Nama: Annisa Divayu Andriyani

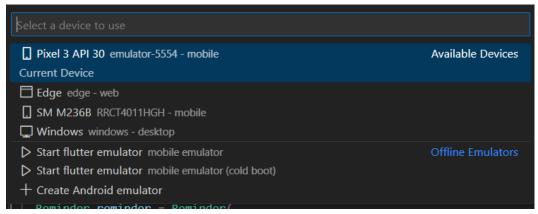
NIM : 20200140136

MK : Software Testing & Quality-Assurance

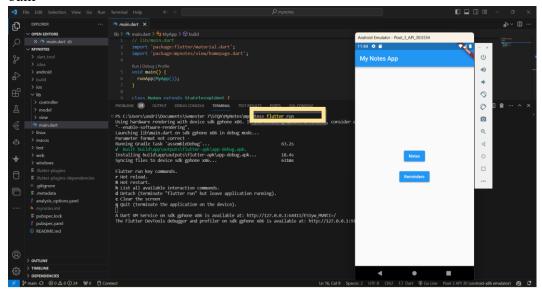
## **UNIT TESTING APLIKASI MY NOTES**

Link GitHub: <a href="https://github.com/eunannana/mynotes.git">https://github.com/eunannana/mynotes.git</a>

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

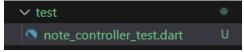


 Buka terminal lalu masukkan "flutter run" dan tunggu hingga aplikasi berjalan dengan baik



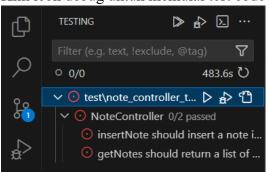
• Untuk melakukan debugging dan testing hentikan aplikasi terlebih dahulu dan mulai debugging dan testing

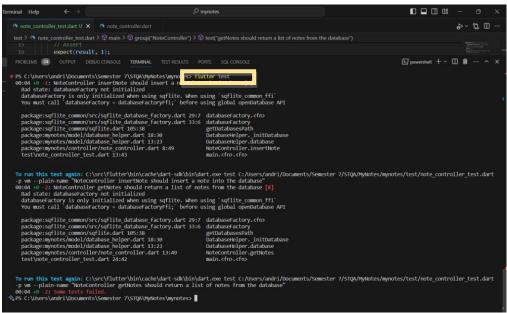
- Debuging dan flutter test note controller
  - 1. Buat file note controller test.dart pada folder test



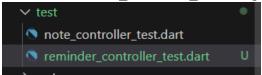
3. Untuk run code testing, pilih menu Testing pada side menu







- Debuging dan flutter reminder controller test
  - 1. Buat file reminder\_controller\_test.dart pada folder test

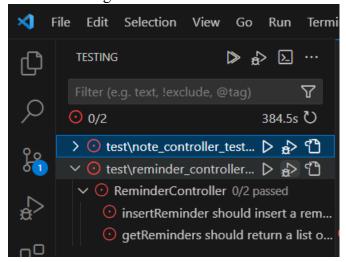


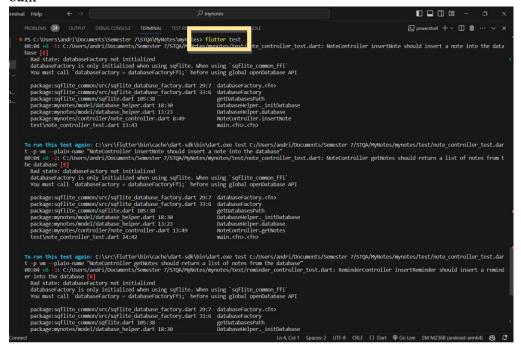
2. Tulis code berikut

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



4. Klik icon debug untuk memulai test code





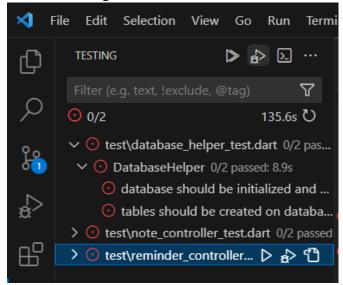
- Debuging dan flutter database helper test
  - 1. Buat file database helper test.dart pada folder test

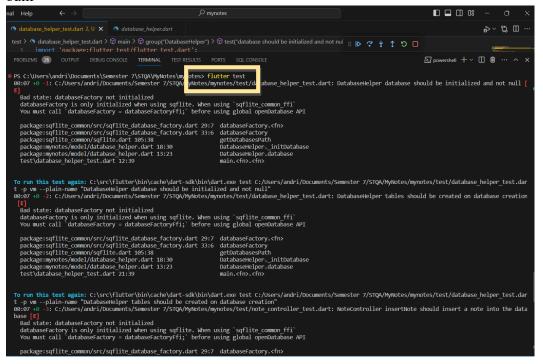


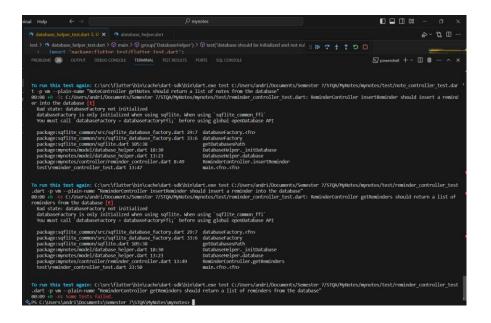
3. Untuk run code testing, pilih menu Testing pada side menu



4. Klik icon debug untuk memulai test code





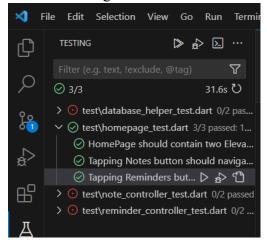


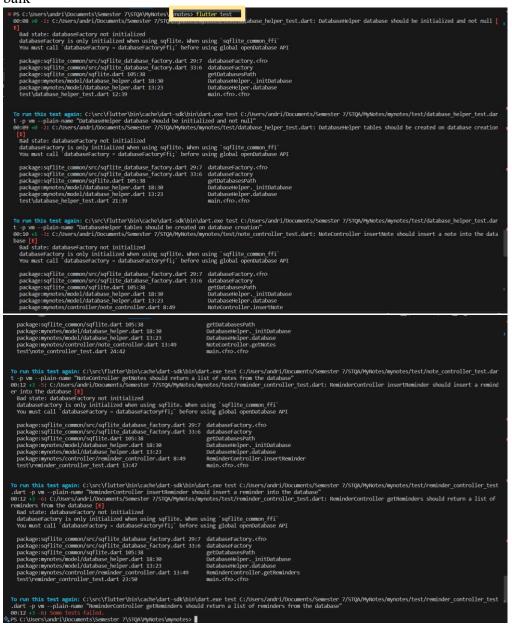
- Debuging dan flutter homepage test
  - 1. Buat file homepage test.dart pada folder test



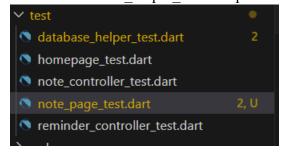
3. Untuk run code testing, pilih menu Testing pada side menu





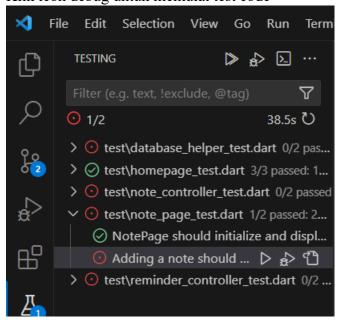


- Debuging dan flutter database helper test
  - 6. Buat file database helper test.dart pada folder test



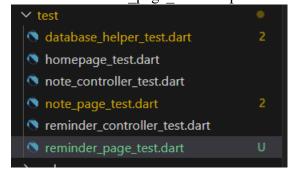
8. Untuk run code testing, pilih menu Testing pada side menu





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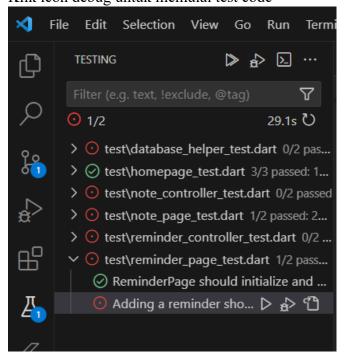
- Debuging dan flutter reminder page test
  - 1. Buat file reminder page test.dart pada folder test



```
import 'package:flutter/material.dart';
import 'package:flutter test/flutter test/flutter
 import 'package:mynotes/controller/reminder_controller.dart';
         'package:mynotes/model/reminder_model.dart';
 import 'package:mynotes/view/reminder_page.dart';
void main() {
   testWidgets('ReminderPage should initialize and display widgets', (WidgetTester tester) async {
     await tester.pumpWidget(MaterialApp(
     expect(find.byType(TextField), findsNWidgets(2));
     expect(find.byType(ElevatedButton), findsOneWidget);
   testWidgets('Adding a reminder should update the reminder list', (WidgetTester tester) async {
     await tester.pumpWidget(MaterialApp(
     └─home: ReminderPage(),
     await tester.enterText(find.widgetWithText(TextField, 'Title'), 'Test Title');
await tester.enterText(find.widgetWithText(TextField, 'Date and Time'), '2023-11-16 10:00:00');
     await tester.tap(find.widgetWithText(ElevatedButton, 'Add Reminder'));
     await tester.pump();
     // Verify that the reminder list is updated
expect(find.text('Test Title'), findsOneWidget);
     expect(find.text('2023-11-16 10:00:00'), findsOneWidget);
```

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





```
s\andri\Documents\Semester 7\STQA\MyMotes\<mark>u</mark>notes> <mark>flutter</mark> test
1: C:/Users/andri/Documents/Semester 7/STQ
                                                                                                                                                                                                                                                                       se helper test.dart: DatabaseHelper database should be initialized and not null [
                 is test again: C:\src\flutter\bin\cache\dart-sdk\bin\dart.exe test C:/Users/andri/Documents/semester 7/STQX/MyMotes/mymotes/test/database_helper_test.dar
-plain-name "DatabaseHelper database should be initialized and not null"
27: C:/Users/andri/Documents/Semester 7/STQX/MyMotes/mpotes/test/database_helper_test.dart: DatabaseHelper tables should be created on database creation
     state: databaseFactory not initialized
baseFactory is only initialized when using sqflite. When using `sqflite_common_ffi`
must call `databaseFactory = databaseFactoryFfi;` before using global openDatabase API
                 is test again: C:\src\flutter\bin\cache\dart-sdk\bin\dart.exe test C:/Users/andri/Documents/Semester 7/5TQA/MyNotes/mynotes/test/database_helper_test.dar
-plain-name "Databassele\per tables should be created on database creation"
3: C:/Users/andri/Documents/Semester 7/5TQA/MyNotes/mynotes/test/note controller_test.dart: NoteController insertNote should insert a note into the data
                  seflite common/src/seflite database factory.dart 29:7
seflite common/src/seflite database factory.dart 33:6
databaseFactory.defno
databasesFactory
databasesPath
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                    -8: C:/Users/andri/Documents/Semester 7/STQA/MyMotes/mynotes/test/reminder_page_test.dart: Adding a reminder should update the reminder list [E] ailed. See exception logs above.

**Edescription was: Adding a reminder should update the reminder list
n this test again: C:\src\flutter\bin\cache\dart-sdk\bin\dart.exe test C:/Users/andri/Documents/Semester 7/STQA/MyNotes/mynotes/test/reminder_page_test.dart
--plain-name "Adding a reminder should update the reminder list"
            rs\andri\Documents\Semester 7\STQA\MyNotes\mynotes>
```