PEMROGRAMAN MOBILE

"Laporan pertemuan 10"

Di susun oleh :

Andika Ainur Wibowo

NIM 2141720238

PROGRAM STUDI D-IV TEKNIK INFORMATIKA

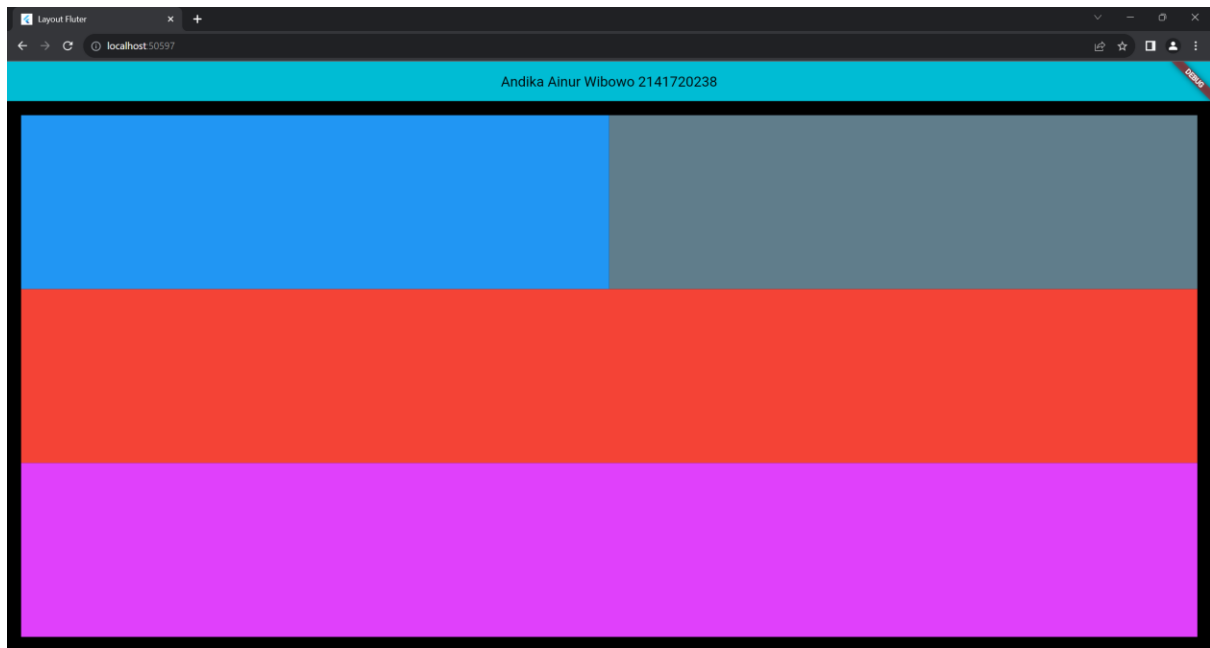**JURUSAN TEKNOLOGI INFORMASI**

POLITEKNIK NEGERI MALANG

Layout

Source code:

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

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

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: MyHomePage(),
    );
  }
}

class MyHomePage extends StatefulWidget {
  @override
  State<MyHomePage> createState() => _MyHomePageState();
}

class _MyHomePageState extends State<MyHomePage> {
  DateTime selectDate = DateTime.now();

  // This widget is the root of your application.
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Layout Fluter',
      debugShowCheckedModeBanner: false,
      theme: ThemeData(
        primarySwatch: Colors.cyan,
      ),
      home: Scaffold(
        appBar: AppBar(
          title: const Text('Andika Ainur Wibowo 2141720238'),
          centerTitle: true,
        ),
        body: Container(
          // margin: const EdgeInsets.all(20),
          padding: const EdgeInsets.all(20),
          color: Colors.black,
          child: Column(
            children: [
              Expanded(
                // width: double.infinity,
                // height: 200,
                child: Row(children: [
                  Expanded(
                      child: Container(
                    // margin: EdgeInsets.all(20),
                    height: 1000,
                    width: 1200,
                    alignment: Alignment.center,
                    color: Colors.blue,
                  )),
                  Expanded(
                      child: Container(
                    // margin: EdgeInsets.all(20),
                    height: 1000,
                    width: 1200,
                    alignment: Alignment.center,
                    color:Colors.blueGrey,
                    // child: Icon(Icons.catching_pokemon)
                  )),
                ]),
              ),
              Expanded(
                // width: double.infinity,
                // height: 200,
                child: Row(
                  children: [
                    Expanded(
                        child: Container(
                      // margin: EdgeInsets.all(20),
                      height: 1000,
                      width: 1200,
                      alignment: Alignment.center,
                      color: Colors.red,
                    )),
                  ],
                )),
              Expanded(
                // width: double.infinity,
                // height: 200,
                child: Row(children: [
                  Expanded(
                      child: Container(
                          // margin: EdgeInsets.all(20),
                          color: Colors.purpleAccent,
                          child: Column(
                              mainAxisAlignment: MainAxisAlignment.center,
                              children: [
                              ]))),
                ]))
            ],
          ),
        ),
      ),
    );
  }
}
```

Adding text, icon, image, and date picker into container with margin

Source code:

```
1   import 'package:flutter/material.dart';
2
3   void main() {
4     runApp(MyApp());
5   }
6
7   class MyApp extends StatelessWidget {
8     @override
9     Widget build(BuildContext context) {
10      return MaterialApp(
11        home: MyHomePage(),
12      );
13    }
14  }
15
16  class MyHomePage extends StatefulWidget {
17    @override
18    State<MyHomePage> createState() => _MyHomePageState();
19  }
```

String:

```
1   class _MyHomePageState extends State<MyHomePage> {
2     DateTime selectDate = DateTime.now();
3
4     // This widget is the root of your application.
5     @override
6     Widget build(BuildContext context) {
7       return MaterialApp(
8         title: 'Layout Fluter',
9         debugShowCheckedModeBanner: false,
10        theme: ThemeData(
11          primarySwatch: Colors.cyan,
12        ),
13        home: Scaffold(
14          appBar: AppBar(
15            title: const Text('Andika Ainur Wibowo 2141720238'),
16            centerTitle: true,
17          ),
18          body: Container(
19            // margin: const EdgeInsets.all(20),
20            padding: const EdgeInsets.all(20),
21            color: Colors.black,
22            child: Column(
23              children: [
24                Expanded(
25                  // width: double.infinity,
26                  // height: 200,
27                  child: Row(children: [
28                    Expanded(
29                        child: Container(
30                      margin: EdgeInsets.all(20),
31                      height: 1000,
32                      width: 1200,
33                      alignment: Alignment.center,
34                      color: Colors.blue,
35                      child:
36                      Text("This is Text", style: TextStyle(fontSize: 30))
37                    )),
```

Icon

```
1   Expanded(
2                 child: Container(
3              margin: EdgeInsets.all(20),
4              height: 1000,
5              width: 1200,
6              alignment: Alignment.center,
7              color:Colors.blueGrey,
8              child: Icon(Icons.wallet_giftcard)
9            )),
10        ]),
11       ),
```

Image

```
Expanded(
    child: Container(
    margin: EdgeInsets.all(20),      Use 'const
    height: 1000,
    width: 1200,
    alignment: Alignment.center,
    color:  Colors.red,
    child: Image.network(
        'data:image/jpeg;base64,/9j/4AAQSkZJRg
)), // Container // Expanded
],
)), // Row // Expanded
```

Date picker

```
1   Expanded(
2                   // width: double.infinity,
3                   // height: 200,
4               child: Row(children: [
5           Expanded(
6             child: Container(
7                   margin: EdgeInsets.all(20),
8                   color: Colors.purpleAccent,
9                   child: Column(
10                      mainAxisAlignment: MainAxisAlignment.center,
11                       children: [
12                         Text(
13                           selectDate.toString(),
14                           style: TextStyle(
15                             fontSize: 25,
16                             fontWeight: FontWeight.bold,
17                           ),
18                         ),
19                         SizedBox(height: 25),
20                         OutlinedButton(
21                           onPressed: () {
22                             showDatePicker(
23                               context: context,
24                               initialDate: selectDate,
25                               firstDate: DateTime(2000),
26                               lastDate: DateTime(2025),
27                             ).then((value) {
28                               setState(() {
29                                 selectDate = value!;
30                               });
31                             });
32                           },
33                           child: Text("Select Date Picker"),
34                         ),
35                       ]))),
36           ]))
```