TUGAS PENDAHULUAN
PEMROGRAMAN PERANGKAT BERGERAK

MODUL IX

API PERANGKAT KERAS

Disusun Oleh :

Dewi Atika Muthi – 2211104042

SES1-06-02

Asisten Praktikum :

Muhammad Faza Zulian Gesit Al Barru

Aisyah Hasna Aulia

Dosen Pengampu :

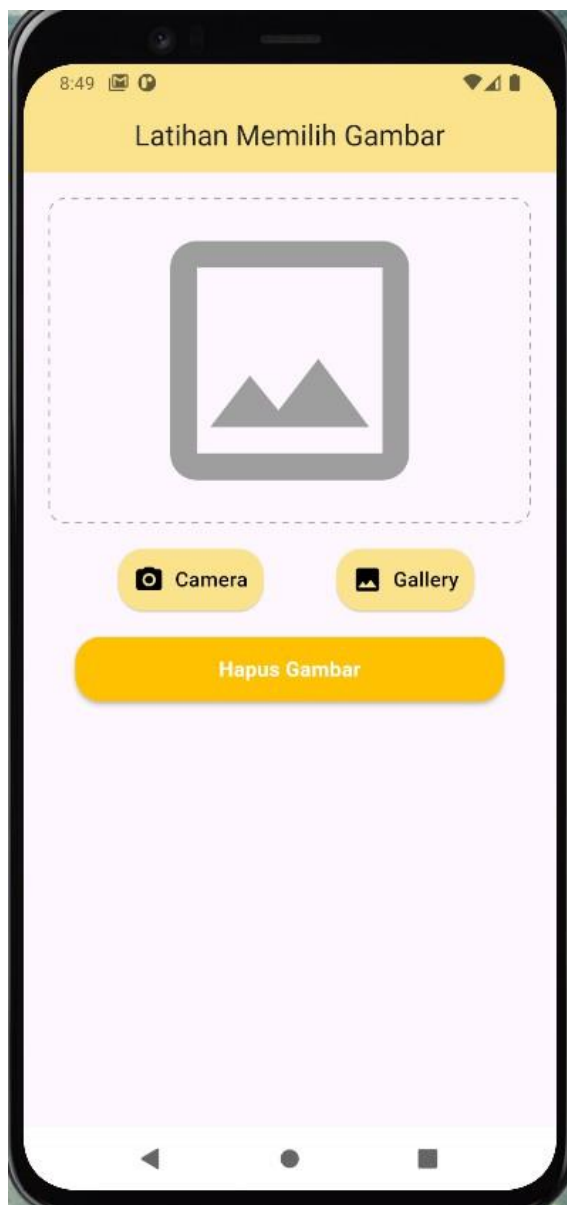**Yudha Islami Sulistya, S.Kom., M.Cs.**

PROGRAM STUDI S1 SOFTWARE ENGINEERING

FAKULTAS INFORMATIKA

TELKOM UNIVERSITY PURWOKERTO

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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.

Contoh tampilan

Source code

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

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

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      debugShowCheckedModeBanner: false,
      theme: ThemeData(
        primaryColor: Colors.pink,
        colorScheme: ColorScheme.fromSwatch().copyWith(
          primary: Colors.pink,
          secondary: Colors.pinkAccent,
        ),
        elevatedButtonTheme: ElevatedButtonThemeData(
          style: ElevatedButton.styleFrom(
            minimumSize: Size(100, 40), // Ukuran minimum yang lebih kecil
            padding: EdgeInsets.symmetric(vertical: 8, horizontal: 16),
            shape: RoundedRectangleBorder(
              borderRadius: BorderRadius.circular(8),
            ),
          ),
        ),
      ),
      home: ImageButtonScreen(),
    );
  }
}

class ImageButtonScreen extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        backgroundColor: Colors.pink,
        title: Text(
          'Manage Images',
          style: TextStyle(color: Colors.white),
        ),
        centerTitle: true,
      ),
      body: SingleChildScrollView(
        child: Padding(
          padding: const EdgeInsets.all(16.0),
          child: Column(
            mainAxisAlignment: MainAxisAlignment.center,
            children: [
              // Card with Image Placeholder
              Card(
                shape: RoundedRectangleBorder(
                  borderRadius: BorderRadius.circular(12),
                ),
                elevation: 5,
                child: Padding(
                  padding: const EdgeInsets.all(16.0),
                  child: Column(
                    children: [
                      Container(
                        width: double.infinity,
                        height: MediaQuery.of(context).size.height * 0.3,
                        constraints: BoxConstraints(
                          maxHeight: 200,
                          minHeight: 150,
                        ),
```
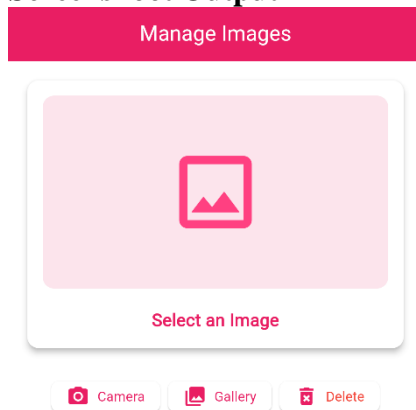
```
                    decoration: BoxDecoration(
                      color: Colors.pink.shade50,
                      borderRadius: BorderRadius.circular(12),
                    ),
                    child: Icon(
                      Icons.image_outlined,
                      size: 100,
                      color: Colors.pinkAccent,
                    ),
                  ),
                  SizedBox(height: 20),
                  Text(
                    'Select an Image',
                    style: TextStyle(
                      fontSize: 18,
                      fontWeight: FontWeight.bold,
                      color: Colors.pink,
                    ),
                  ),
                ],
              ),
            ),
          ),
          SizedBox(height: 30),
          // Buttons using Wrap instead of Row
          Wrap(
            spacing: 8.0,
            runSpacing: 8.0,
            alignment: WrapAlignment.spaceEvenly,
            children: [
              // Camera Button
              ElevatedButton.icon(
                onPressed: () {},
                icon: Icon(Icons.camera_alt, color: Colors.pink),
                label: Text('Camera'),
                style: ElevatedButton.styleFrom(
                  backgroundColor: Colors.white,
                  foregroundColor: Colors.pink,
                ),
              ),
              // Gallery Button
              ElevatedButton.icon(
                onPressed: () {},
                icon: Icon(Icons.photo_library, color: Colors.pink),
                label: Text('Gallery'),
                style: ElevatedButton.styleFrom(
                  backgroundColor: Colors.white,
                  foregroundColor: Colors.pink,
                ),
              ),
              // Delete Image Button
              ElevatedButton.icon(
                onPressed: () {},
                icon: Icon(Icons.delete_forever, color: Colors.pink),
                label: Text(
                  'Delete',
                  style: TextStyle(color: Colors.red),
                ),
                style: ElevatedButton.styleFrom(
                  backgroundColor: Colors.white,
                ),
              ),
            ],
          ),
        ],
      ),
    ),
  ),
 );
 }
}
```

Screenshoot Output

Deskripsi Program

Menggunakan tema warna pink sebagai warna utama, dimana dalam program ini memiliki AppBar dengan judul "Manage Images", menampilkan card dengan placeholder gambar dilengkapi 3 tombol utama untuk interaksi

- Camera: Tombol untuk mengakses kamera device
- Gallery: Tombol untuk memilih gambar dari galeri
- Delete: Tombol untuk menghapus gambar yang dipilih