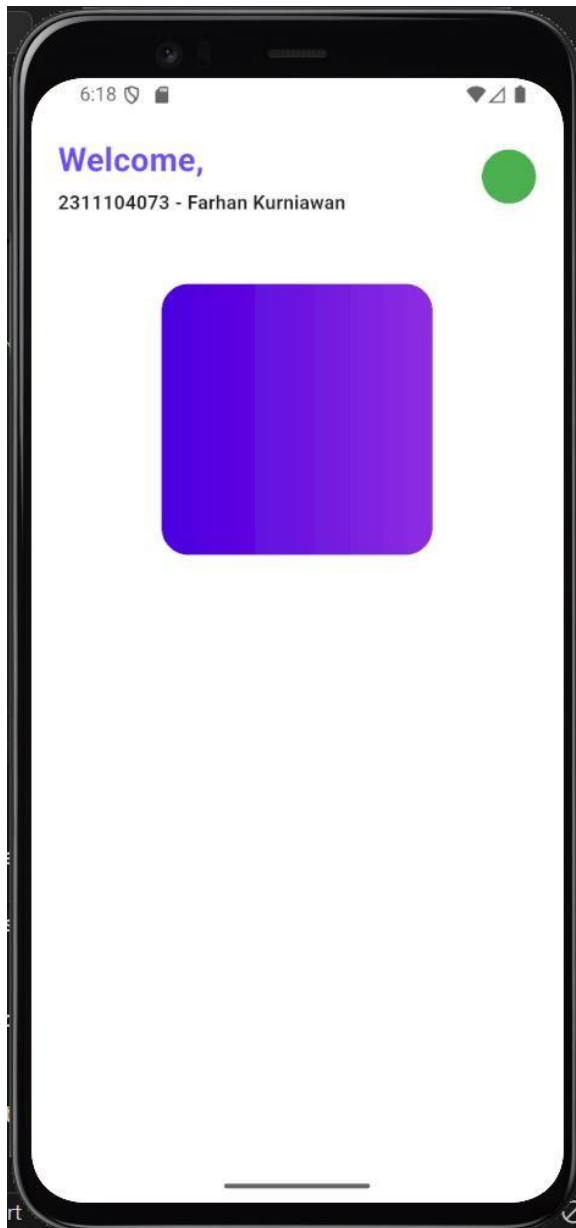Nama   : Farhan Kurniawan

NIM   : 2311104073

Kelas   : SE-07-02

Link Github   :
https://github.com/farkurr/PPB_FarhanKurniawan_2311104073/tree/main/04_Antarmuka_Penggun
a/Tugas%204%20Basic%20Layout

Hasil Running:

Kode:

main.dart

```dart
import 'package:flutter/material.dart';

void main() {
  runApp(const MyApp());
}

class MyApp extends StatelessWidget {
  const MyApp({Key? key}) : super(key: key);

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      debugShowCheckedModeBanner: false,
      home: const HomeScreen(),
    );
  }
}

class HomeScreen extends StatelessWidget {
  const HomeScreen({Key? key}) : super(key: key);

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Colors.white,
      body: SafeArea(
        child: Padding(
          padding: const EdgeInsets.all(20),
          child: Column(
            crossAxisAlignment: CrossAxisAlignment.start,
            children: [
              // Header bar (Welcome & profile circle)
              Row(
                mainAxisAlignment: MainAxisAlignment.spaceBetween,
                children: [
                  Column(
                    crossAxisAlignment: CrossAxisAlignment.start,
                    children: const [
                      Text(
                        'Welcome,',
                        style: TextStyle(
                          fontSize: 24,
                          fontWeight: FontWeight.bold,
                          color: Color(0xFF6C4DFE), // Warna ungu
                        ),
                      ),
                      SizedBox(height: 4),
```

```dart
          Text(
            '2311104073 - Farhan Kurniawan',
            style: TextStyle(
              fontSize: 14,
              fontWeight: FontWeight.w600,
              color: Colors.black87,
            ),
          ),
        ],
      ),
      // Lingkaran hijau di kanan
      Container(
        width: 40,
        height: 40,
        decoration: const BoxDecoration(
          shape: BoxShape.circle,
          color: Colors.green,
        ),
      ),
    ],
  ),

  const SizedBox(height: 50),

  // Kotak gradasi ungu
  Center(
    child: Container(
      width: 200,
      height: 200,
      decoration: BoxDecoration(
        borderRadius: BorderRadius.circular(20),
        gradient: const LinearGradient(
          colors: [Color(0xFF4A00E0), Color(0xFF8E2DE2)],
          begin: Alignment.centerLeft,
          end: Alignment.centerRight,
        ),
      ),
    ),
  ),
          ),
        ),
      ],
    ),
  ),
    ),
  );
}
}
```

Penjelasan fungsi kode:

a. Row digunakan untuk menempatkan teks "Welcome" dan lingkaran hijau di kanan.
b. Column untuk menumpuk "Welcome," dan "NIM - Nama".
c. Container dengan gradient membuat kotak ungu gradasi di tengah.
d. SafeArea + Padding memastikan tampilan tidak menabrak notch atau tepi layar.