LAPORAN GUIDED & UNGUIDED PEMROGRAMAN PERANGKAT BERGERAK

MODUL IX API PERANGKAT KERAS



Disusun Oleh:

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SE-06-02

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Dosen Pengampu:

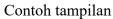
Yudha Islami Sulistya, S.Kom., M.Cs.

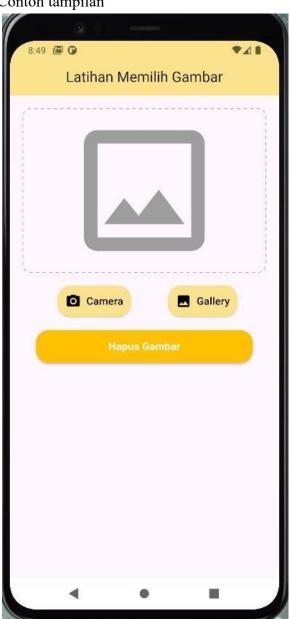
PROGRAM STUDI S1 SOFTWARE ENGINEERING
FAKULTAS INFORMATIKA
TELKOM UNIVERSITY PURWOKERTO

TUGAS PENDAHULUAN

A. SOAL NOMOR 1

 a) Buatlah satu project baru, yang mana di dalamnya memuat container berisi Icons.image_outlined, button camera, button gallery dan button hapus gambar.
 Button tidak harus berfungsi.

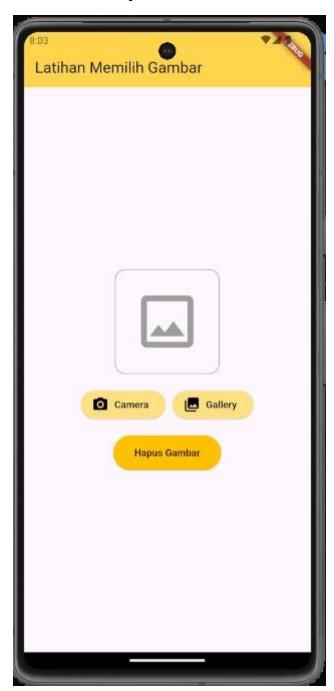




- Source code

```
. .
import 'package:flutter/material.dart';
void main() {
  runApp(MyApp());
class MyApp extends StatelessWidget {
   @override
Widget build(BuildContext context) {
     return MaterialApp(
class ImageSelectionScreen extends StatelessWidget {
   Widget build(BuildContext context) {
    return Scaffold(
            title: Text('Latihan Memilih Gambar'),
backgroundColor: Colors.amber[300],
            child: Column(
   mainAxisAlignment: MainAxisAlignment.center,
                  Container(
width: 150,
height: 150,
decoration: BoxDecoration(
                        border: Border.all(color: Colors.grey),
borderRadius: BorderRadius.circular(15),
                      ),
child: Icon(
                        color: Colors.grey,
                        ),
SizedBox(width: 10),
ElevatedButton.icon(
coPressed: () {},
                           tevatedButton.tCon(
onPressed: () {},
icon: Icon(Icons.photo_library),
label: Text('Gallery'),
style: ElevatedButton.styleFrom(
backgroundColor: Colors.amber[200],
foregroundColor: Colors.black,
                  onPressed: () {},
child: Text('Hapus Gambar'),
style: ElevatedButton.styleFrom(
                        backgroundColor: Colors.amber,
foregroundColor: Colors.black,
padding: EdgeInsets.symmetric(horizontal: 30, vertical:
```

- Screenshoot Output



Deskripsi Program

Kode di atas membuat aplikasi Flutter sederhana dengan antarmuka untuk latihan memilih gambar. Terdapat tampilan utama berupa AppBar dengan judul "Latihan Memilih Gambar." Di dalam Scaffold, komponen utama adalah Column yang menampilkan ikon gambar dalam Container, diikuti oleh dua tombol untuk "Camera" dan "Gallery," serta satu tombol "Hapus Gambar." Tombol-tombol ini diatur dalam Row dan diberi warna latar kuning muda dengan tulisan hitam agar serasi. Semua tombol saat ini tidak memiliki fungsi dan hanya untuk tampilan antarmuka.

B. UNGUIDED

- Code Program:
 - a. Main.dart.

```
class MyApp extends StatelessWidget {
    @override
    Widget build(BuildContext context) {
        return MaterialApp(
        title: 'Lathan Memilih Gambar',
        theme: ThemeData(
        primarySwatch: Colors.blue,
        }
}
      Future<void> _pickEr = ImagePicker();

Future<void> _pickImageFromGallery() async {
    final pickedFile = await _picker.pickImage(source:
    ImageSofpekgetlkey);
    lungeFile = File(pickedFile.path);
    });
}

}
         ),
),
SizedBox(height: 32),
Row(
mainAxisAlignment: MainAxisAlignment.spaceEvenly,
children: [
ElevatedButton.icon(
onPressed: _pickImageFromCamera,
icon: Icons.camera),
label: Text('Camera'),
style: ElevatedButton.styleFrom(
backgroundColor: Colors.blue,
),
                                        ),
ElevatedButton.icon(
onPressed: _pick[mageFromGallery,
icon: Icon(Icons.photo),
label: Text('Gallery'),
style: ElevatedButton.styleFrom(
backgroundColor: Colors.blue,
```

b. Build.gradle (android)

```
allprojects {
   repositories {
        google()
       mavenCentral()
    }
}
rootProject.buildDir = "../build"
subprojects {
   project.buildDir =
}${rootProject.buildDir}/${project.name}"
subprojects {
   project.evaluationDependsOn(":app")
}
tasks.register("clean", Delete) {
   delete rootProject.buildDir
}
```

c. Build.gradle (app)

```
plugins {
    dd "com.android.application"
    id "kotlin-android"
    // The Flutter Gradle Plugin must be applied after the Android and Kotlin Gradle plugins.
    id "dev.flutter.flutter-gradle-plugin"
}
android {
    namespace = "com.example.tugas9"
    compileSdk = flutter.compileSdkVersion
    ndkVersion = flutter.ndkVersion

    compileOptions {
        sourceCompatibility = JavaVersion.VERSION_1_8
        }
    kotlinOptions {
        jvmTarget = JavaVersion.VERSION_1_8
    }

    defaultConfig {
            // T000: Specify your own unique Application ID
            (https://developer.android.com/studio/build/application-id.html).
            applicationId = "com.example.tugas9"
            // You can update the following values to match your application needs.
            // For more information, see: https://flutter.dev/to/review-gradle-config.
            minSdkVersion 21
            targetSdk = flutter.targetSdkVersion
            versionName = flutter.versionCode
            versionName = flutter.versionCode
            versionMame = flutter.versionFigs.debug
    }
}
flutter {
    source = "../.."
}

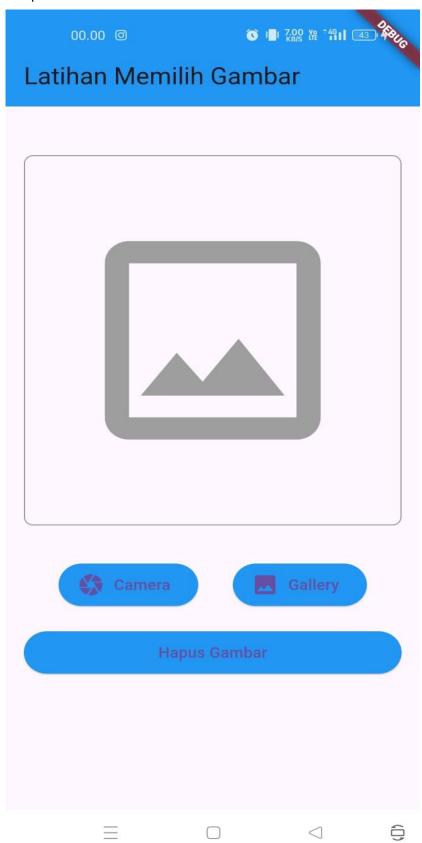
flutter {
    source = "../.."
}
```

d. Pubspec.yaml

```
ne: tugas9
                               n: "A new Flutter project."
        cription: "A new Flutter project."
he following line prevents the package from being accidentally published to
ub.dev using flutter pub publish. This is preferred for private packages.
lish_to: 'none' # Remove this line if you wish to publish to pub.dev
version: 1.0.0+1
    # The following adds the Cupertino Icons font to your application.
# Use with the CupertinoIcons class for iOS style icons.
cupertino_icons: ^1.0.8
image_picker: ^1.1.2
    # The "flutter_lints" package below contains a set of recommended lints to
# encourage good coding practices. The lint set provided by the package is
# activated in the analysis_options.yaml file located at the root of your
# package. See that file for information about deactivating specific lint
# rules and activating additional ones.
flutter_lints: ^4.0.0
```

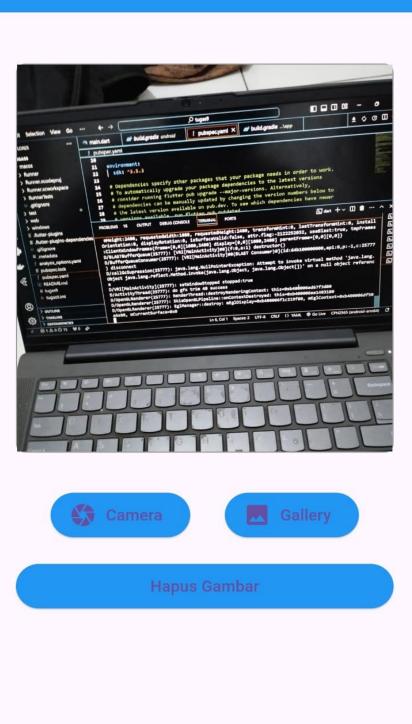
e. Output Program:

1. Tampilan Utama

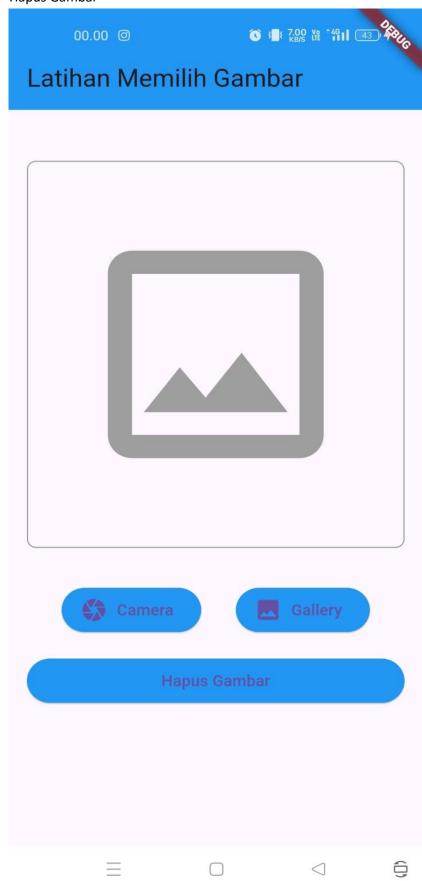


2. Photo

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3. Hapus Gambar



C. Deskripsi Program

Program ini merupakan aplikasi berbasis Flutter untuk latihan memilih gambar dengan tiga fitur utama. Pengguna dapat mengambil gambar menggunakan kamera, memilih gambar dari galeri, atau menghapus gambar yang telah dipilih. Gambar yang dipilih akan ditampilkan di area tampilan utama di tengah aplikasi. Antarmuka sederhana ini mempermudah pengguna dalam melakukan interaksi dengan fitur yang disediakan.