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

```dart
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.     ),
```

```dart
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

```dart
_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),
    _tombolSimpan()],
24.           ),
25.         ),
26.       ),
27.     );
28.   }
```

```dart
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