

LAPORAN PRAKTIKUM PEMROGRAMAN BERGERAK (MOBILE)

DISARANKAN MEMBUKA MENGGUNAKAN LAPTOP AGAR BISA KLIK HYPERLINK!!



Dikerjakan Oleh:

Evi Fitriya (1201222005)

Fakultas Informatika (FIF)

Rekayasa Perangkat Lunak (S1)

SURABAYA

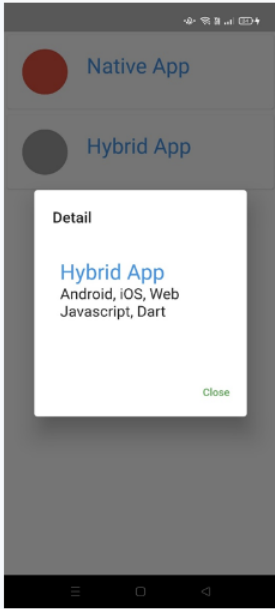
2024

TUGAS 6 LMS

Soal

Opened: Monday, 27 March 2023, 9:55 PM
Due: Monday, 3 April 2023, 9:55 PM

Buatlah aplikasi Flutter dengan ListView. Ketika elemen List di-klik maka akan memunculkan dialog yang berisi detail (data lain) dari elemen yang di-klik:



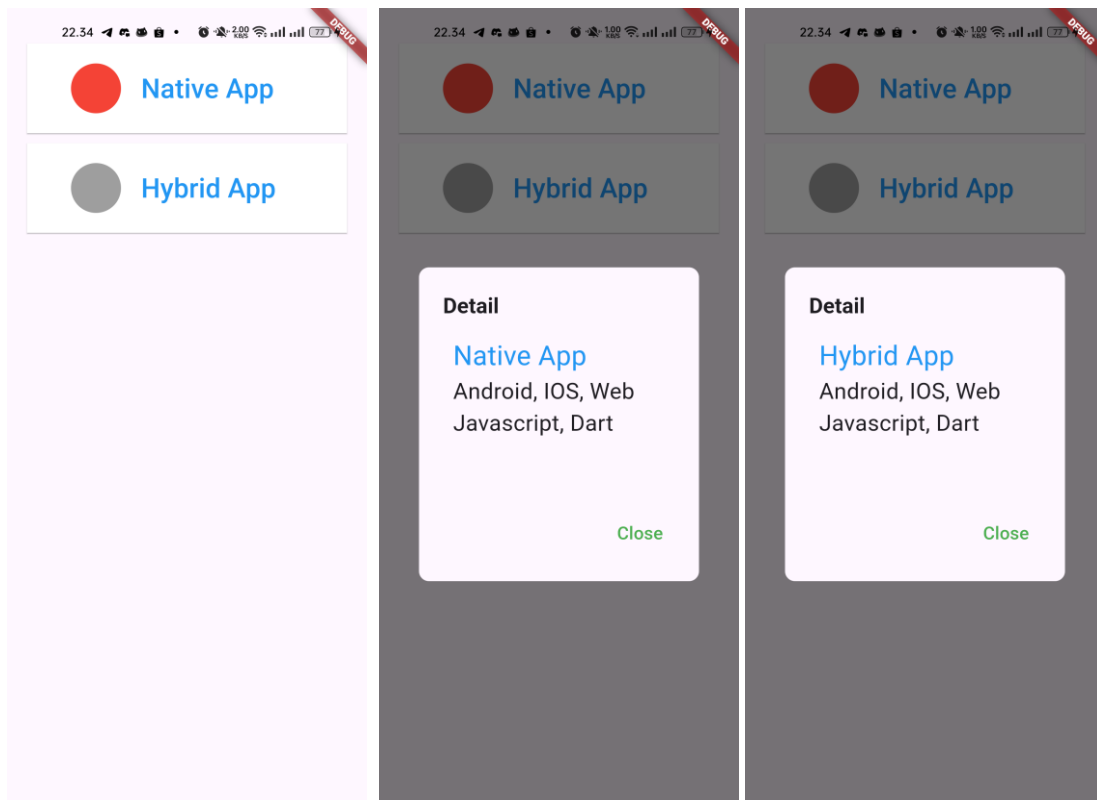
Pembahasan:

- File Dart “main.dart” adalah file utama untuk menampilkan ke tampilan layar
- File Dart “[Bot_navbar.dart](#)” adalah file yang ditujukan untuk ditampilkan dilayar yang harus di import dulu di main.dart

Isi File Mencakup:

1. Elemen yang digunakan pada tugas ini beberapa sudah dijelaskan pada [Pertemuan 1](#) Hingga Pertemuan 5
2. Untuk membuat pop up dialog menggunakan AlertDialog()
 - o Untuk mengatur bentuknya bisa menggunakan shape
 - o Untuk membuatnya kotak bisa menggunakan RoundedRectangleBorder() kemudian atur borderRadiusnya dengan BorderRadius().
3. Tidak ada yang baru lagi ditugas ini selain yg disebutkan diatas.

Tampilan:



Code:

Tinggal diklik saja untuk menuju ke kode (Semua Kode ada di bagian “Lampiran”)

- [Main.dart](#)
- [Tugas6lms.dart](#)

LAMPIRAN

- Main.dart

```
import 'package:flutter/material.dart';
// import 'package:praktikum_1/layout.dart';
import 'package:praktikum_1/meet1/latihan1.dart';
import 'package:praktikum_1/meet2/latihan1.dart';
import 'package:praktikum_1/meet2/tabbar.dart';
import 'package:praktikum_1/meet2/pageView.dart';
import 'package:praktikum_1/meet3n4/button.dart';
import 'package:praktikum_1/meet4/bot_navbar.dart';
import 'package:praktikum_1/tugas/tugas4lms.dart';
import 'package:praktikum_1/tugas/tugas5lms.dart';
import 'package:praktikum_1/meet5/arguments_screen.dart';
import 'package:praktikum_1/tugas/tugas6lms.dart';
import 'package:praktikum_1/meet6/media_camera.dart';
import 'package:praktikum_1/meet5/arguments_screen.dart';
import 'package:praktikum_1/meet5/first_screen.dart';
import 'package:praktikum_1/meet5/second_screen.dart';
import 'package:praktikum_1/meet5/return_data_screen.dart';

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

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

  // This widget is the root of your application.
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Praktikum',
      theme: ThemeData(
        // This is the theme of your application.
        //
        // TRY THIS: Try running your application with "flutter
run". You'll see
        // the application has a purple toolbar. Then, without
quitting the app,
```

```

        // try changing the seedColor in the colorScheme below to
Colors.green
        // and then invoke "hot reload" (save your changes or press
the "hot
        // reload" button in a Flutter-supported IDE, or press "r"
if you used
        // the command line to start the app).
        //
        // Notice that the counter didn't reset back to zero; the
application
        // state is not lost during the reload. To reset the state,
use hot
        // restart instead.
        //
        // This works for code too, not just values: Most code
changes can be
        // tested with just a hot reload.
        colorScheme: ColorScheme.fromSeed(seedColor:
Colors.deepPurple),
        useMaterial3: true,
    ),
    initialRoute: '/tugas4',
    routes: {
        '/botnav': (context) => const Botnavbar(),
        '/return-data': (context) => const ReturnDataScreen(),
        '/button': (context) => const ButtonScreenState(),
        '/tugas6': (context) => const tugas_6_lms(),
        '/tugas4': (context) => const Evi_1201222005s(),
        '/tugas5': (context) => const AdvanceLayout(),
        '/M1/l1': (context) => const latihan_2(),
        '/M1/pageView': (context) => const Page_View(),
        '/M1/tabbar': (context) => const tabbar(),
        '/media-camera': (context) => const mediaCamera(),
        '/': (context) => const FirstScreen(),
        '/second': (context) => const SecondScreen(),
        '/arguments': (context) =>
            const ArgumentsScreen(message: "Hi Everyone"),
    },
);
}
}

```

```

class MyHomePage extends StatefulWidget {
  const MyHomePage({super.key, required this.title});

  // This widget is the home page of your application. It is
  // stateful, meaning
  // that it has a State object (defined below) that contains fields
  // that affect
  // how it looks.

  // This class is the configuration for the state. It holds the
  // values (in this
  // case the title) provided by the parent (in this case the App
  // widget) and
  // used by the build method of the State. Fields in a Widget
  // subclass are
  // always marked "final".

  final String title;

  @override
  State<MyHomePage> createState() => _MyHomePageState();
}

class _MyHomePageState extends State<MyHomePage> {
  int _counter = 0;

  void _incrementCounter() {
    setState(() {
      // This call to setState tells the Flutter framework that
      // something has
      // changed in this State, which causes it to rerun the build
      // method below
      // so that the display can reflect the updated values. If we
      // changed
      // _counter without calling setState(), then the build method
      // would not be
      // called again, and so nothing would appear to happen.
      _counter++;
    });
  }

  @override

```

```

Widget build(BuildContext context) {
  // This method is rerun every time setState is called, for
instance as done
  // by the _incrementCounter method above.
  //
  // The Flutter framework has been optimized to make rerunning
build methods
  // fast, so that you can just rebuild anything that needs
updating rather
  // than having to individually change instances of widgets.
  return Scaffold(
    appBar: AppBar(
      // TRY THIS: Try changing the color here to a specific color
(to
      // Colors.amber, perhaps?) and trigger a hot reload to see
the AppBar
      // change color while the other colors stay the same.
      backgroundColor:
Theme.of(context).colorScheme.inversePrimary,
      // Here we take the value from the MyHomePage object that
was created by
      // the App.build method, and use it to set our appbar title.
      title: Text(widget.title),
    ),
    body: Center(
      // Center is a layout widget. It takes a single child and
positions it
      // in the middle of the parent.
      child: Column(
        // Column is also a layout widget. It takes a list of
children and
        // arranges them vertically. By default, it sizes itself
to fit its
        // children horizontally, and tries to be as tall as its
parent.
        //
        // Column has various properties to control how it sizes
itself and
        // how it positions its children. Here we use
mainAxisAlignment to
        // center the children vertically; the main axis here is
the vertical

```

```

        // axis because Columns are vertical (the cross axis would
be
        // horizontal).
        //
        // TRY THIS: Invoke "debug painting" (choose the "Toggle
Debug Paint"
        // action in the IDE, or press "p" in the console), to see
the
        // wireframe for each widget.
        mainAxisAlignment: MainAxisAlignment.center,
        children: <Widget>[
            const Text(
                'tes:',
            ),
            Text(
                '$_counter',
                style: Theme.of(context).textTheme.headlineMedium,
            ),
        ],
    ),
),
floatingActionButton: FloatingActionButton(
    onPressed: _incrementCounter,
    tooltip: 'Increment',
    child: const Icon(Icons.add),
), // This trailing comma makes auto-formatting nicer for
build methods.
);
}
}

```


- tugas6lms.dart

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

class tugas_6_lms extends StatefulWidget {
  const tugas_6_lms({super.key});

  @override
  State<tugas_6_lms> createState() => _tugas_6_lmsState();
}

class _tugas_6_lmsState extends State<tugas_6_lms> {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      body: SafeArea(
        child: Center(
          child: Column(
            mainAxisAlignment: MainAxisAlignment.start,
            children: [
              Container(
                margin: EdgeInsets.only(left: 20.0, right: 20.0),
                padding: EdgeInsets.all(0),
                child: ElevatedButton(
                  style: ElevatedButton.styleFrom(
                    shadowColor: Colors.grey,
                    backgroundColor: const Color.fromARGB(255, 255,
255, 255),

                    shape: RoundedRectangleBorder(
                      borderRadius: BorderRadius.zero,
                    ),
                  ),
                  child: Row(
                    children: [
                      Container(
                        width: 50.0,
                        height: 50.0,
                        margin: EdgeInsets.all(20.0),
                        decoration: BoxDecoration(
                          color: Colors.red,
                          shape: BoxShape.circle,
                        ),

```

```

    ),
    Text(
      "Native App",
      style: TextStyle(
        color: Colors.blue,
        fontSize: 30,
      ),
    ),
  ],
),
onPressed: () {
  showDialog(
    context: context,
    builder: (context) {
      return AlertDialog(
        shape: RoundedRectangleBorder(
          borderRadius:
BorderRadius.all(Radius.circular(10)),
        ),
        title: Text(
          'Detail',
          style: TextStyle(fontWeight:
FontWeight.bold),
        ),
        content: Container(
          width: MediaQuery.of(context).size.width
- 40,

          height: 150,
          // decoration: BoxDecoration(
          //   borderRadius: BorderRadius.zero,
          // ),
          child: Container(
            padding: EdgeInsets.only(left: 10),
            child: Column(
              mainAxisAlignment:
MainAxisAlignment.start,

              children: [
                Container(
                  width:
MediaQuery.of(context).size.width,

                  child: Text(
                    'Native App',

```

```

        style: TextStyle(
          fontSize: 30,
          color: Colors.blue,
          // backgroundColor:
Colors.red,

        ),
        textAlign: TextAlign.start,
      ),
    ),
    Container(
      width:
MediaQuery.of(context).size.width,
      child: Text(
        'Android, IOS, Web Javascript,
Dart',
        style: TextStyle(fontSize:
25),
      ),
    ),
  ],
),
),
actions: [
  TextButton(
    onPressed: () {
      Navigator.pop(context);
    },
    child: Text(
      'Close',
      style: TextStyle(
        color: Colors.green, fontSize:
20),
    ),
  ),
],
);
},
);
},
),
),

```

```

        SizedBox(
          width: 20,
          height: 10,
        ),
        Container(
          margin: EdgeInsets.only(left: 20.0, right: 20.0),
          padding: EdgeInsets.all(0),
          child: ElevatedButton(
            style: ElevatedButton.styleFrom(
              shadowColor: Colors.grey,
              backgroundColor: const Color.fromARGB(255, 255,
255, 255),

              shape: RoundedRectangleBorder(
                borderRadius: BorderRadius.zero,
              ),
            ),
            child: Row(
              children: [
                Container(
                  width: 50.0,
                  height: 50.0,
                  margin: EdgeInsets.all(20.0),
                  decoration: BoxDecoration(
                    color: Colors.grey,
                    shape: BoxShape.circle,
                  ),
                ),
                Text(
                  "Hybrid App",
                  style: TextStyle(
                    color: Colors.blue,
                    fontSize: 30,
                  ),
                )
              ],
            ),
            onPressed: () {
              showDialog(
                context: context,
                builder: (context) {
                  return AlertDialog(
                    shape: RoundedRectangleBorder(

```

```

borderRadius:
BorderRadius.all(Radius.circular(10)),
),
title: Text(
'Detail',
style: TextStyle(fontWeight:
FontWeight.bold),
),
content: Container(
width: MediaQuery.of(context).size.width
- 40,

height: 150,
// decoration: BoxDecoration(
//   borderRadius: BorderRadius.zero,
// ),
child: Container(
padding: EdgeInsets.only(left: 10),
child: Column(
mainAxisAlignment:
MainAxisAlignment.start,

children: [
Container(
width:
MediaQuery.of(context).size.width,

child: Text(
'Hybrid App',
style: TextStyle(
fontSize: 30,
color: Colors.blue,
// backgroundColor:
Colors.red,

),
textAlign: TextAlign.start,
),
),
Container(
width:
MediaQuery.of(context).size.width,

child: Text(
'Android, IOS, Web Javascript,
Dart',

```

