

# Ujian Tengah Semester Genap Tahun Ajaran 2021/2022

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## JAWABAN

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

import 'package:http/http.dart as http';
import 'dart:async';
import 'dart:convert';

void void main() => runApp(MyApp());
String url =
"http://localhost/phpmyadmin/db_structure.php?token=296dcd510258be6791c43c21008e299&server=1&db=db_karyawan&table=employees";
// For http request here ok bro
Future<Post> fetchPost() async{
  final Response = await http.get(url);
  if (response.statusCode == 200){
    return Post.fromJson(json.decode(response.body));
  }else{
    throw Exception('failed to make request');
  }
}

// Make Class Post Model
class Post {
  final int userID;
  final int id;
  final String title;
  final String body;

  Post({this.userID, this.id, this.title, this.body});
```

```

    factory Post.fromJson(Map<String, dynamic> json){
      return Post(
        userId: json['userID'],
        id: json['id'],
        title: json['title'],
        body: : json['body']
      );
    }
  }

class MyApp extends StatefulWidget {
  // This widget is the root of your application.
  @Override
  widget build(BuildContext context){
    return MaterialApp(
      title: 'Flutter Demo',
      theme: ThemeData(
        //This is the theme of your application.
        //
        // Try running your application with "flutter run". You'll see the
        // application has a blue toolbar. Then, without quitting the app, try
        // changing the primarySwatch below to Colors.green and then invoke
        // "hot reload" (press "r" in the console where you ran "flutter run",
        // or simply save your changes to "hot reload" in a Flutter IDE).
        // Notice that the counter didn't reset back to zero; the application
        // is not restarted.
        primarySwatch: Colors.red,
      ),
      home: MyHomePage(title: 'Get API'),
    );
  }
}

class MyHomePage extends StatefulWidget {
  MyHomePage({Key key, this.title}) : super(key: key);

  // This widget is the home page of your application. It is stateful,
  meaning
  // that it has a State object (defined below) that contains fields that
  // affect
  // how it looks.

```

```

    // This class is the configuration for the state. It holds the values
    (in this
    // case the title) provided by the parent (in this case the App widget)
    and
    // used by the build method of the State. Fields in a Widget subclass
    are
    // always marked "final".

    final String title;

    @override
    _MyHomePageState createState() => _MyHomePageState();
}

class _MyHomePageState extends State<MyHomePage> with
TickerProviderStateMixin {
    // Make constructor
    final Future<Post> post = fetchPost() ;

    @override
    Widget build(BuildContext context) {
        // This method is rerun every time setState is called, for instance as
        done
        // by the _incrementCounter method above.
        //
        // The Flutter framework has been optimized to make rerunning build
        methods
        // fast, so that you can just rebuild anything that needs updating rather
        // than having to individually change instances of widgets.
        return Scaffold(
            appBar: AppBar(
                // Here we take the value from the MyHomePage object that was created
                by
                // the App.build method, and use it to set our appBar title.
                title: Text(widget.title),
            ),
            body: Center(
                child: FutureBuilder<Post>(
                    future: post,
                    builder: (context, snapshot){
                        if(snapshot.hasData){
                            print(snapshot.data.title);
                        }
                        return Text(snapshot.data.title, textAlign: TextAlign.center, style:
                        TextStyle(fontWeight: FontWeight.bold, color: Colors.red, fontSize: 2
                        0.0));
                    }
                )
            )
        );
    }
}

```

```
    }  
    else if(snapshot.hasError){  
      return Text("${snapshot.error}"ht: FontWeight.bold),);  
    }  
    else{  
      return CircularProgressIndicator(backgroundColor: Colors.amber,);  
    }  
  },  
  
),  
)  
);  
}  
}
```

1.