

PERTEMUAN 13

Mengambil Detail Poli dari API

Buka file **poli_detail.dart** pada folder **ui**, kita akan menambahkan fungsi

```
Stream<Poli> getData() async* {  
  Poli data = await PoliService().getById(widget.poli.id.toString());  
  yield data;  
}
```

Dan melakukan perubahan pada bagian body menjadi

```
body: StreamBuilder(
  stream: getData(),
  builder: (context, AsyncSnapshot snapshot) {
    if (snapshot.hasError) {
      return Text(snapshot.error.toString());
    }
    if (snapshot.connectionState != ConnectionState.done) {
      return Center(
        child: CircularProgressIndicator(),
      );
    }
    if (!snapshot.hasData &&
      snapshot.connectionState == ConnectionState.done) {
      return Text('Data Tidak Ditemukan');
    }
    return Column(
      children: [
        SizedBox(height: 20),
        Text(
          "Nama Poli : ${snapshot.data.namaPoli}",
          style: TextStyle(fontSize: 20),
        ),
        SizedBox(height: 20),
        Row(
          mainAxisAlignment: MainAxisAlignment.spaceEvenly,
          children: [_tombolUbah(), _tombolHapus()],
        ),
      ],
    );
  },
);
```

Pada fungsi `_tombolUbah()` menjadi

```
_tombolUbah() {  
  return StreamBuilder(  
    stream: getData(),  
    builder: (context, AsyncSnapshot snapshot) => ElevatedButton(  
      onPressed: () {  
        Navigator.push(  
          context,  
          MaterialPageRoute(  
            builder: (context) =>  
              PoliUpdateForm(poli: snapshot.data)));  
        },  
      style: ElevatedButton.styleFrom(primary: Colors.green),  
      child: const Text("Ubah"))));  
}
```

- Sehingga secara keseluruhan kodenya menjadi seperti berikut

```
1. import 'package:flutter/material.dart';
2. import '../service/poli_service.dart';
3. import 'poli_page.dart';
4. import 'poli_update_form.dart';
5. import '../model/poli.dart';
6.
7. class PoliDetail extends StatefulWidget {
8.   final Poli poli;
9.
10.   const PoliDetail({Key? key, required this.poli}) : super(key: key);
11.   _PoliDetailState createState() => _PoliDetailState();
12. }
13.
14. class _PoliDetailState extends State<PoliDetail> {
15.   Stream<Poli> getData() async* {
16.     Poli data = await PoliService().getById(widget.poli.id.toString());
17.     yield data;
18.   }
19.
```

```
20. @override
21. Widget build(BuildContext context) {
22.   return Scaffold(
23.     appBar: AppBar(title: Text("Detail Poli")),
24.     body: StreamBuilder(
25.       stream: getData(),
26.       builder: (context, AsyncSnapshot snapshot) {
27.         if (snapshot.hasError) {
28.           return Text(snapshot.error.toString());
29.         }
30.         if (snapshot.connectionState != ConnectionState.done) {
31.           return Center(
32.             child: CircularProgressIndicator(),
33.           );
34.         }
35.         if (!snapshot.hasData &&
36.             snapshot.connectionState == ConnectionState.done) {
37.           return Text('Data Tidak Ditemukan');
38.         }
39.         return Column(
40.           children: [
41.             SizedBox(height: 20),
42.             Text(
43.               "Nama Poli : ${snapshot.data.namaPoli}",
44.               style: TextStyle(fontSize: 20),
45.             ),
46.             SizedBox(height: 20),
47.             Row(
```

```
48.         mainAxisAlignment: MainAxisAlignment.spaceEvenly,
49.         children: [_tombolUbah(), _tombolHapus()],
50.     )
51.   ],
52. );
53. },
54. ),
55. );
56. }
57.
58. _tombolUbah() {
59.   return StreamBuilder(
60.     stream: getData(),
61.     builder: (context, AsyncSnapshot snapshot) => ElevatedButton(
62.       onPressed: () {
63.         Navigator.push(
64.           context,
65.           MaterialPageRoute(
66.             builder: (context) =>
67.               PoliUpdateForm(poli: snapshot.data)));
68.       },
69.       style: ElevatedButton.styleFrom(primary: Colors.green),
70.       child: const Text("Ubah")));
71. }
72.
```

```

73.  _tombolHapus() {
74.    return ElevatedButton(
75.      onPressed: () {
76.        AlertDialog alertDialog = AlertDialog(
77.          content: const Text("Yakin ingin menghapus data ini?"),
78.          actions: [
79.            ElevatedButton(
80.              onPressed: (){
81.                Navigator.pop(context);
82.                Navigator.pushReplacement(context, MaterialPageRoute(builder:
      (context) => PoliPage()));
83.              },
84.              child: const Text("YA"),
85.              style: ElevatedButton.styleFrom(primary: Colors.red),
86.            ),
87.            ElevatedButton(
88.              onPressed: () {
89.                Navigator.pop(context);
90.              },
91.              child: const Text("Tidak"),
92.              style: ElevatedButton.styleFrom(primary: Colors.green),
93.            )
94.          ],
95.        );
96.        showDialog(context: context, builder: (context) => alertDialog);
97.      },
98.      style: ElevatedButton.styleFrom(primary: Colors.red),
99.      child: const Text("Hapus"));
100.    }
101.  }

```

Menghapus Data Poli dari API

Masih pada file **poli_detail.dart** pada folder **ui**, kita akan mengubah fungsi pada `_tombolHapus` menjadi

```
_tombolHapus() {  
  return ElevatedButton(  
    onPressed: () {  
      AlertDialog alertDialog = AlertDialog(  
        content: const Text("Yakin ingin menghapus data ini?"),  
        actions: [  
          StreamBuilder(  
            stream: getData(),  
            builder: (context, AsyncSnapshot snapshot) => ElevatedButton(  
              onPressed: () async {  
                await PoliService()  
                  .hapus(snapshot.data)  
                  .then((value) {  
                    Navigator.pop(context);  
                    Navigator.pushReplacement(  
                      context,  
                      MaterialPageRoute(  
                        builder: (context) => PoliPage())));  
              }));  
        ]  
      );  
    }  
  );  
}
```

```
        },  
        child: const Text("YA"),  
        style: ElevatedButton.styleFrom(primary: Colors.red),  
      )),  
      ElevatedButton(  
        onPressed: () {  
          Navigator.pop(context);  
        },  
        child: const Text("Tidak"),  
        style: ElevatedButton.styleFrom(primary: Colors.green),  
      )  
    ],  
  );  
  showDialog(context: context, builder: (context) => alertDialog);  
},  
style: ElevatedButton.styleFrom(primary: Colors.red),  
child: const Text("Hapus"));  
}
```

Sehingga secara keseluruhan kodenya menjadi seperti berikut

```
1. import 'package:flutter/material.dart';
2. import '../service/poli_service.dart';
3. import 'poli_page.dart';
4. import 'poli_update_form.dart';
5. import '../model/poli.dart';
6.
7. class PoliDetail extends StatefulWidget {
8.   final Poli poli;
9.
10.   const PoliDetail({Key? key, required this.poli}) : super(key: key);
11.   _PoliDetailState createState() => _PoliDetailState();
12. }
13.
14. class _PoliDetailState extends State<PoliDetail> {
15.   Stream<Poli> getData() async* {
16.     Poli data = await PoliService().getById(widget.poli.id.toString());
17.     yield data;
18.   }
19. }
```

```
20. @override
21. Widget build(BuildContext context) {
22.   return Scaffold(
23.     appBar: AppBar(title: Text("Detail Poli")),
24.     body: StreamBuilder(
25.       stream: getData(),
26.       builder: (context, AsyncSnapshot snapshot) {
27.         if (snapshot.hasError) {
28.           return Text(snapshot.error.toString());
29.         }
30.         if (snapshot.connectionState != ConnectionState.done) {
31.           return Center(
32.             child: CircularProgressIndicator(),
33.           );
34.         }
35.         if (!snapshot.hasData &&
36.             snapshot.connectionState == ConnectionState.done) {
37.           return Text('Data Tidak Ditemukan');
38.         }
39.         return Column(
40.           children: [
41.             SizedBox(height: 20),
```

```

42.         Text(
43.             "Nama Poli : ${snapshot.data.namaPoli}",
44.             style: TextStyle(fontSize: 20),
45.         ),
46.         SizedBox(height: 20),
47.         Row(
48.             mainAxisAlignment: MainAxisAlignment.spaceEvenly,
49.             children: [_tombolUbah(), _tombolHapus()],
50.         )
51.     ],
52. );
53. },
54. ),
55. );
56. }
57.
58. _tombolUbah() {
59.     return StreamBuilder(
60.         stream: getData(),
61.         builder: (context, AsyncSnapshot snapshot) => ElevatedButton(
62.             onPressed: () {
63.                 Navigator.push(
64.                     context,
65.                     MaterialPageRoute(
66.                         builder: (context) =>
67.                             PoliUpdateForm(poli: snapshot.data));
68.                 },
69.             style: ElevatedButton.styleFrom(primary: Colors.green),
70.             child: const Text("Ubah")));
71. }

```

```
73. _tombolHapus() {  
74.   return ElevatedButton(  
75.     onPressed: () {  
76.       AlertDialog alertDialog = AlertDialog(  
77.         content: const Text("Yakin ingin menghapus data ini?"),  
78.         actions: [  
79.           StreamBuilder(  
80.             stream: getData(),  
81.             builder: (context, AsyncSnapshot snapshot) => ElevatedButton(  
82.               onPressed: () async {  
83.                 await PoliService()  
84.                   .hapus(snapshot.data)  
85.                   .then((value) {  
86.                     Navigator.pop(context);  
87.                     Navigator.pushReplacement(  
88.                       context,  
89.                       MaterialPageRoute(  
90.                         builder: (context) => PoliPage()));  
91.                   }));  
92.             },  
93.             child: const Text("YA"),  
94.             style: ElevatedButton.styleFrom(primary: Colors.red),  
95.           )),
```

```
96.         ElevatedButton(  
97.             onPressed: () {  
98.                 Navigator.pop(context);  
99.             },  
100.             child: const Text("Tidak"),  
101.             style: ElevatedButton.styleFrom(primary: Colors.green),  
102.         )  
103.     ],  
104. );  
105.     showDialog(context: context, builder: (context) => alertDialog);  
106. },  
107. style: ElevatedButton.styleFrom(primary: Colors.red),  
108. child: const Text("Hapus"));  
109. }  
110. }
```

Mengubah Data Poli dari API

Buka file **poli_update_form.dart** pada folder **ui**, kita akan menambahkan sebuah fungsi berikut

```
Future<Poli> getData() async {  
  Poli data = await PoliService().getById(widget.poli.id.toString());  
  setState(() {  
    _namaPoliCtrl.text = data.namaPoli;  
  });  
  return data;  
}
```

Kemudian pada bagian initState diubah menjadi

```
@override  
void initState() {  
  super.initState();  
  getData();  
}
```

Kemudian pada bagian `_tombolSimpan()` diubah menjadi

```
_tombolSimpan() {  
  return ElevatedButton(  
    onPressed: () async {  
      Poli poli = new Poli(namaPoli: _namaPoliCtrl.text);  
      String id = widget.poli.id.toString();  
      await PoliService().ubah(poli, id).then((value) {  
        Navigator.pop(context);  
        Navigator.pushReplacement(  
          context,  
          MaterialPageRoute(  
            builder: (context) => PoliDetail(poli: value)));  
      });  
    },  
    child: const Text("Simpan Perubahan"));  
}
```

Adapun keseluruhan kode sebagai berikut

```
1. import 'package:flutter/material.dart';
2. import '../model/poli.dart';
3. import '../service/poli_service.dart';
4. import 'poli_detail.dart';
5.
6. class PoliUpdateForm extends StatefulWidget {
7.   final Poli poli;
8.
9.   const PoliUpdateForm({Key? key, required this.poli}) : super(key: key);
10.  _PoliUpdateFormState createState() => _PoliUpdateFormState();
11. }
12.
13. class _PoliUpdateFormState extends State<PoliUpdateForm> {
14.   final _formKey = GlobalKey<FormState>();
15.   final _namaPoliCtrl = TextEditingController();
16. }
```

```
17. Future<Poli> getData() async {
18.   Poli data = await PoliService().getById(widget.poli.id.toString());
19.   setState(() {
20.     _namaPoliCtrl.text = data.namaPoli;
21.   });
22.   return data;
23. }
24.
25. @override
26. void initState() {
27.   super.initState();
28.   getData();
29. }
30.
31. @override
32. Widget build(BuildContext context) {
33.   return Scaffold(
34.     appBar: AppBar(title: const Text("Ubah Poli")),
35.     body: SingleChildScrollView(
36.       child: Form(
37.         key: _formKey,
38.         child: Column(
39.           children: [_fieldNamaPoli(), SizedBox(height: 20), _tombolSimpan()],
40.         ),
41.       ),
42.     ),
43.   );
44. }
45.
```

```
46. _fieldNamaPoli() {
47.   return TextField(
48.     decoration: const InputDecoration(labelText: "Nama Poli"),
49.     controller: _namaPoliCtrl,
50.   );
51. }
52.
53. _tombolSimpan() {
54.   return ElevatedButton(
55.     onPressed: () async {
56.       Poli poli = new Poli(namaPoli: _namaPoliCtrl.text);
57.       String id = widget.poli.id.toString();
58.       await PoliService().ubah(poli, id).then((value) {
59.         Navigator.pop(context);
60.         Navigator.pushReplacement(
61.           context,
62.           MaterialPageRoute(
63.             builder: (context) => PoliDetail(poli: value)));
64.       });
65.     },
66.     child: const Text("Simpan Perubahan"));
67. }
68. }
```

TUGAS

Buat pula Detail, Menghapus data dan mengubah data dari API untuk tabel pegawai dan pasien