Soal Advance Form

1. buat sebuah halaman baru dan implementasikan date picker dan color picker seperti pada gambar dan video contoh pembuatan ada di alta.id
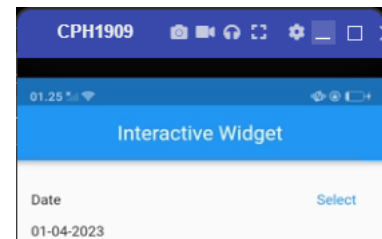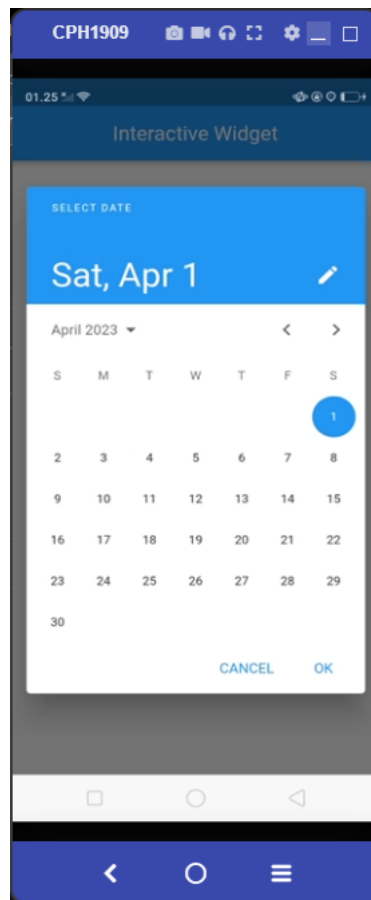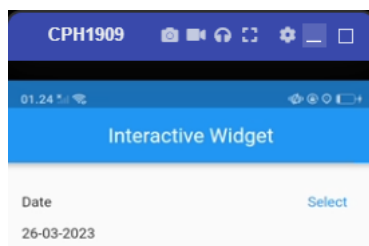
```dart
lib > HomePage.dart > _HomePageState > _pickfile
1   import 'package:file_picker/file_picker.dart';
2   import 'package:flutter/material.dart';
3   import 'package:intl/intl.dart';
4   import 'package:flutter_colorpicker/flutter_colorpicker.dart';
5   import 'package:open_file/open_file.dart';
6
7   class HomePage extends StatefulWidget {
8     const HomePage({super.key});
9
10    @override
11    State<HomePage> createState() => _HomePageState();
12  }
13
14  class _HomePageState extends State<HomePage> {
15    DateTime _duedate = DateTime.now();
16    final currentDate = DateTime.now();
17    Color _curentColor = Colors.orange;
18    @override
19    Widget build(BuildContext context) {
20      return Scaffold(
21        appBar: AppBar(
22          title: const Text('Interactive Widget'),
23          centerTitle: true,
24        ), // AppBar
25        body: Container(
26          padding:const EdgeInsets.all(16) ,
27          child: ListView(
28            children: [
29              //buildDatePicker
30              buildDatePicker(context),
31              const SizedBox(
32                height: 20,
33              ), // SizedBox
34              //buildColorPicker
35              buildColorPicker(context),
36              //buildFilePicker
37              buildFilePicker(),
38            ],
39          ), // ListView
40        ), // Container
41      ); // Scaffold
42    }
43
```

```dart
lib > main.dart > MyApp > build
1   import 'package:flutter/material.dart';
2
3   import 'HomePage.dart';
4
    Run | Debug | Profile
5   void main() {
6     runApp(const MyApp());
7   }
8
9   class MyApp extends StatelessWidget {
10    const MyApp({super.key});
11
12    // This widget is the root of your application.
13    @override
14    Widget build(BuildContext context) {
15      return MaterialApp(
16        debugShowCheckedModeBanner: false,
17        title: 'Advance User Input',
18        theme: ThemeData(
19
20          primarySwatch: Colors.blue,
21        ), // ThemeData
22        home: const HomePage(),
23      ); // MaterialApp
24    }
25  }
26
27
```

Date Picker :

```
43
44    Widget buildDatePicker(BuildContext context){
45        return Column(
46         crossAxisAlignment: CrossAxisAlignment.start,
47         children: [
48           Row(
49             mainAxisAlignment: MainAxisAlignment.spaceBetween,
50             children: [
51               const Text('Date'),
52               TextButton(
53                 onPressed: () async {
54                   final selectDate = await showDatePicker(
55                     context: context,
56                     initialDate: currentDate,
57                     firstDate: DateTime(1990),
58                     lastDate: DateTime(currentDate.year+5)
59                   );
60
61                   setState(() {
62                     if(selectDate !=null){
63                       _duedate = selectDate;
64                     }
65                   });
66                 },
67                 child: const Text('Select'),
68               ) // TextButton
69
70             ],
71           ), // Row
72           Text(
73             DateFormat('dd-MM-yyyy').format(_duedate)), // Text
74         ],
75       ); // Column
76    }
77
```
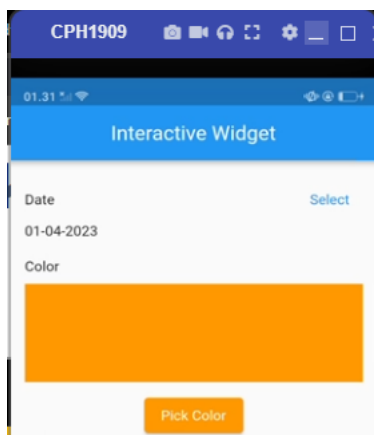
Output :

Color Picker

```
78    Widget buildColorPicker(BuildContext context){
79      return Column(
80        crossAxisAlignment: CrossAxisAlignment.start,
81        children: [
82          const Text('Color'),
83          const SizedBox(
84            height: 10,
85          ), // SizedBox
86          Container(
87            height: 100,
88            width: double.infinity,
89            color: _curentColor,
90          ), // Container
91          const SizedBox(
92            height: 10,
93          ), // SizedBox
94          Center(
95            child: ElevatedButton(
96              style: ButtonStyle(
97                backgroundColor: MaterialStateProperty.all(_curentColor)
98              ), // ButtonStyle
99              onPressed: (){
100               showDialog(
101                 context: context,
102                 builder: (context){
103                   return AlertDialog(
104                     title: const Text('Pick Your Color'),
105                     content: SingleChildScrollView(
106                       child: SlidePicker(
107                         pickerColor: _curentColor,
108                         onColorChanged: (color) {
109                           setState(() {
110                             _curentColor = color;
111                           });
```

```
112                       },
113                     ), // SlidePicker
114                   ), // SingleChildScrollView
115                   actions: [
116                     TextButton(
117                       onPressed: (){
118                         Navigator.pop(context);
119                       },
120                       child: const Text('Save'),
121                     ), // TextButton
122                   ],
123                 ); // AlertDialog
124               },
125             );
126           },
127           child: const Text('Pick Color'),
128         ), // ElevatedButton
129       ), // Center
130     ],
131   ); // Column
132 }
```
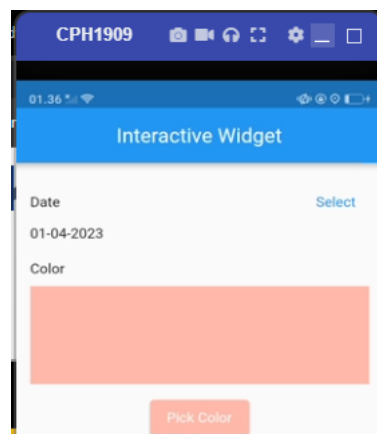
Output :
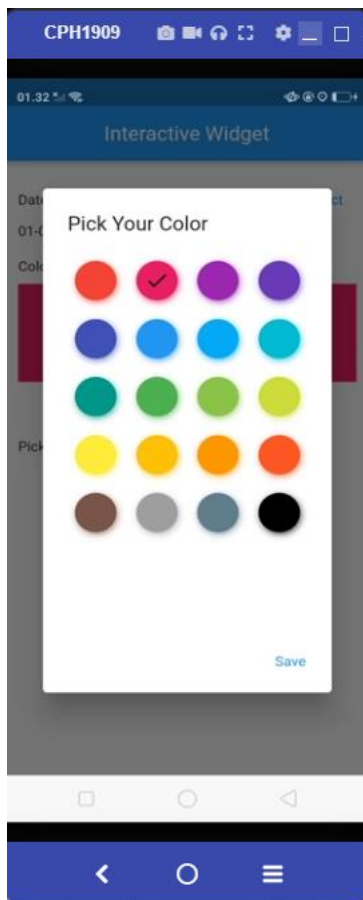
Sebelum di tekan tombolnya   Setelah ditekan dan memilih warna
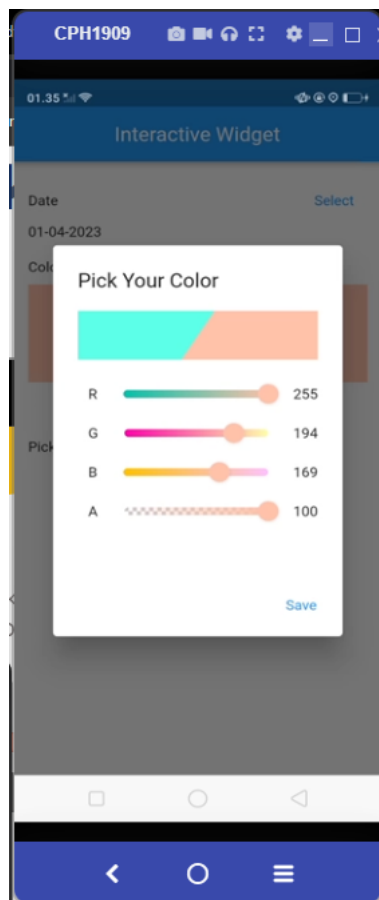
Block Picker   Color Picker   Slide Picker

2. implementasikan file picker seperti yang di contohkan pada video

```
134    Widget buildFilePicker(){
135      return Column(
136        crossAxisAlignment: CrossAxisAlignment.start,
137        children: [
138          const Text('Pick Files'),
139          const SizedBox(height: 10),
140          Center(
141            child: ElevatedButton(
142              onPressed: (){
143                _pickfile();
144              },
145              child: const Text('Pick and Open File'),
146            ), // ElevatedButton
147          ), // Center
148        ],
149      ); // Column
150    }
151
152    void _pickfile() async {
153      final result = await FilePicker.platform.pickFiles();
154      if (result == null) return;
155
156      final file = result.files.first;
157      _openFile(file);
158    }
159
160    void _openFile(PlatformFile file){
161      OpenFile.open(file.path);
162    }
163  }
```

Output :