

LAPORAN PRAKTIKUM MOBILE PROGRAMMING
*(Desain GUI, Navigasi, dan Integrasi API dengan JSON Serialization di
Flutter)*



Nama : Bintang Syachriza Akbar

NIM : 230605110061

Kelas : E

Tanggal : 18 September 2025

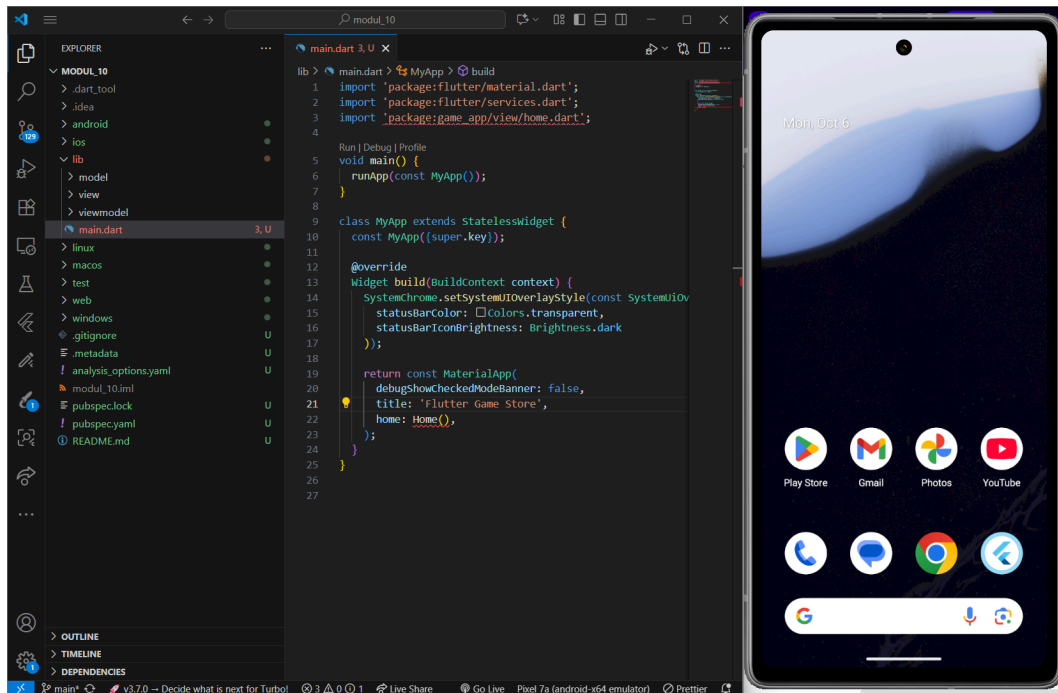
JURUSAN TEKNIK INFORMATIKA
FAKULTAS SAINS DAN TEKNOLOGI
UNIVERSITAS ISLAM NEGERI MAULANA MALIK IBRAHIM
MALANG
GANJIL 2025/2026

I. Tujuan

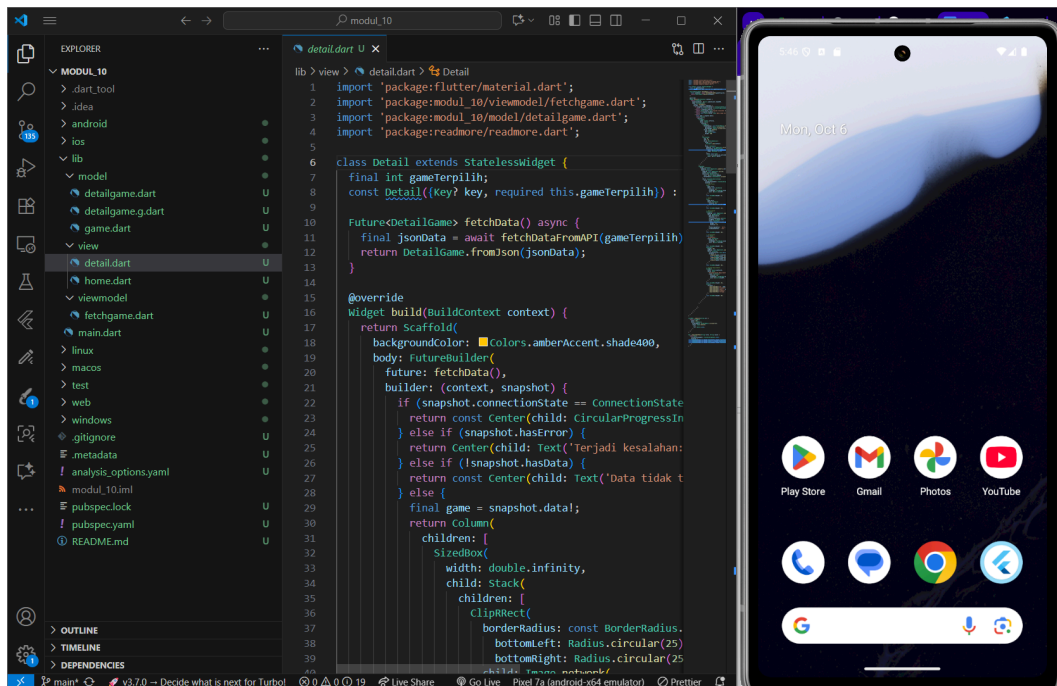
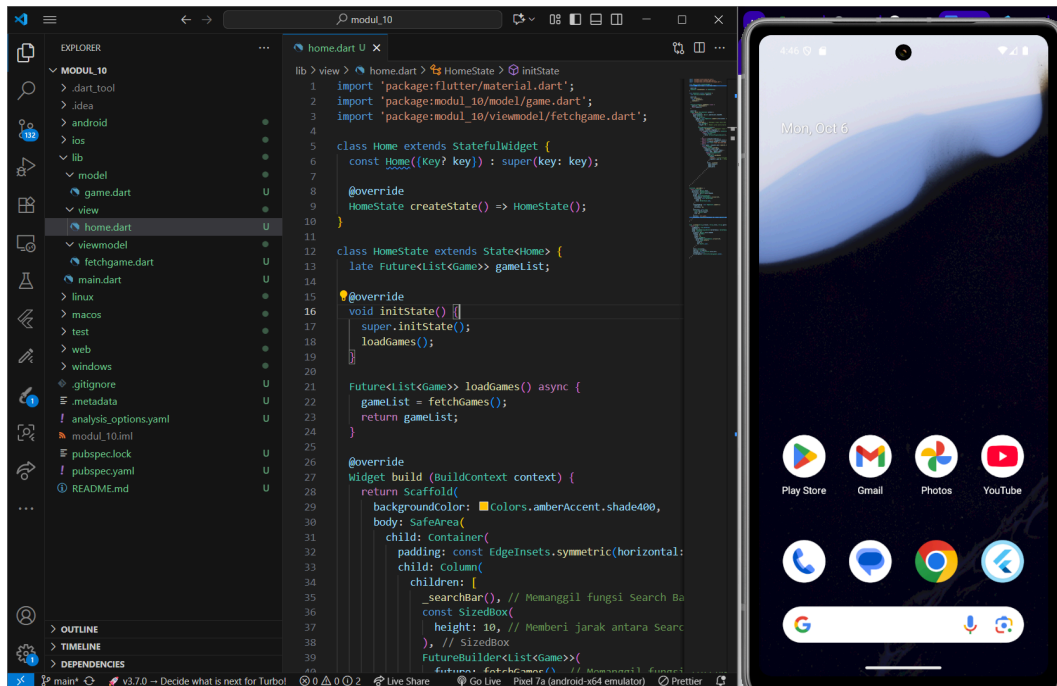
Menjelaskan tujuan tugas, misalnya: memahami penerapan named route dalam navigasi aplikasi Flutter, mengelola perpindahan antar halaman dengan lebih terstruktur, serta menerapkan konsep modularisasi untuk meningkatkan keterbacaan dan pemeliharaan kode.

II. Langkah Kerja Singkat

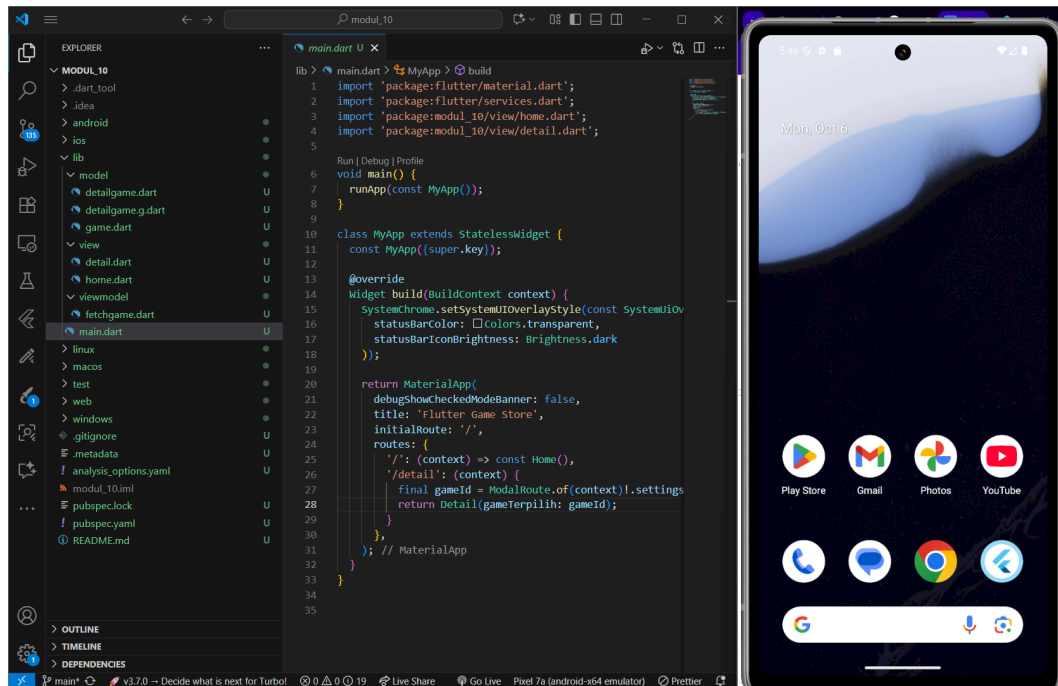
1. Membuat proyek Flutter baru bernama `named_route_app`.



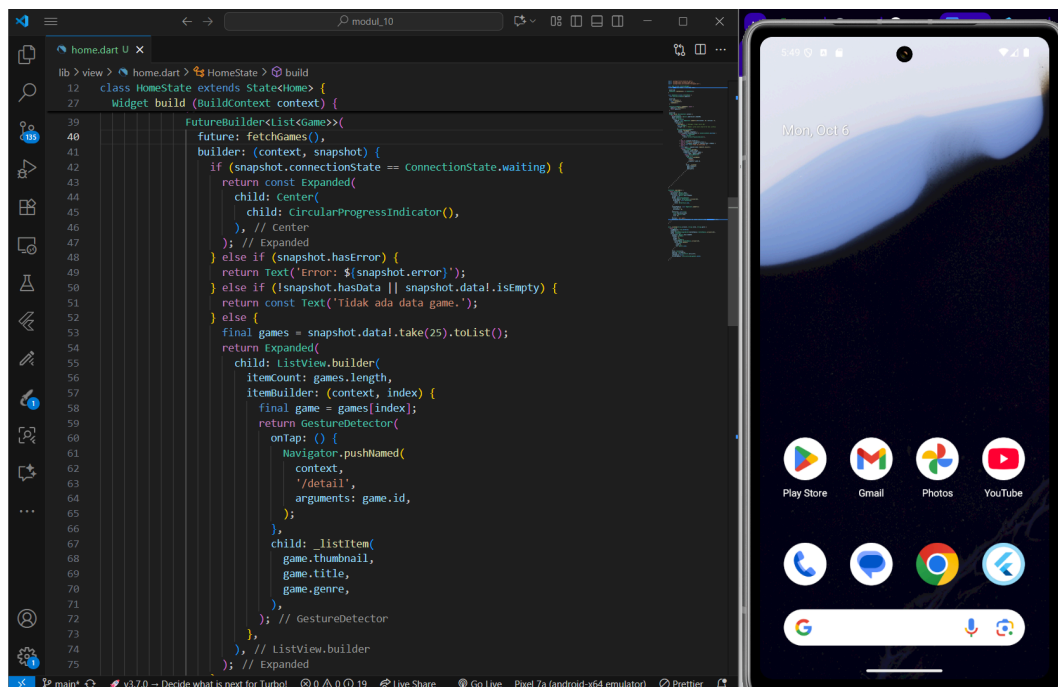
2. Membuat beberapa halaman (screens), misalnya `HomePage`, dan `DetailPage`.

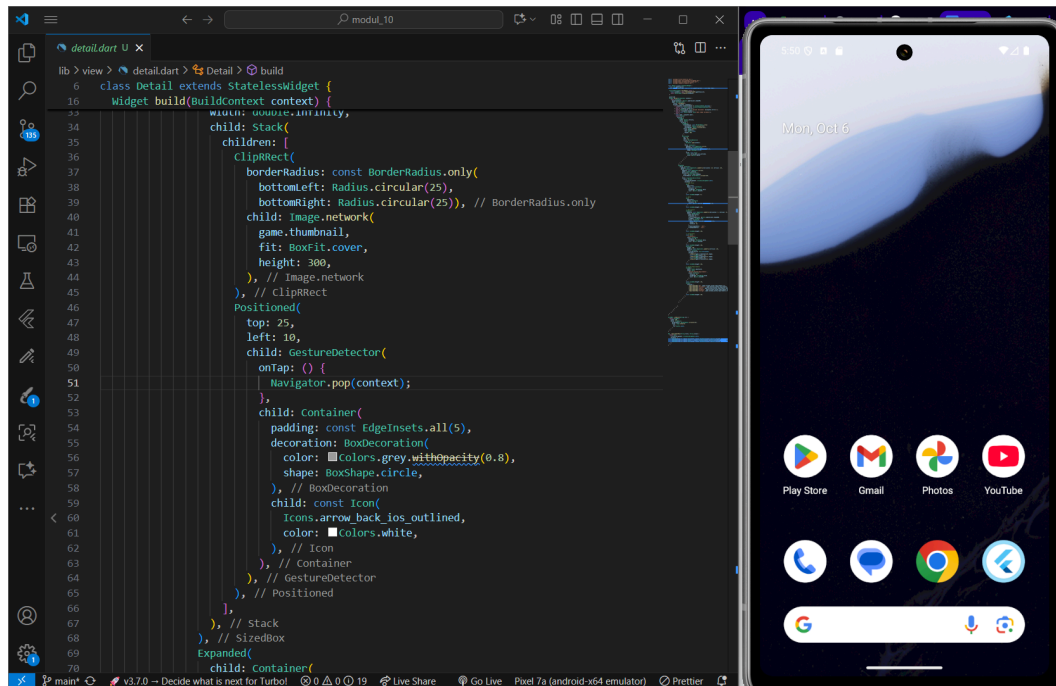


3. Menambahkan konfigurasi named route pada file main.dart menggunakan MaterialApp dengan properti routes.



4. Mengimplementasikan navigasi antar halaman menggunakan `Navigator.pushNamed()` dan `Navigator.pop()`.

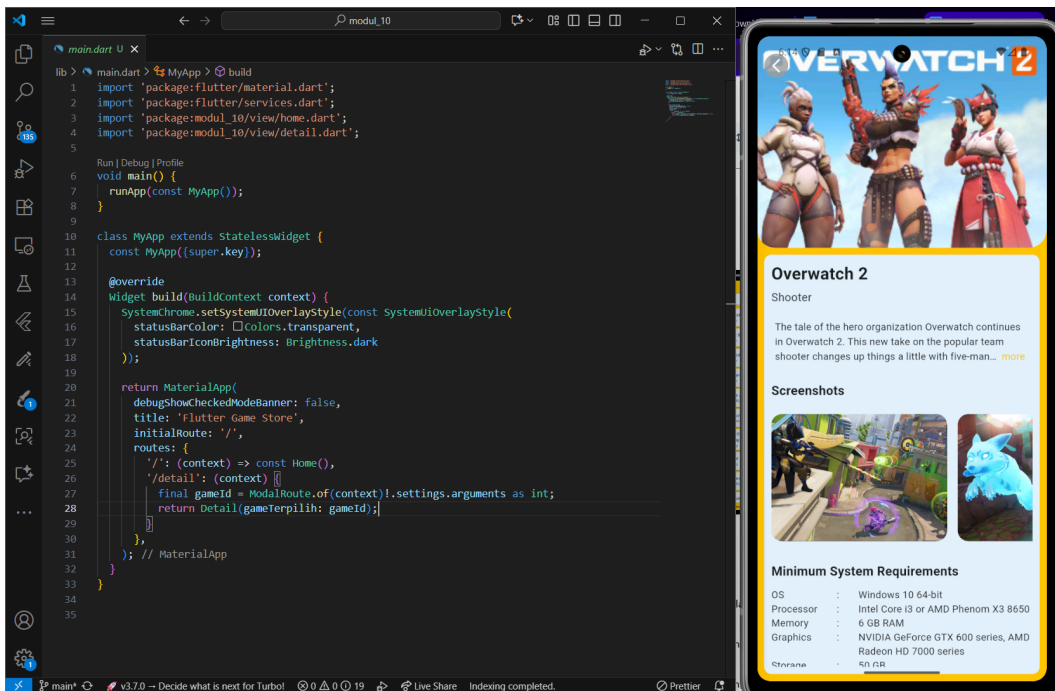
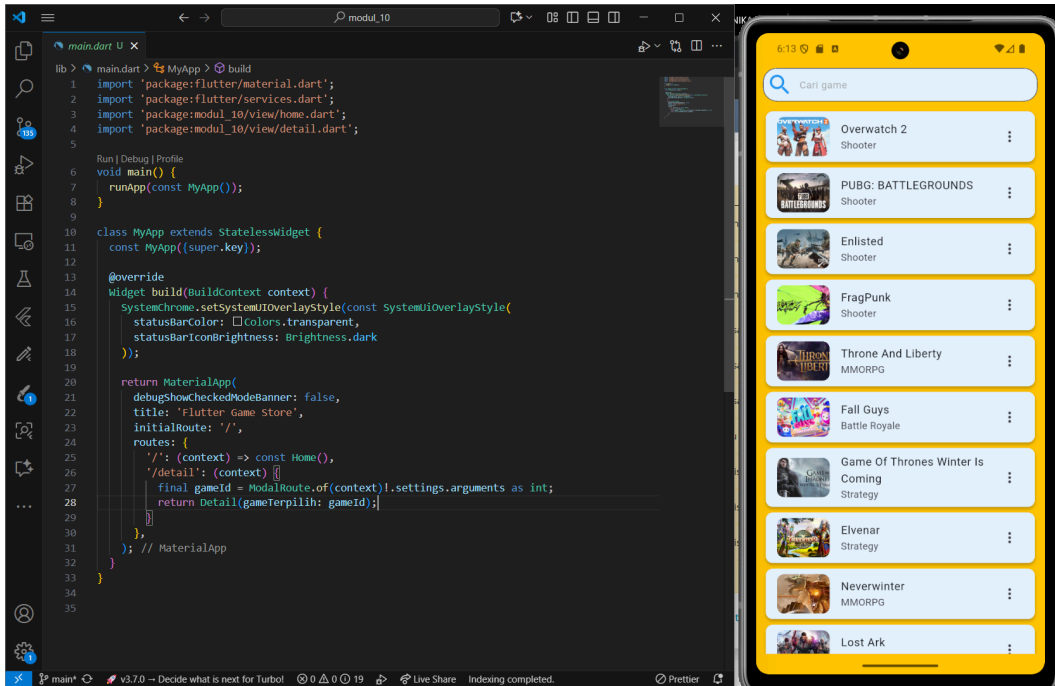




5. Menambahkan tombol navigasi di setiap halaman untuk berpindah ke halaman lain.
6. Menjalankan aplikasi untuk memastikan navigasi berjalan sesuai rute yang telah ditentukan.

III. Screenshot Hasil


- Menyertakan tangkapan layar aplikasi Flutter yang menampilkan proses navigasi antar halaman dengan named route, disertai keterangan singkat pada setiap gambar.



```

main.dart U X
lib > main.dart > MyApp > build
1 import 'package:flutter/material.dart';
2 import 'package:flutter/services.dart';
3 import 'package:modul_10/view/home.dart';
4 import 'package:modul_10/view/detail.dart';
5
Run | Debug | Profile
6 void main() {
7   runApp(const MyApp());
8 }
9
class MyApp extends StatelessWidget {
10  const MyApp({super.key});
11
12
13  @override
14  Widget build(BuildContext context) {
15    SystemChrome.setSystemUIOverlayStyle(const SystemUIOverlayStyle(
16      statusBarColor: Colors.transparent,
17      statusBarIconBrightness: Brightness.dark
18    ));
19
20    return MaterialApp(
21      debugShowCheckedModeBanner: false,
22      title: 'Flutter Game Store',
23      initialRoute: '/',
24      routes: {
25        '/': (context) => const Home(),
26        '/detail': (context) {
27          final gameId = ModalRoute.of(context)?.settings.arguments as int;
28          return Detail(gameTerpilih: gameId);
29        }
30      }
31    ); // MaterialApp
32  }
33
34
35

```




PUBG BATTLEGROUNDS

Shooter

Get into the action in one of the longest running battle royale games PUBG Battlegrounds. Originally titled PlayerUnknown's Battlegrounds, the game has ... [more](#)

Screenshots



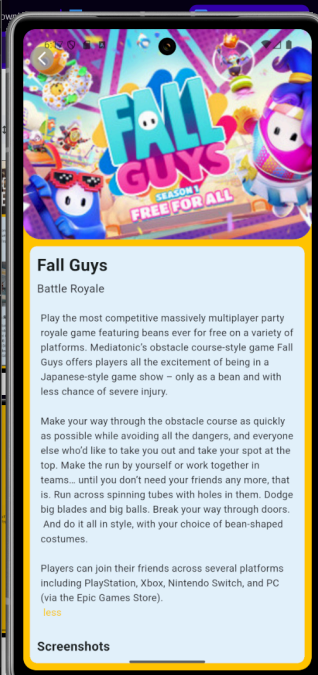
Minimum System Requirements

OS	64-bit Windows 7, Windows 8.1, Windows 10
Processor	Intel Core i5-4430 / AMD FX-6300
Memory	8 GB RAM
Graphics	NVIDIA GeForce GTX 960 2GB / AMD Radeon R7 370 2GB
Storage	40 GB available space

```

main.dart U X
lib > main.dart > MyApp > build
1 import 'package:flutter/material.dart';
2 import 'package:flutter/services.dart';
3 import 'package:modul_10/view/home.dart';
4 import 'package:modul_10/view/detail.dart';
5
Run | Debug | Profile
6 void main() {
7   runApp(const MyApp());
8 }
9
class MyApp extends StatelessWidget {
10  const MyApp({super.key});
11
12
13  @override
14  Widget build(BuildContext context) {
15    SystemChrome.setSystemUIOverlayStyle(const SystemUIOverlayStyle(
16      statusBarColor: Colors.transparent,
17      statusBarIconBrightness: Brightness.dark
18    ));
19
20    return MaterialApp(
21      debugShowCheckedModeBanner: false,
22      title: 'Flutter Game Store',
23      initialRoute: '/',
24      routes: {
25        '/': (context) => const Home(),
26        '/detail': (context) {
27          final gameId = ModalRoute.of(context)?.settings.arguments as int;
28          return Detail(gameTerpilih: gameId);
29        }
30      }
31    ); // MaterialApp
32  }
33
34
35

```



FALL GUYS

Battle Royale

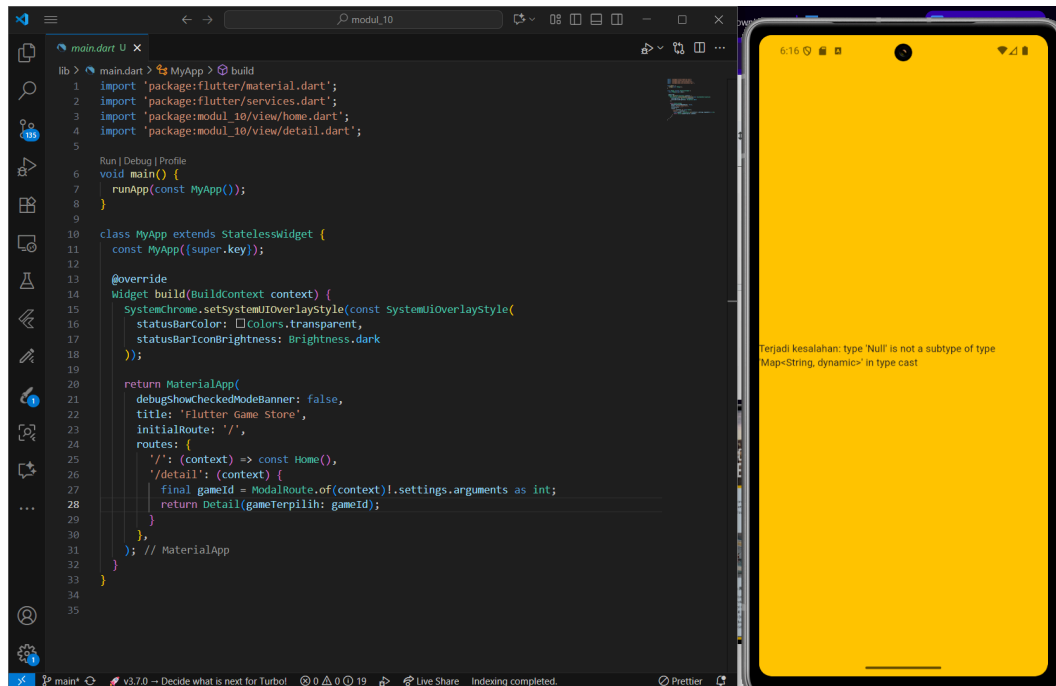
Play the most competitive massively multiplayer party royale game featuring beans ever for free on a variety of platforms. Mediatonic's obstacle course-style game Fall Guys offers players all the excitement of being in a Japanese-style game show – only as a bean and with less chance of severe injury.

Make your way through the obstacle course as quickly as possible while avoiding all the dangers, and everyone else who'd like to take you out and take your spot at the top. Make the run by yourself or work together in teams... until you don't need your friends any more, that is. Run across spinning tubes with holes in them. Dodge big blades and big balls. Break your way through doors. And do it all in style, with your choice of bean-shaped costumes.

Players can join their friends across several platforms including PlayStation, Xbox, Nintendo Switch, and PC (via the Epic Games Store).

[less](#)

Screenshots



IV. Ringkasan Hasil

Memuat poin pengetahuan yang diperoleh, misalnya: -

1. Named route mempermudah pengelolaan navigasi antar halaman dalam aplikasi berskala besar.
2. Struktur route yang terpusat di MaterialApp membantu menjaga konsistensi alur navigasi.
3. Penggunaan Navigator.pushNamed() untuk berpindah halaman dan Navigator.pop() untuk kembali ke halaman sebelumnya membuat proses navigasi dalam aplikasi menjadi lebih sederhana, terstruktur, dan mudah dipahami.
4. Modularisasi halaman mendukung pengembangan aplikasi Flutter yang efisien dan terorganisasi.