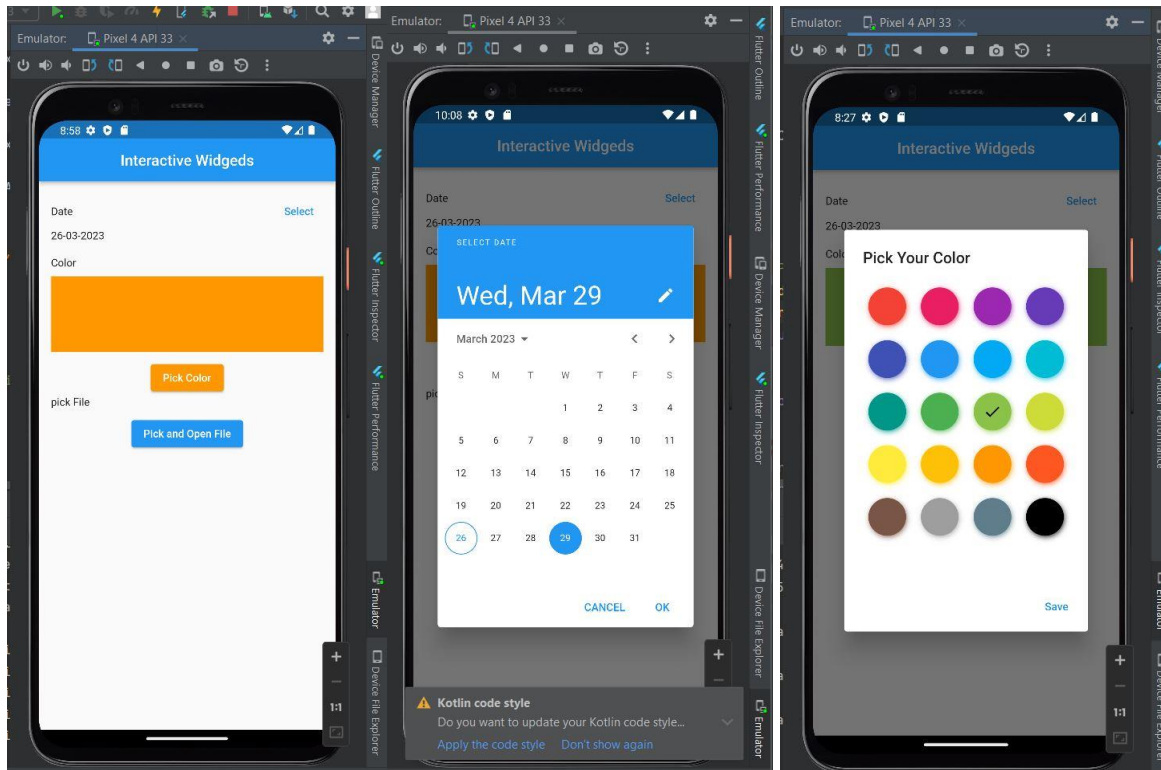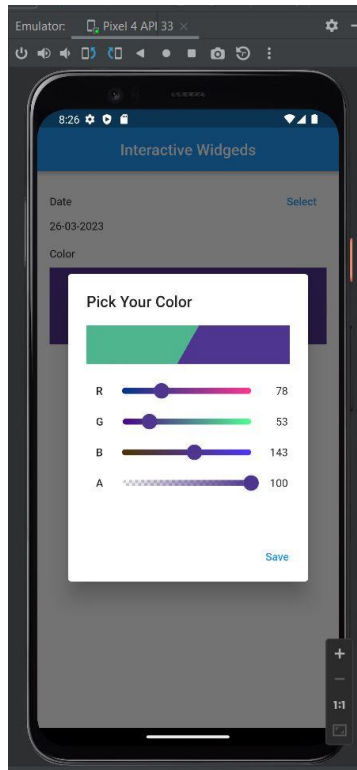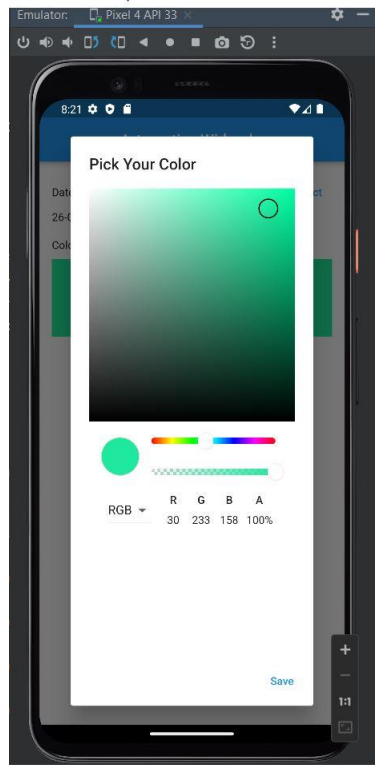# Soal Prioritas 1 (80)

1. buat sebuah halaman baru dan implementasikan date picker dan color picker seperti pada gambar dan video contoh pembuatan ada di alta.id

Pertama kita mengunakan packages install dulu packages nya du pubspec.yaml

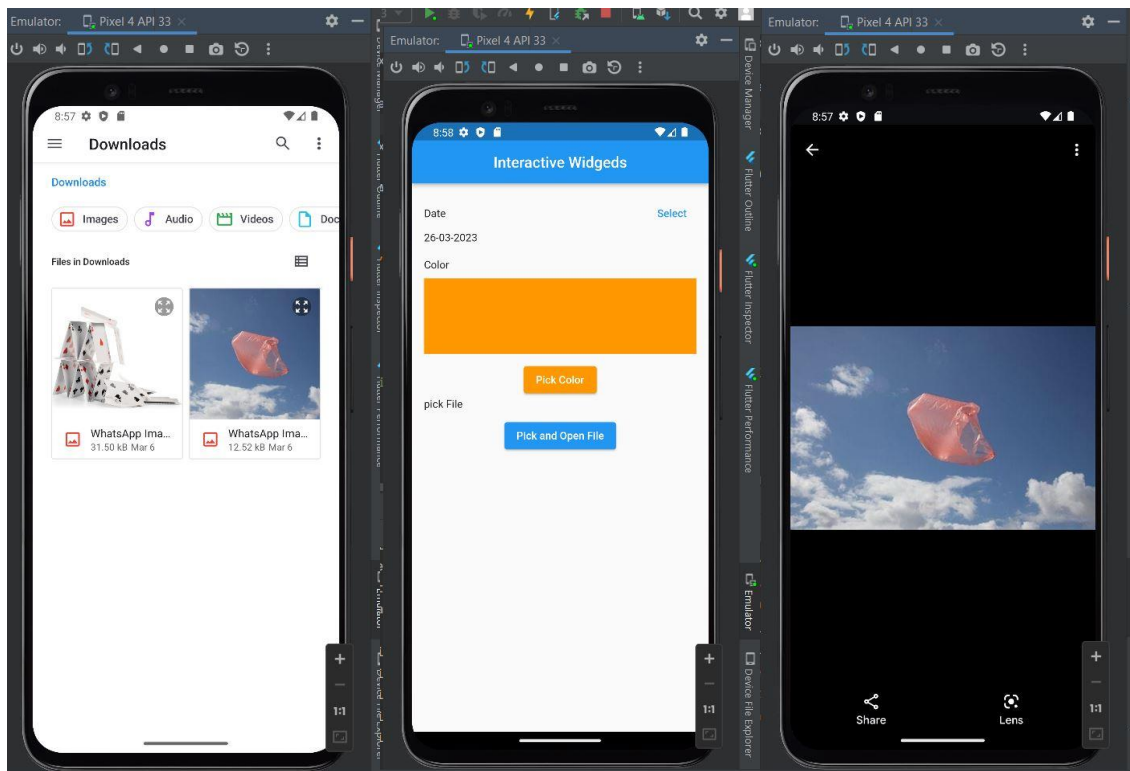Setelah itu di import di file yang akan dibuat


```dart
import 'package:file_picker/file_picker.dart';
import 'package:flutter/material.dart';
import 'package:intl/intl.dart';
import 'package:flutter_colorpicker/flutter_colorpicker.dart';
import 'package:open_file/open_file.dart';

class HomePage extends StatefulWidget {
  const HomePage({Key? key}) : super(key: key);

  @override
  State<HomePage> createState() => _HomePageState();
}

class _HomePageState extends State<HomePage> {
  DateTime _dueDate = DateTime.now();
  final currentDate = DateTime.now();
  Color _currentColor = Colors.orange;
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(title: const Text('Interactive Widgets'),
        centerTitle: true,
      ), // AppBar
      body: Container(padding: const EdgeInsets.all(16),
        child: ListView(
          children: [
              //buildDatePicker
            buildDatePicker(context),
            const SizedBox(height: 20,
            ), // SizedBox
            //buildcolorpicker
          buildColorPicker(context),
            //buildfilepiker
```

```dart
Widget buildDatePicker(BuildContext context){
  return Column(
    crossAxisAlignment: CrossAxisAlignment.start,
    children: [
      Row(
        mainAxisAlignment: MainAxisAlignment.spaceBetween,
        children: [
          const Text('Date'),
          TextButton(onPressed: () async {
            final selectDate = await showDatePicker(
                context: context,
                initialDate: currentDate,
                firstDate: DateTime(1990),
                lastDate: DateTime(currentDate.year + 5)
            );
            setState(() {
              if(selectDate != null){
                _dueDate = selectDate;
              }
            });
          },
            child: const Text('Select'),
          ), // TextButton
        ],
      ), // Row
      Text(
        DateFormat('dd-MM-yyyy').format(_dueDate),
      ), // Text
    ],
  ); // Column
}
```

```dart
Widget buildColorPicker(BuildContext context){
  return Column(
    crossAxisAlignment: CrossAxisAlignment.start,
    children: [
      const Text('Color'),
      const SizedBox(
        height: 10,
      ), // SizedBox
      Container(
        height: 100,
        width: double.infinity,
        color: _currentColor,
      ), // Container
      const SizedBox(height: 10,),
      Center(
        child: ElevatedButton(
          style: ButtonStyle(backgroundColor: MaterialStateProperty.all(_cu
          onPressed: (){
            showDialog(
                context: context,
                builder: (context){
                  return AlertDialog(
                    title: const Text('Pick Your Color'),
                    content: SingleChildScrollView(
                      child: BlockPicker(
                        pickerColor: _currentColor,
                        onColorChanged: (color){
                          setState(() {
                            _currentColor = color;
                          });
                        },
                      ), // BlockPicker
                    ), // SingleChildScrollView
                    actions: [
                      TextButton(
                        onPressed: (){
                          Navigator.pop(context);
                        },
                        child: const Text('Save'),
                      ), // TextButton
                    ],
                  ); // AlertDialog
                },
            );
          },
          child: const Text('Pick Color'),
```

2. implementasikan file picker seperti yang di contohkan pada video


```
124    Widget buildFilePicker(BuildContext context){
125        return Column(
126            crossAxisAlignment: CrossAxisAlignment.start,
127            children: [
128                const Text('pick File'),
129                const SizedBox(height: 10,),
130                Center(
131                    child: ElevatedButton(
132                        onPressed: (){
133                            _pickFile();
134                        },
135                        child:const Text('Pick and Open File'))),  // ElevatedButton, Center
136
137            ],
138        );  // Column
139    }
140    void _pickFile () async {
141        final result = await FilePicker.platform.pickFiles();
142        if(result == null) return;
143
144        final file = result.files.first;
145        _openFile(file);
146    }
147    void _openFile(PlatformFile file){
148        OpenFile.open(file.path);
149    }
150  }
151
152
```