## Laporan praktikum Monbile apps Membuat scanner barcode

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A. Tujuan

Membangun aplikasi scanner QR code yang berteknologi flutter

- B. Studi Kasus
  - 1. Melakukan setting dependenci pada pubspec.yaml

```
29 v dependencies:
30 v flutter:
31 | sdk: flutter
32
33  # The following adds the Cupertino Icons font to your application.
34  # Use with the CupertinoIcons class for iOS style icons.
35  cupertino_icons: ^1.0.2
36  qr_code_scanner: ^0.1.0
37
38
39 v dev_dependencies:
40 v flutter_test:
41  | sdk: flutter
42
```

2. Memanggil assets gambar di pubspec.yaml

```
# To add assets to your application, add an assets section, like this:
assets:
- assets/frame.png
```

3. Melakukan konfigurasi ijin di AndroidManifest.xml

4. Melakukan sedikit konfigurasi perubahan minimal sdk di build.grandl

```
defaultConfig {
    // TODO: Specify your own unique Application ID (https://developer.android.com/studio/build/application-id.htm
    applicationId "com.example.barcode_0051"
    minSdkVersion 20
    targetSdkVersion 29
    versionCode flutterVersionCode.toInteger()
    versionName flutterVersionName
}
```

5. membuat main.dart

6. membuat home.dart

```
home.dart X
lib > ♠ home.dart > ♣ _HomeState > ♦ build
     import 'package:flutter/material.dart';
import 'scan.dart';
     class Home extends StatefulWidget {
        const Home({ Key? key }) : super(key: key);
        @override
        _HomeState createState() => _HomeState();
                🗬 build.gradle
                                                                      ♠ home.dart ×
lib > 🦠 home.dart > ધ _HomeState > 😚 build
       class _HomeState extends State<Home>{
        @override
         Widget build(BuildContext context){
          return MaterialApp(
             home: Scaffold(
               appBar: AppBar(
                title: const Text('Tugas Barcodescanner 0051'),
), // AppBar
body: const Center(
                child: Image(image: AssetImage("assets/frame.png")),
                floatingActionButton: FloatingActionButton(
                 child: const Icon(Icons.camera_alt_sharp),
                 onPressed: (){
                  Navigator.push(
                     context, MaterialPageRoute(
                       builder: (context) => const Scan(),
              ), // FloatingActionButton
), // Scaffold
```

7. membuat scan.dart

```
! pubspec.yaml
                                                      scan.dart X
 lib > ७ scan.dart > 😝 Scan > 🕅 Scan
       import 'package:flutter/material.dart';
import 'package:qr_code scanner/qr_code scanner.dart';
        🔐 ass Scan extends StatefulWidget {
         const Scan ({ Key? key }) : super(key: key);
         @override
          _ScanState createState() => _ScanState();
                w build.gradle
                                  ! pubspec.yaml
                                                    scan.dart X home.dart
lib > ७ scan.dart > 😝 Scan > 分 Scan
 12 ∨ class _ScanState extends State<Scan> {
        final GlobalKey qrKey = GlobalKey();
         String qr = "";
        @override
        Widget build(BuildContext context) {
          return MaterialApp(
            home: Scaffold(
              appBar: AppBar(
                 title: const Text('Tugas 3 - Barcode Scanner 0051'),
               ), // AppBar
               body: Column(
                children: <Widget>[
                   Expanded(
                     child: QRView(
                      key: qrKey,
                       onQRViewCreated: (controller) {
                         controller.scannedDataStream.listen((value){
                            setState(() {
                             qr = value;
                   ), // Expanded
37
                 Expanded(
                   child: Center(
  child: Text('Result: $qr'),
               ], // <Widget>[]
           ), // Scaffold
         ); // MaterialApp
```

8. cara running. Buka terminal dan ketikkan flutter run --no-sound-null-safety

```
PROBLEMS (1 OUTPUT TERMINAL DEBUG CONSOLE

Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS D:\DEVELOPMENT\android\barcode\barcode\0051> flutter run --no-sound-null-safety[]
```

## 9. output aplikasi



