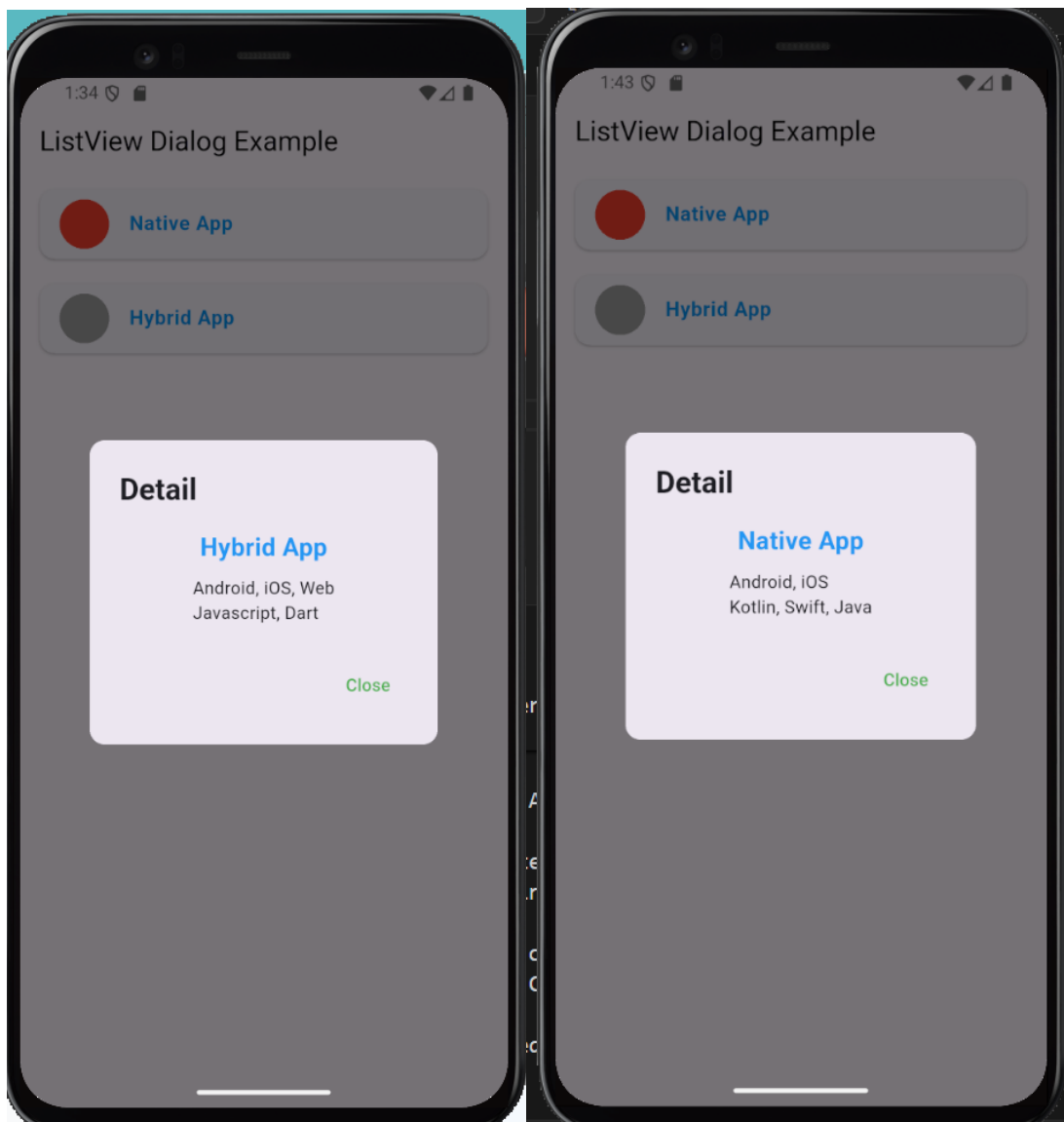**Nama** : **Farhan Kurniawan**

NIM : **2311104073**

Kelas : **SE-07-02**

Link Github :
https://github.com/farkurr/PPB_FarhanKurniawan_2311104073/tree/main/06_Interaksi_Pengguna/Tugas%206%20-%20User%20Interaction

Hasil Running Program:

Kode Program:

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

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

class MyApp extends StatelessWidget {
  const MyApp({super.key});

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'List Dialog Demo',
      debugShowCheckedModeBanner: false,
      theme: ThemeData(primarySwatch: Colors.blue),
      home: const HomePage(),
    );
  }
}

class HomePage extends StatelessWidget {
  const HomePage({super.key});

  // Data List
  final List<Map<String, dynamic>> appList = const [
    {
      'name': 'Native App',
      'platform': 'Android, iOS',
      'language': 'Kotlin, Swift, Java',
      'color': Colors.red,
    },
    {
      'name': 'Hybrid App',
      'platform': 'Android, iOS, Web',
      'language': 'Javascript, Dart',
      'color': Colors.grey,
    },
  ];

  // Fungsi untuk menampilkan dialog detail
  void showDetailDialog(BuildContext context, Map<String, dynamic> data) {
    showDialog(
      context: context,
      builder: (BuildContext context) {
        return AlertDialog(
          shape: RoundedRectangleBorder(
            borderRadius: BorderRadius.circular(12),
```

```
        ),
        title: const Text(
          'Detail',
          style: TextStyle(fontWeight: FontWeight.bold),
        ),
        content: Column(
          mainAxisSize: MainAxisSize.min,
          children: [
            Text(
              data['name'],
              style: const TextStyle(
                fontSize: 20,
                color: Colors.blue,
                fontWeight: FontWeight.bold,
              ),
            ),
            const SizedBox(height: 8),
            Text('${data['platform']}\n${data['language']}'),
          ],
        ),
        actions: [
          TextButton(
            onPressed: () => Navigator.pop(context),
            child: const Text('Close', style: TextStyle(color: Colors.green)),
          ),
        ],
      );
    },
  );
}

@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(title: const Text('ListView Dialog Example')),
    body: ListView.builder(
      itemCount: appList.length,
      itemBuilder: (context, index) {
        final item = appList[index];
        return Card(
          margin: const EdgeInsets.symmetric(vertical: 10, horizontal: 16),
          child: ListTile(
            leading: CircleAvatar(backgroundColor: item['color']),
            title: Text(
              item['name'],
              style: const TextStyle(
                fontWeight: FontWeight.bold,
                color: Colors.blue,
              ),
            ),
```

```
        onTap: () => showDetailDialog(context, item),
      ),
    );
  },
),
);
}
}
```

Penjelasan Fungsi Kode:

1. **ListView.builder** digunakan untuk membuat daftar dinamis dari data appList.
2. Setiap item memiliki:
   - CircleAvatar (warna berbeda untuk tiap jenis app)
   - Text (nama aplikasi)
3. Ketika item ditekan (onTap), fungsi showDetailDialog() akan menampilkan **AlertDialog** berisi detail aplikasi.
4. Tombol **Close** menutup dialog dengan Navigator.pop(context).