

PERTEMUAN 12

Mengambil List Poli dari API

Buka kembali file **poli_page.dart** yang ada pada folder **ui** , kita akan menambahkan fungsi

```
Stream<List<Poli>> getList() async* {  
    List<Poli> data = await PoliService().listData();  
    yield data;  
}
```

Dan melakukan beberapa perubahan pada bagian **body** menjadi

```
body: StreamBuilder(  
  stream: getList(),  
  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 Kosong');  
    }  
  
    return ListView.builder(  
      itemCount: snapshot.data.length,  
      itemBuilder: (context, index) {  
        return PoliItem(poli: snapshot.data[index]);  
      },  
    );  
  },  
)
```

Adapun modifikasi keseluruhan menjadi seperti kode berikut

```
1. import 'package:flutter/material.dart';
2. import '../model/poli.dart';
3. import '../service/poli_service.dart';
4. import 'poli_detail.dart';
5. import 'poli_form.dart';
6. import 'poli_item.dart';
7. import '../widget/sidebar.dart';
8.
9. class PoliPage extends StatefulWidget {
10.   const PoliPage({Key? key}) : super(key: key);
11.   _PoliPageState createState() => _PoliPageState();
12. }
13.
14. class _PoliPageState extends State<PoliPage> {
15.   Stream<List<Poli>> getList() async* {
16.     List<Poli> data = await PoliService().listData();
17.     yield data;
18.   }
19.
20.   @override
21.   Widget build(BuildContext context) {
22.     return Scaffold(
```

```
23.     drawer: Sidebar(),
24.     appBar: AppBar(
25.       title: const Text("Data Poli"),
26.       actions: [
27.         GestureDetector(
28.           child: const Icon(Icons.add),
29.           onTap: () {
30.             Navigator.push(
31.               context, MaterialPageRoute(builder: (context) =>
PoliForm()));
32.           },
33.         )
34.       ],
35.     ),
```

```
36.     body: StreamBuilder(  
37.         stream: getList(),  
38.         builder: (context, AsyncSnapshot snapshot) {  
39.             if (snapshot.hasError) {  
40.                 return Text(snapshot.error.toString());  
41.             }  
42.             if (snapshot.connectionState != ConnectionState.done) {  
43.                 return Center(  
44.                     child: CircularProgressIndicator(),  
45.                 );  
46.             }  
47.             if (!snapshot.hasData &&  
48.                 snapshot.connectionState == ConnectionState.done) {  
49.                 return Text('Data Kosong');  
50.             }  
51.  
52.             return ListView.builder(  
53.                 itemCount: snapshot.data.length,  
54.                 itemBuilder: (context, index) {  
55.                     return PoliItem(poli: snapshot.data[index]);  
56.                 },  
57.             );  
58.         },  
59.     ),  
60. );  
61. }  
62. }
```

Menambah Data Poli ke API

Buka file **poli_form.dart** pada folder **ui** pada bagian fungsi `_tombolSimpan()` kita ubah menjadi seperti berikut

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

Adapun secara keseluruhan kodenya seperti 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 PoliForm extends StatefulWidget {
7.   const PoliForm({Key? key}) : super(key: key);
8.   _PoliFormState createState() => _PoliFormState();
9. }
10.
11. class _PoliFormState extends State<PoliForm> {
12.   final _formKey = GlobalKey<FormState>();
13.   final _namaPoliCtrl = TextEditingController();
14.
15.   @override
16.   Widget build(BuildContext context) {
17.     return Scaffold(
18.       appBar: AppBar(title: const Text("Tambah Poli")),
19.       body: SingleChildScrollView(
20.         child: Form(
21.           key: _formKey,
22.           child: Column(
23.             children: [_fieldNamaPoli(), SizedBox(height: 20),
24.               _tombolSimpan()],
25.           ),
26.         ),
27.       );
28.   }
```

```
29.
30. _fieldNamaPoli() {
31.   return TextField(
32.     decoration: const InputDecoration(labelText: "Nama Poli"),
33.     controller: _namaPoliCtrl,
34.   );
35. }
36.
37. _tombolSimpan() {
38.   return ElevatedButton(
39.     onPressed: () async {
40.       Poli poli = new Poli(namaPoli: _namaPoliCtrl.text);
41.       await PoliService().simpan(poli).then((value) {
42.         Navigator.pushReplacement(
43.           context,
44.           MaterialPageRoute(
45.             builder: (context) => PoliDetail(poli: value)));
46.       });
47.     },
48.     child: const Text("Simpan"));
49. }
50. }
```

TUGAS

Buat pula mengambil List serta menyimpan data ke API untuk tabel pegawai dan pasien