PERTEMUAN 13

Mengambil Detail Poli dari API

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

```dart
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

```dart
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.
```

```dart
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.
```

```dart
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.    }
```

```dart
          },
          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

```dart
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.               )),
```

```dart
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

```dart
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

```dart
@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.
```

```dart
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