

Nama : Aditia Surya Putra

Kelas : Flutter D

Prio 1

```
import 'package:flutter/material.dart';
import 'package:flutter_test/flutter_test.dart';
import 'package:form/contact.dart';
import 'package:form/main.dart';

Run | Debug
void main() {
  Run | Debug
  testWidgets('Test AppBar and Body Widget', (WidgetTester tester) async {
    await tester.pumpWidget(const MyApp());

    //test tittle contacts
    expect(find.text('Contacts'), findsOneWidget);

    //test tittle mempunyai leading icon
    expect(find.byIcon(Icons.smartphone), findsOneWidget);

    //test body mempunyai singlechildscrollview
    expect(find.byType(SingleChildScrollView), findsOneWidget);

    ///test body mempunyai card
    expect(find.byType(Card), findsOneWidget);

    //test body mempunyai Column widget.
    expect(find.byType(Column), findsOneWidget);

    //test body mempunyai Container widget dengan Icon.
    expect(find.descendant(of: find.byType(Container).at(0), matching: find.byIcon(Icons.phone_android)), findsOneWidget);

    //test body mempunyai Divider widget.
    expect(find.byType(Divider), findsOneWidget);
  });
}
```

Output :

```
00:04 +1: All tests passed!
PS D:\git\flutter_aditia-surya-putra\28_UI Testing\form> 
```

## Prio 2

```
new_home_test.dart / main / testWidgets( tekan button menampilkan dialog )
import 'package:flutter/material.dart';
import 'package:flutter_test/flutter_test.dart';
import 'package:form/new_home.dart';

Run | Debug
void main() {
  Run | Debug
  testWidgets('MyApp menampilkan welcome message', (WidgetTester tester) async {
    await tester.pumpWidget(MyApp());
    expect(find.text('Selamat Datang di MyApp'), findsOneWidget);
  });
  Run | Debug
  testWidgets('tekan button menampilkan dialog', (WidgetTester tester) async {
    await tester.pumpWidget(MyApp());
    await tester.tap(find.byType(ElevatedButton));
    await tester.pumpAndSettle();
    expect(find.text('Hello!'), findsOneWidget);
    expect(find.text('Terima kasih telah mengklik saya.'), findsOneWidget);
    await tester.tap(find.text('OK'));
    await tester.pumpAndSettle();
    expect(find.text('Hello!'), findsNothing);
  });
}
```

```
PS D:\git\flutter_aditia-surya-putra\28_UI Testing\form> flutter test
00:05 +3: All tests passed!
PS D:\git\flutter_aditia-surya-putra\28_UI Testing\form> █
```