

LAPORAN PRAKTIKUM

Pertemuan Ke : 6

PEMROGRAMAN PERANGKAT BERGERAK



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PROGRAM STUDI TEKNIK REKAYASA MULTIMEDIA

JURUSAN TEKNIK INFORMATIKA

POLITEKNIK NEGERI BATAM 2023

Latihan Praktikum 6

Pemrograman Perangkat Bergerak

Jurusan Teknik Informatika

Politeknik Negeri Batam

1. Image Picker

Source Code :

```
import 'dart:io';

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

void main() => runApp(const MyApp());

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

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Flutter Demo',
      theme: ThemeData(primarySwatch: Colors.blue),
      home: const AccessCameraPage(),
    );
  }
}

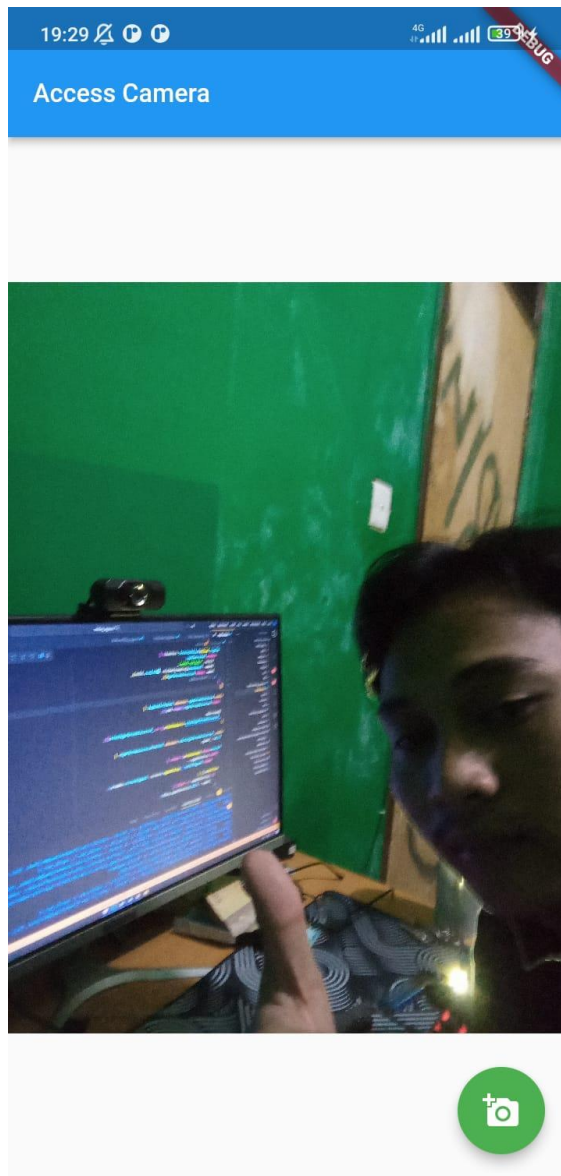
class AccessCameraPage extends StatefulWidget {
  const AccessCameraPage({super.key});

  @override
  _AccessCameraPageState createState() => _AccessCameraPageState();
}
```

```
class _AccessCameraPageState extends State<AccessCameraPage> {  
  File? _image;  
  
  Future<void> openCamera() async {  
    final pickedImage =  
      await ImagePicker().pickImage(source: ImageSource.camera);  
  
    setState(() {  
      if (pickedImage != null) {  
        _image = File(pickedImage.path);  
      }  
    });  
  }  
  
  @override  
  Widget build(BuildContext context) {  
    return Scaffold(  
      appBar: AppBar(  
        title: const Text("Access Camera"),  
      ),  
      body: Container(  
        child: Center(  
          child: _image == null ? const Text("No Image") : Image.file(_image!),  
        ),  
      ),  
      floatingActionButton: FloatingActionButton(  
        backgroundColor: Colors.green,  
        onPressed: () {  
          openCamera();  
        },  
        child: const Icon(  
          Icons.add_a_photo,  
          color: Colors.white,  
        ),  
      ),  
    );  
  }  
}
```

```
    },  
    );  
}  
}
```

Hasilnya :



2. Video Player

Source Code :

```
import 'dart:async';

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

void main() => runApp(const VideoPlayerApp());

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

  @override
  Widget build(BuildContext context) {
    return const MaterialApp(
      title: 'Video Player Demo',
      home: VideoPlayerScreen(),
    );
  }
}

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

  @override
  State<VideoPlayerScreen> createState() => _VideoPlayerScreenState();
}

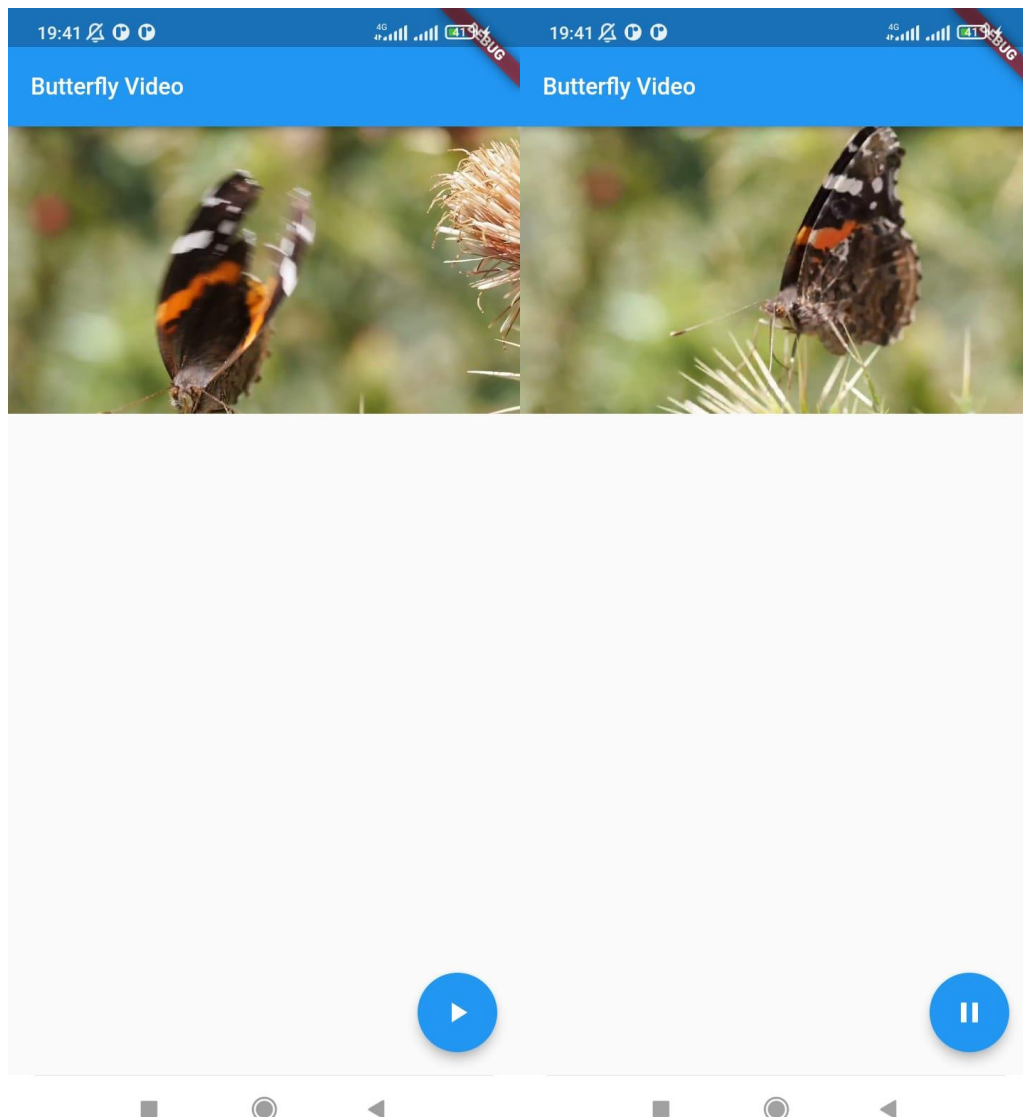
class _VideoPlayerScreenState extends State<VideoPlayerScreen> {
  late VideoPlayerController _controller;
  late Future<void> _initializeVideoPlayerFuture;

  @override
  void initState() {
    super.initState();
    _controller = VideoPlayerController.network(
      'https://flutter.github.io/assets-for-api-docs/assets/videos/butterfly.mp4',
    );
  }
}
```

```
);  
_initializeVideoPlayerFuture = _controller.initialize();  
_controller.setLooping(true);  
}  
  
@override  
void dispose() {  
  _controller.dispose();  
  super.dispose();  
}  
  
@override  
Widget build(BuildContext context) {  
  return Scaffold(  
    appBar: AppBar(  
      title: const Text('Butterfly Video'),  
    ),  
    body: FutureBuilder(  
      future: _initializeVideoPlayerFuture,  
      builder: (context, snapshot) {  
        if (snapshot.connectionState == ConnectionState.done) {  
          return AspectRatio(  
            aspectRatio: _controller.value.aspectRatio,  
            child: VideoPlayer(_controller),  
          );  
        } else {  
          return const Center(  
            child: CircularProgressIndicator(),  
          );  
        }  
      },  
    ),  
    floatingActionButton: FloatingActionButton(  
      onPressed: () {
```

```
        setState(() {  
          if (_controller.value.isPlaying) {  
            _controller.pause();  
          } else {  
            _controller.play();  
          }  
        });  
      },  
      child: Icon(  
        _controller.value.isPlaying ? Icons.pause : Icons.play_arrow,  
      ),  
    ),  
  );  
}
```

Hasilnya :



Berikut ini link dari source code praktikum yang saya upload di github :

https://github.com/AhmadMegistus/4312111019_Dimas-Putra-Ramadhan.git