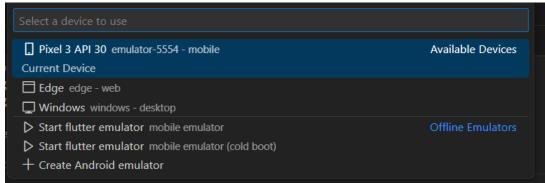
UNIT TESTING APLIKASI ADD CONTACT

Kelompok B5:

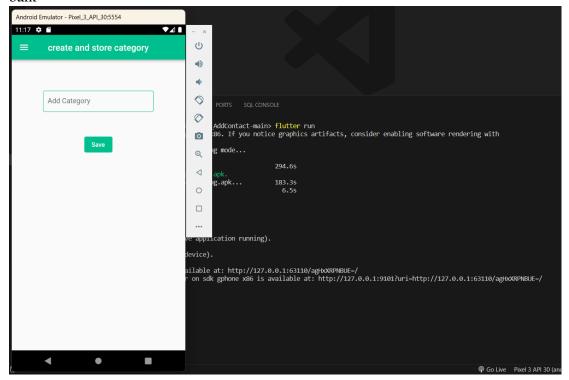
- 1. Prasetya Agung Prayoga 20200140012
- 2. Maulana Alfiansyah 20200140112
- 3. Ramadana Winata 20200140117
- 4. Annisa Divayu Andriyani 20200140136

Link GitHub: https://github.com/eunannana/B5_AddContact_UnitTestingKelompok.git

• Untuk melakukan debugging dan testing, run terlebih dahulu aplikasi dengan memilih emulator



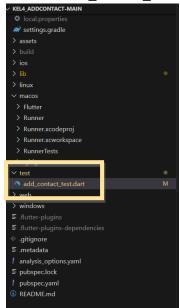
 Buka terminal lalu masukkan "flutter run" dan tunggu hingga aplikasi berjalan dengan baik



• Untuk melakukan debugging dan testing hentikan aplikasi terlebih dahulu dan mulai debugging dan testing

• Debuging dan flutter test add contact

1. Buat file add_contact_test.dart pada folder test



2. Tulis code berikut

```
**Sadd_contact_testdath M X

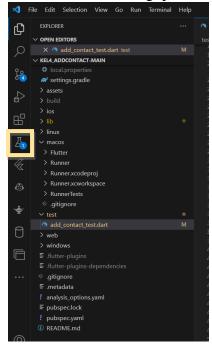
**net > 0 **add_contact_testdath > 0 **main > 0 **groupChddContact Wddget Test) > 0 **testWidgetesCashmitting form triggers insert method)

**sadd_contact_testdath > 0 **main > 0 **groupChddContact Wddget Test) > 0 **testWidgetesCashmitting form triggers insert method)

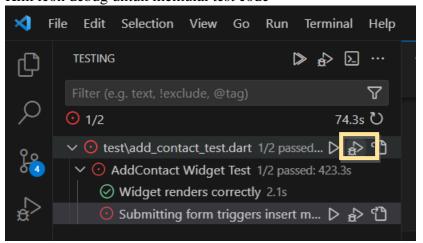
**sampletong

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```

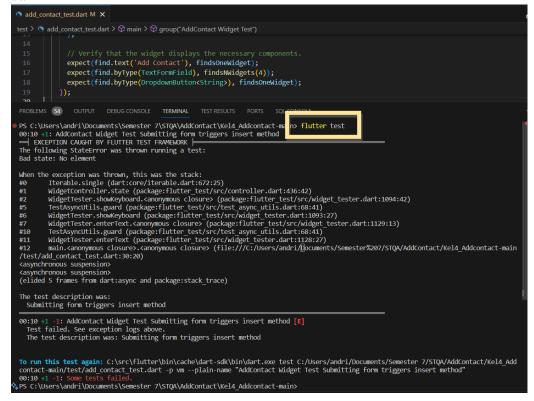
3. Untuk run code testing, pilih menu Testing pada side menu



4. Klik icon debug untuk memulai test code

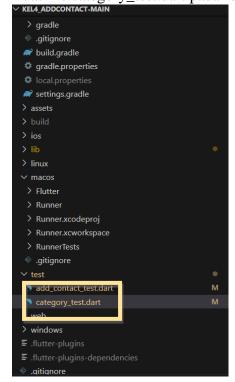


5. Pada terminal baru, ketik "flutter test" untuk memastikan flutter test berjalan dengan baik



Debuging dan flutter category test

1. Buat file category_test.dart pada folder test



2. Tulis code berikut

```
category_testdart M X

test > Category_testdart > D main

import 'package:flutter_test/flutter_test.dart';

import 'package:hahahaha/models/category.dart';

Run|Debug

void main() Run|Debug

test('Category Test', () {

Run|Debug

Mapcstring, dynamic> categoryMap = {'id': 1, 'title': 'Test Category'};

// Act
Category_category = Category_fromDbMap(categoryMap);

// Assert
expect(category.title, equals('Test Category'));

});

Run|Debug

test('Category.title, equals('Test CategoryMap);

// Act
Category_category = Category_fromDbMap(categoryMap);

// Assert
expect(category_title, equals('Test Category'));

});

Run|Debug

test('Category_title, equals('Test Category'));

// Assert
expect(category_title, equals('Test Category'));

// Act
Mapcstring, dynamic> categoryMap = category_toDbMap();

// Assert
expect(categoryMap['id'], equals(1));
expect(categoryMap['id'], equals('Test Category'));

});

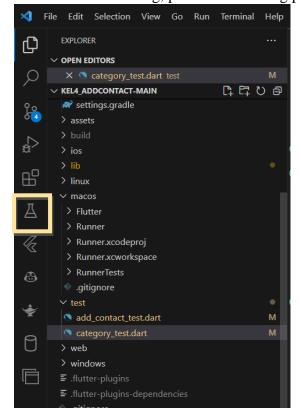
expect(categoryMap['itile'], equals('Test Category'));

});

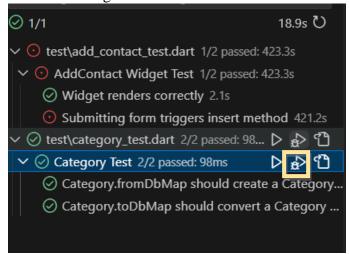
expect(categoryMap['title'], equals('Test Category'));

});
```

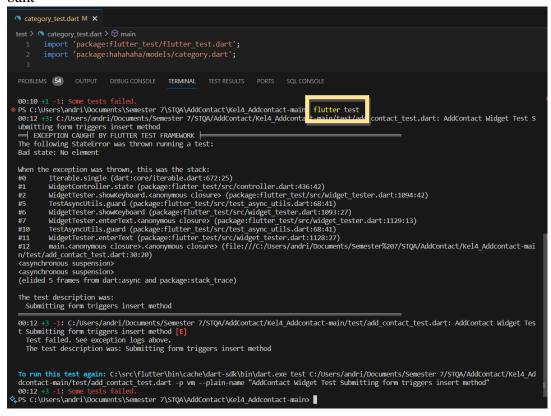
3. Untuk run code testing, pilih menu Testing pada side menu



4. Klik icon debug untuk memulai test code

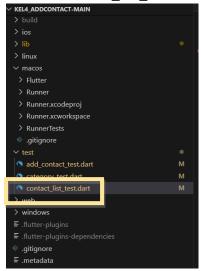


5. Pada terminal baru, ketik "flutter test" untuk memastikan flutter test berjalan dengan baik



• Debuging dan flutter contact list

1. Buat file contact_list_test.dart pada folder test

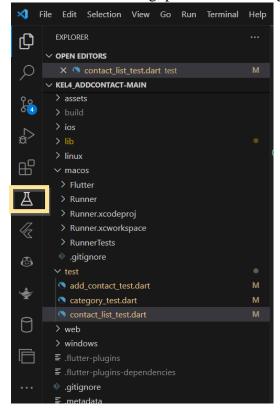


2. Tulis code berikut

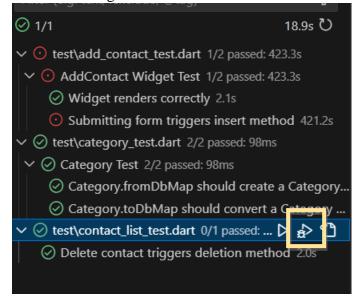
```
∠ Kel4_Addcontact-main

contact_list_test.dart M 🗙
est > 🦠 contact_list_test.dart > 😚 main > 😚 testWidgets("Delete contact triggers deletion method")
      import 'package:flutter_test/flutter_test.dart';
      import 'package:hahahaha/contact_list.dart';
      import 'package:flutter/material.dart';
      void main() {
        testWidgets('Delete contact triggers deletion method',
            (WidgetTester tester) async {
          await tester.pumpWidget(
            Chome: ContactList(),
            ), // MaterialApp
          וֹ;(
          await tester.pumpAndSettle();
          if (find.byType(ListTile).evaluate().isNotEmpty) {
            await tester.tap(find.byIcon(Icons.delete).first);
            await tester.pumpAndSettle();
            expect(find.byType(ListTile), findsNothing);
            print('No contacts found to delete.');
```

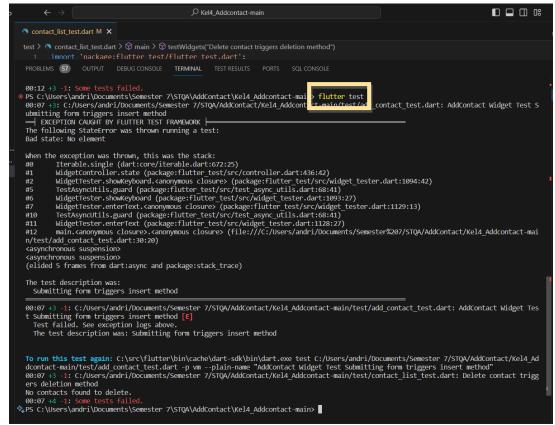
3. Untuk run code testing, pilih menu Testing pada side menu



4. Klik icon debug untuk memulai test code

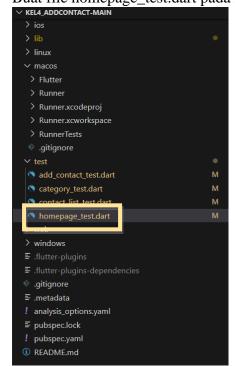


5. Pada terminal baru, ketik "flutter test" untuk memastikan flutter test berjalan dengan baik



• Debuging dan flutter homepage

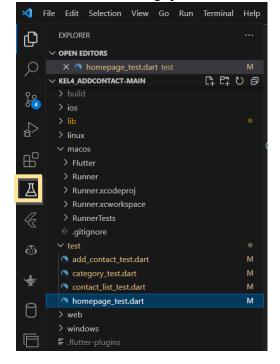
1. Buat file homepage_test.dart pada folder test



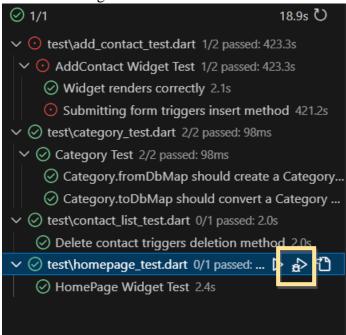
2. Tulis code berikut

```
homepage_test.dart M X
     import 'package:flutter/material.dart';
import 'package:flutter_test/flutter_test.dart';
     import 'package:hahahaha/homepage.dart';
     Run|Debug
void main() {
        testWidgets('HomePage Widget Test', (WidgetTester tester) async {
           await tester.pumpWidget(
            MaterialApp(
—home: HomePage(),
           ), // MaterialApp
           expect(find.text("create and store category"), findsOneWidget);
// Verify if the "Save" button is present
expect(find.text("Save"), findsOneWidget);
           await tester.tap(find.text("Save"));
           await tester.pump();
// Verify that the form validation error message is displayed
           expect(find.text('Enter category name'), findsOneWidget);
           await tester.enterText(find.byType(TextFormField), 'Test Category');
          // Verify that the entered text is displayed
expect(find.text('Test Category'), findsOneWidget);
// Simulate tapping on the "Save" button again
          await tester.tap(find.text("Save"));
          await tester.pump();
           expect(find.text('Test Category'), findsOneWidget);
```

3. Untuk run code testing, pilih menu Testing pada side menu



4. Klik icon debug untuk memulai test code



5. Pada terminal baru, ketik "flutter test" untuk memastikan flutter test berjalan dengan baik

