

Mata Kuliah : Pemrograman Mobile

Nama : Rangga Saputra Hari Pratama,  
Rayhan Muhammad S,  
Muhammad yusuf rahmatullah

NIM : 202110370311182,  
202110370311028,  
202110370311158

Kelas : 5 C

---

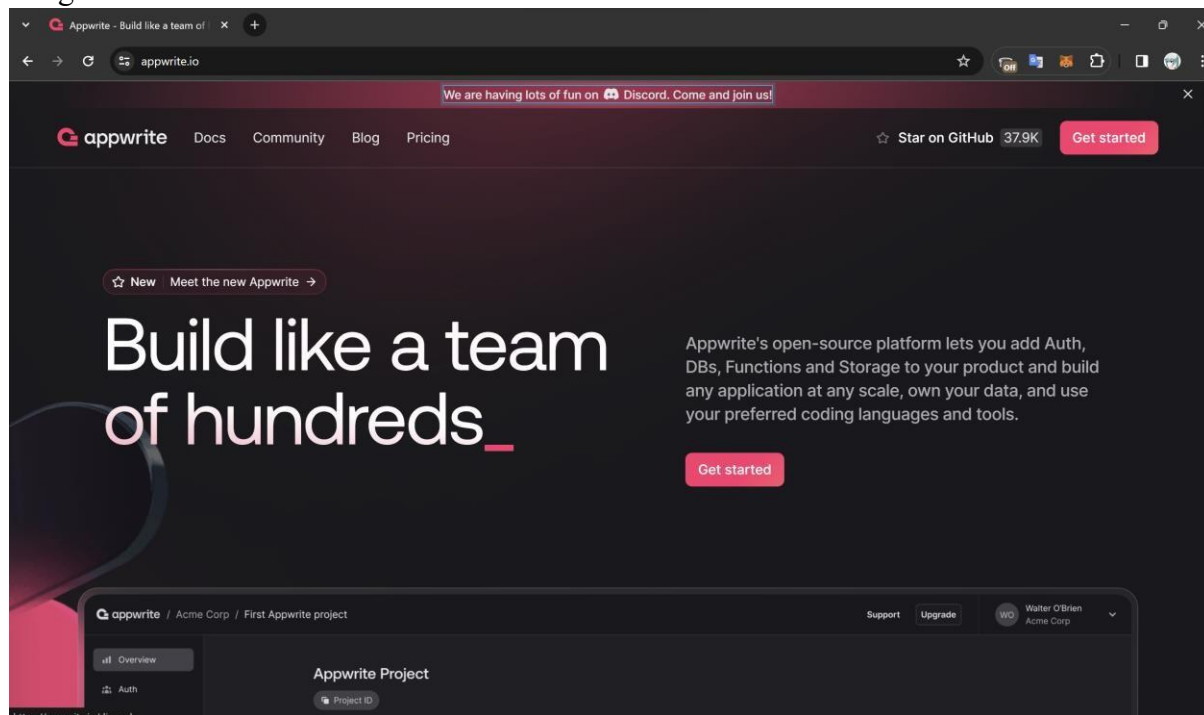
## Laporan Latihan Praktikum

### A. Setup dan Instalasi Appwrite

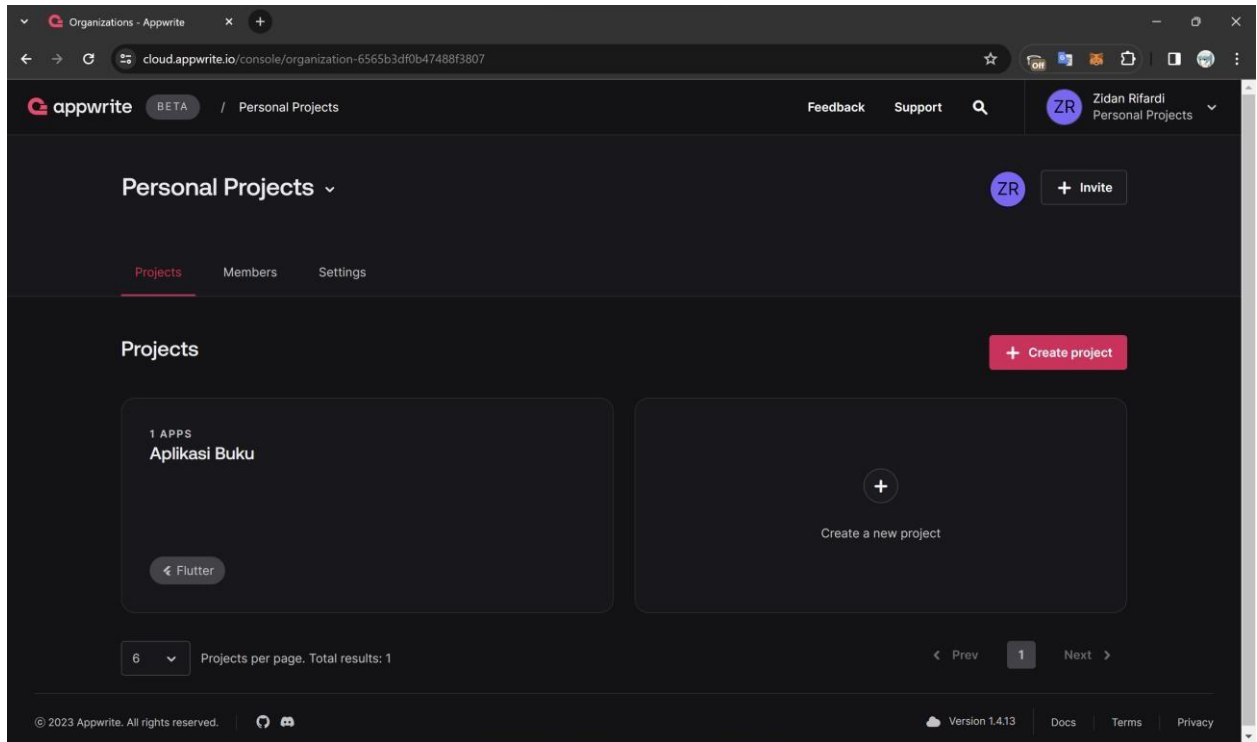
1. Lakukan setup dan instalasi Appwrite ke project Anda.
2. Boleh menggunakan Local maupun Cloud

Penjelasan :

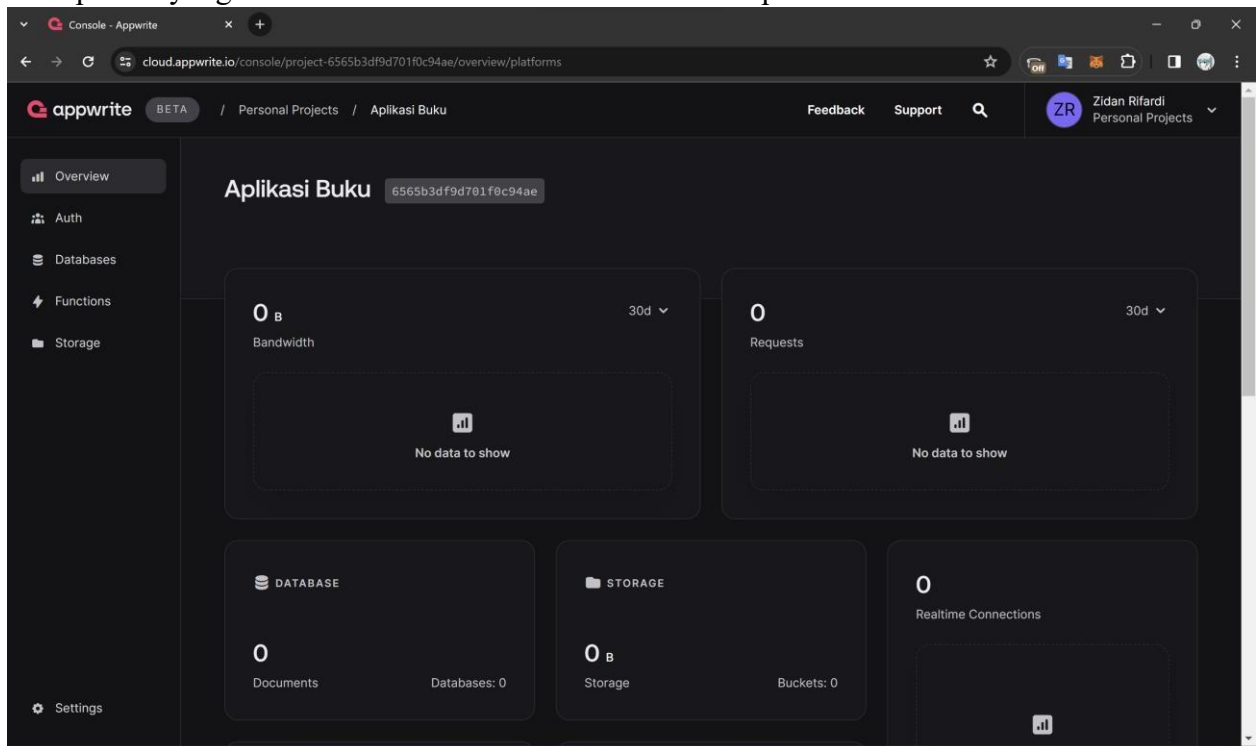
Untuk melakukan Setup Appwrite (Metode Cloud), pertama, kunjungi website [appwrite.io](https://appwrite.io) dan klik get started.



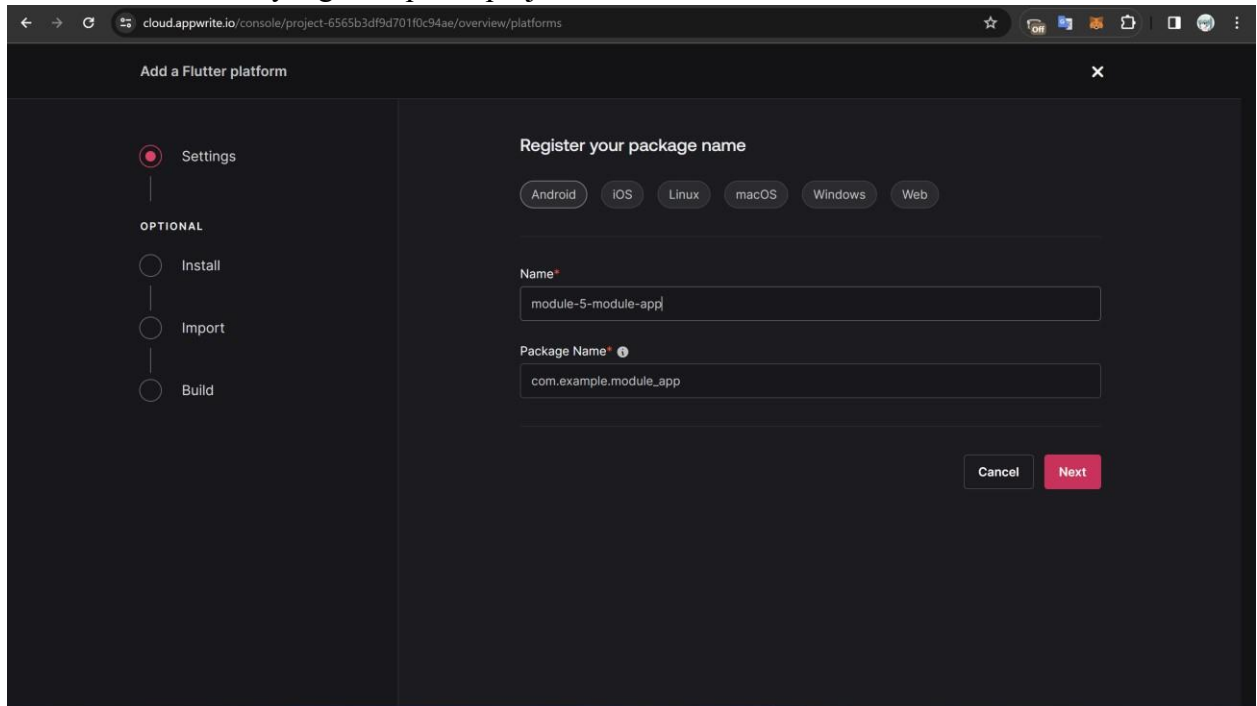
Setelah itu, lakukan login/sign up dan create app pertama kali. Jika sudah, akan masuk seperti dashboard dibawah ini.



Klik aplikasi yang telah dibuat untuk masuk ke dashboard aplikasi.



Scroll kebawah dan temukan button “add platform” lalu di klik dan pilih flutter app. Berikan nama sesuai dengan aplikasi project sendiri. Isi juga package name sesuai dengan file androidmanifest.xml yang terdapat di project sendiri.



cloud.appwrite.io/console/project-6565b3df9d701f0c94ae/overview/platforms

### Add a Flutter platform

- Settings
- OPTIONAL
  - Install
  - Import
  - Build

#### Register your package name

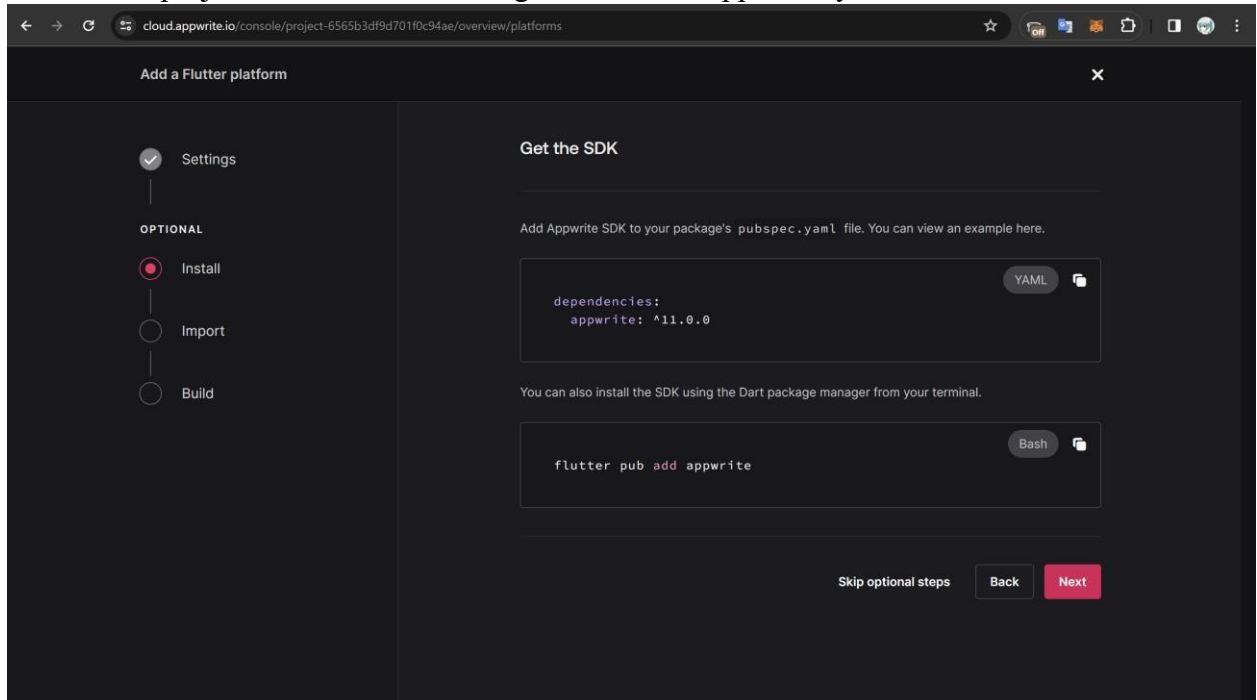
Android iOS Linux macOS Windows Web

Name\*  
module-5-module-app

Package Name\*  
com.example.module\_app

Cancel Next

Masukkan dependencies appwrite kedalam file pubspec.yaml project sendiri. Lalu buat file client\_controller.dart, dan masukkan kodingan controller seperti dibawah ini. Jangan lupa untuk memastikan project ID sudah sesuai dengan dashboard appwritenya.



cloud.appwrite.io/console/project-6565b3df9d701f0c94ae/overview/platforms

### Add a Flutter platform

- Settings
- OPTIONAL
  - Install
  - Import
  - Build

#### Get the SDK

Add Appwrite SDK to your package's pubspec.yaml file. You can view an example here.

```
dependencies:  
  appwrite: ^11.0.0
```

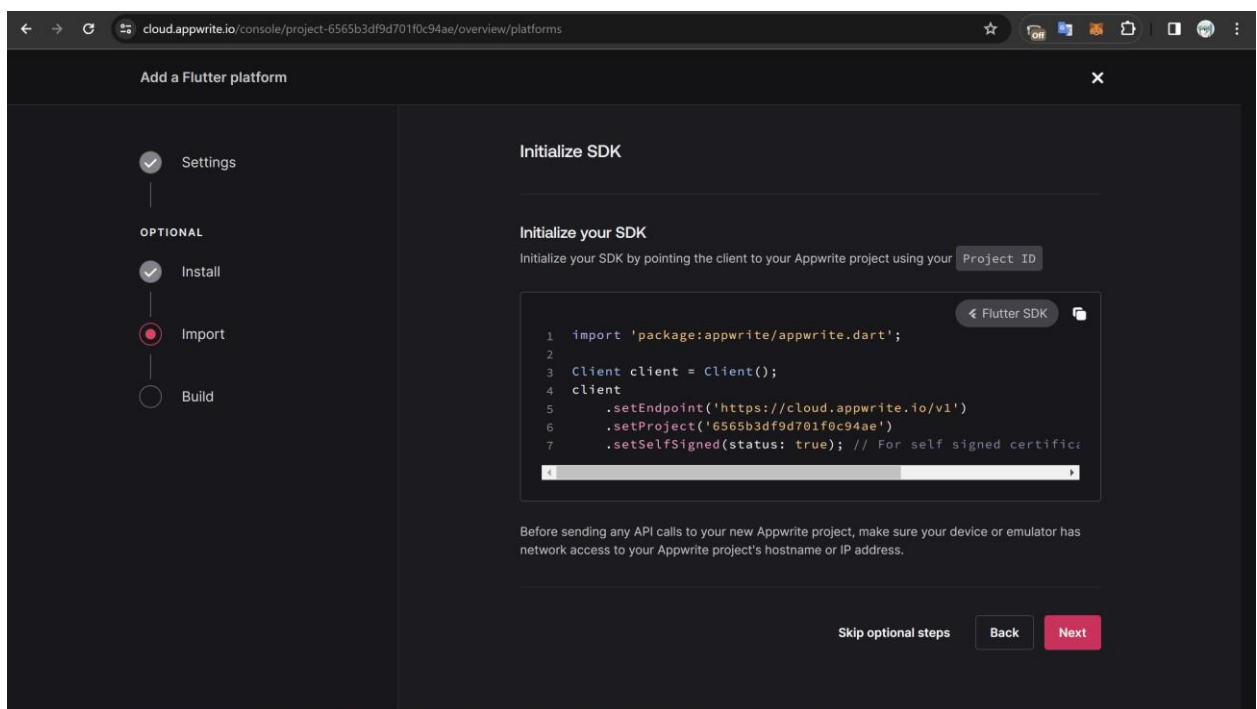
You can also install the SDK using the Dart package manager from your terminal.

```
flutter pub add appwrite
```

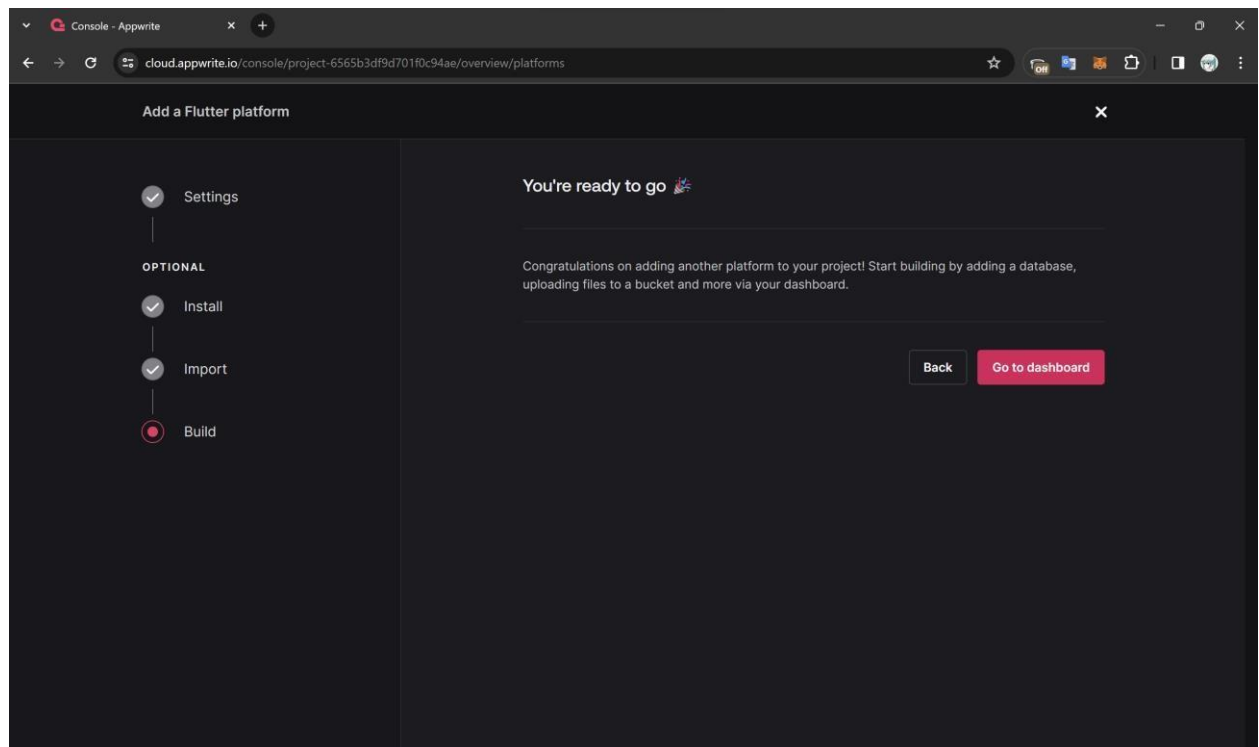
Skip optional steps Back Next

```
dependencies:
  cupertino_icons: ^1.0.2
  get: 4.6.5
  image_picker: ^1.0.4
  flutter:
    sdk: flutter
  #http
  http: ^1.0.0
  #webview
  webview_flutter: ^4.4.1
  appwrite: ^1.1.0.0
```

```
// appwrite
const endPoint = "https://cloud.appwrite.io/v1";
const projectID = "6565b3df9d701f0c94ae";
client
  .setEndpoint(endPoint)
  .setProject(projectID)
  .setSelfSigned(status: true);
```



Setelah itu next saja dan klik go to dashboard. Appwrite sudah siap digunakan :D



## B. Latihan Melengkapi Tutorial Diatas

1. Lengkapi code-code dari penjelasan materi diatas.
2. Buatlah implementasi sesuai case aplikasi masing-masing.
3. Buatlah screen page untuk satu atau lebih penggunaan service.

Membuat controller untuk Appwrite create account

```

import 'package:appwrite/appwrite.dart';
import 'package:flutter/material.dart';
import 'package:flutter/widgets.dart';
import 'package:get/get.dart';

import '../pages/login/userlogin_page.dart';
import 'client_controller.dart';

class AccountController extends ClientController {
  RxBool isLoading = false.obs;
  Account? account;
  @override
  void onInit() {
    super.onInit();
    // appwrite
    account = Account(client);
  }

  Future createAccount(String email, String password, String name) async {
    try {
      isLoading.value = true;
      final result = await account!.create(
        userId: ID.unique(),
        email: email,
        password: password,
        name: name,
      );
      Get.snackbar('Success', 'Registration successful',
        backgroundColor: Colors.green);
      Get.off(userLoginPage()); //Navigate ke Login Page
    } catch (error) {
      Get.snackbar('Error', 'Registration failed: $error',
        backgroundColor: Colors.red);
    } finally {
      isLoading.value = false;
    }
  }
}

```

Membuat view tampilan pada aplikasi dan tambahkan textfield untuk menerima inputan dengan code berikut

```

Container(
  width: 360,
  height: 60,
  padding: EdgeInsets.fromLTRB(24, 6, 20, 0),
  decoration: BoxDecoration(
    borderRadius: BorderRadius.circular(30),
    color: const Color(0xFFD4D4D4), // BoxDecoration
  ),
  child: TextField(
    controller: _emailController,
    decoration: InputDecoration(
      hintText: "Email", border: InputBorder.none), // InputDecoration
    ), // TextField
  ), // Container
  SizedBox(
    height: 20,
  ), // SizedBox
  Container(
    width: 360,
    height: 60,
    padding: EdgeInsets.fromLTRB(24, 6, 20, 0),
    decoration: BoxDecoration(
      borderRadius: BorderRadius.circular(30),
      color: const Color(0xFFD4D4D4), // BoxDecoration
    ),
    child: TextField(
      controller: _passwordController,
      obscureText: true,
      decoration: InputDecoration(
        hintText: "Password", border: InputBorder.none), // InputDecoration
      ), // TextField
    ), // Container
    SizedBox(
      height: 20,
    ), // SizedBox
    Container(
      width: 360,
      height: 60,
      padding: EdgeInsets.fromLTRB(24, 6, 20, 0),
      decoration: BoxDecoration(
        borderRadius: BorderRadius.circular(30),
        color: const Color(0xFFD4D4D4), // BoxDecoration
      ),
      child: TextField(
        controller: _nameController,
        decoration: InputDecoration(
          hintText: "Name", border: InputBorder.none), // InputDecoration
        ), // TextField
      ), // Container

```

Gunakan text button untuk memanggil controller create account yang telah dibuat sebelumnya



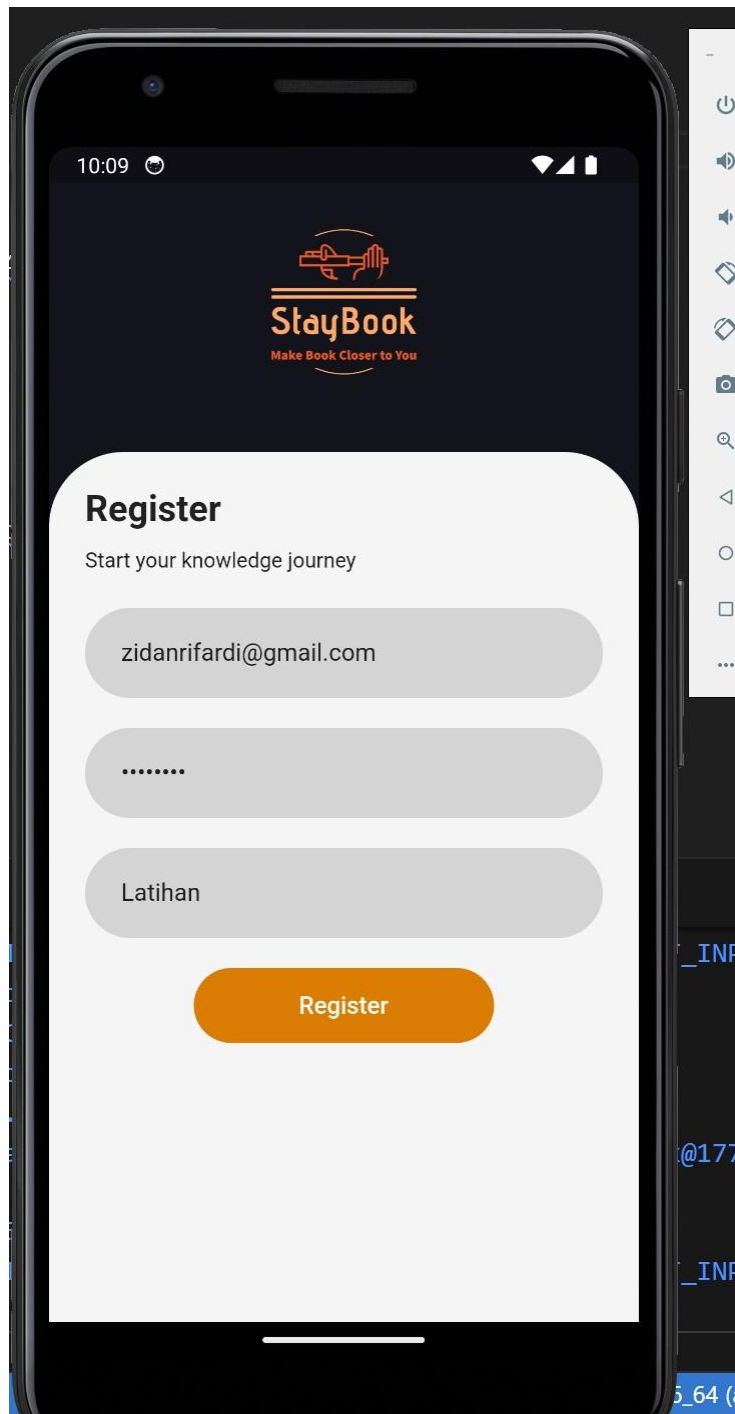
```

), // SizedBox
    SizedBox(
      width: 200,
      height: 50,
      child: TextButton(
        style: TextButton.styleFrom(
          backgroundColor: Color.fromARGB(255, 219, 125, 3),
          shape: RoundedRectangleBorder(
            borderRadius: BorderRadius.circular(30),
          ), // RoundedRectangleBorder
        ),
        onPressed: _appwriterController.isLoading.value
          ? null
          : () {
              _appwriterController.createAccount(
                _emailController.text,
                _passwordController.text,
                _nameController.text
              );
            },
        child: const Text(
          'Register',
          style: TextStyle(
            fontSize: 16,
            color: Colors.white,
          ), // TextStyle
        ), // Text
      ), // TextButton
    ), // SizedBox

```

Aplikasi siap untuk digunakan dan akan berjalan secara normal.





Akun yang telah dibuat dapat dilihat didalam dashboard appwrite pada bagian auth.

Auth - Appwrite

cloud.appwrite.io/console/project-6565b3df9d701f0c94ae/auth

FeedbackSupport

ZRZidan RifardiPersonal Projects

Overview

Auth

Databases

Functions

Storage

Settings

Auth

UsersTeamsSecurityTemplatesUsageSettings

Search by name, email, phone, or ID

+ Create user

NAME	IDENTIFIERS	STATUS	ID	LABELS	JOINED	LAST ACTIVITY
<div>L</div> Latihan	zidanrifardi@gmail...	unverified	User ID		Nov 29, 2023, 10:10	Nov 29, 2023
<div>T</div> Testing	andaru@gmail.com	unverified	User ID		Nov 29, 2023, 08:34	Nov 29, 2023
<div>H</div> Halooo	tesemail@gmail.com	unverified	User ID		Nov 29, 2023, 08:23	Nov 29, 2023
<div>U</div> User	user@gmail.com,+...	unverified	User ID		Nov 28, 2023, 19:03	never

per page. Total results: 4

Prev1Next