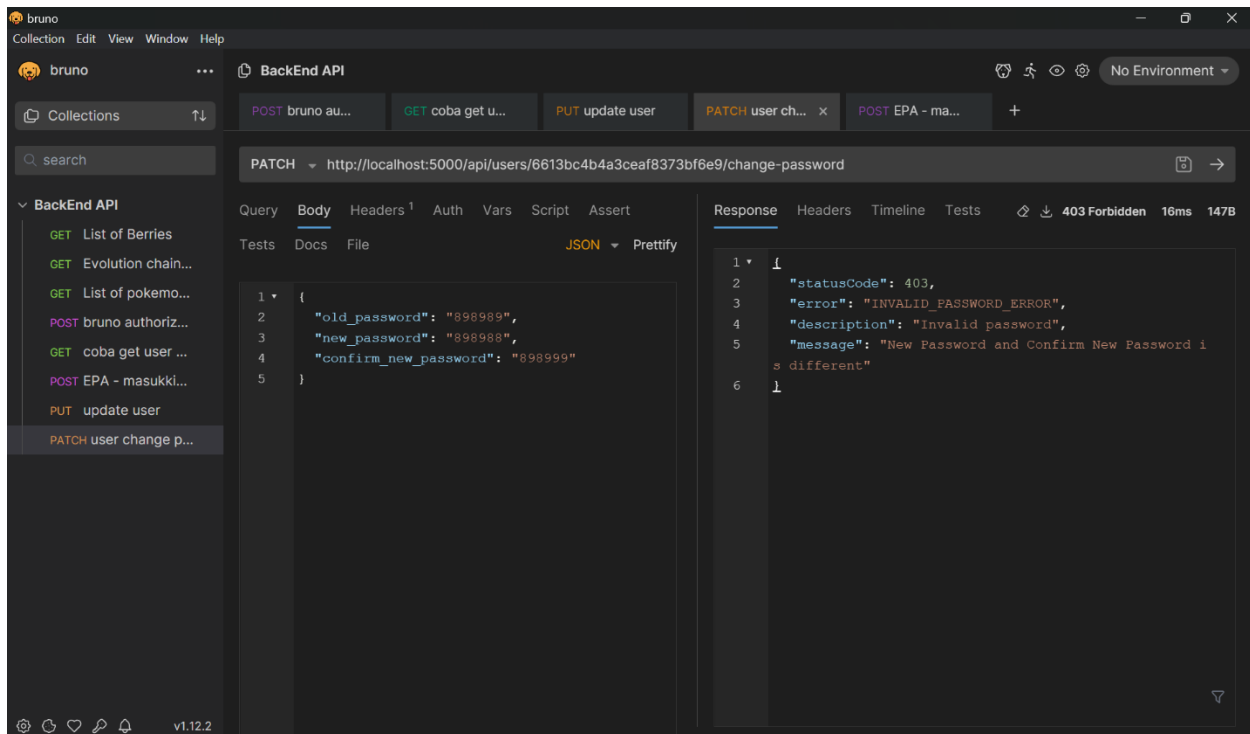


## 3) PATCH Change Password (INVALID\_PASSWORD error test (new password is the same as the old password))





- 4) **PATCH** Change Password (INVALID\_PASSWORD error test (confirm new password is different from new password))



- 5) **PATCH** Change Password (INVALID\_PASSWORD error test (wrong old password))

