

## DAFTAR PUSTAKA

- Burhan, A. B. 2018. Pemanfaatan Teknologi Informasi dan Komunikasi untuk Pengembangan Ekonomi Pertanian dan Pengentasan Kemiskinan. *Jurnal Komunikasi Pembangunan*. Vol. 16(2):233-247.
- Gunandhi. dan Mikhail. (2010). *Kebut Sehari Jadi Master PHP*. Yogyakarta: Genius Publisher.
- Kholili, A.N dan Alfin, H. 2023. Sistem Informasi Penjualan Hasil Pertanian Berbasis Mobile. *Jurnal Informatika dan Teknologi*. Vol. 4(2): 52-47.
- Kurniawan, T.A. 2018. Pemodelan *Use Case* (Uml): Evaluasi Terhadap Beberapa Kesalahan Dalam Praktik. *Jurnal Teknologi Informasi dan Ilmu Komputer*. Vol. 5(1): 77-86.
- Maulana, N. 2019. Strategi Pengembangan Usaha Pengolahan Kopi Arabika Di Cw Gayo Mandiri Coffee. Skripsi. Universitas Muhammadiyah Sumatra Utara: Medan
- Gibran, M.A.A., Dana, S.K. dan Shinta, Y.P. 2021. Optimasi Pengembangan Aplikasi Cross-platform Berbasis Flutter Menggunakan Pendekatan Arsitektur Model MVI (Model-View-Intent). *Jurnal e-Proceeding of Engineering*. Vol. 8(5): 1-14.
- Putri, J.M.A., Nocianitri, K.A. dan Putra, N.K., 2017. Pengaruh Penggunaan Getah Pepaya (*Carica papaya L.*) pada Proses Dekafeinasi Terhadap Penurunan Kadar Kafein Kopi Robusta. *Jurnal Media Ilmiah Teknologi Pangan*. 4 (2), 138
- Romney, M. B, dkk. 1997. *Accounting Information System 7*. Addison-Wesley.
- Samsudin., rizky, A.S., Natal, G. dan Melanthon, P.H. 2024. Membangun Aplikasi Data Pengamatan Cuaca Pada Stasiun Metereologi 96041 Medan Menggunakan Framework Flutter. *Jurnal Jursistekni*. Vol. 6(2):408-415.
- Sinaga, F., Achwil, P.M. dan Saipul, B, D. 2017. Pengembangan Sistem Informasi Dengan Android Untuk Harga Komoditas Pertanian. *Jurnal Rekayasa Pangan dan Pertanian*. Vol. 5(3): 554-557.

- Satzinger, John W., Jackson, Robert B., and Burd, Stephen D. 2009. *Systems Analysis and Design in a Changing World*, Canada: Cengage Learning.
- Safaat H, Nazruddin, 2012, *Pemrograman Aplikasi Mobile Smartphone dan Tablet PC Berbasis Android (edisi revisi)*. Informatika, Bandung.
- Susandi, D., Dentik, K., Revi, A.F. dan Irfan, H. 2022. Rancang Bangun *E-Commerce* Produk Pertanian dan Perikanan Berbasis Android. *Jurnal SISFOKOM*. Vol. 11(3): 387-393.
- Tripathy, S., Aich, S., Chakraborty, A., & Lee, G. M. (2016). Information technology is an enabling factor affecting supply chain performance in Indian SMEs: A structural equation modelling approach. *Journal of Modelling in Management*, 11(1), 269–287. <https://doi.org/10.1108/JM2-01-2014-0004>.
- Waringga, K.F., Fitria, D.R. dan Anisa, A. 2022. Pengaruh Penerapan Teknologi Informasi Terhadap Peningkatan Keunggulan Kompetitif pada Usaha Kedai Kopi Di Kota Bandung. *Jurnal SEPA*. Vol. 19(1):31-42.

## LAMPIRAN

### Lampiran 1. Bahasa Program Aplikasi

#### 1. Main.dart

```
import 'package:flutter/material.dart';
import 'package:kopi_oai/screens/tampilanPetani.dart';
import 'package:kopi_oai/splashScreen.dart';

void main() {
  runApp(const MyApp());
}

class MyApp extends StatelessWidget {
  const MyApp({super.key});

  // This widget is the root of your application.
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      debugShowCheckedModeBanner: false,
      title: 'Flutter Demo',
      theme: ThemeData(
        useMaterial3: true,
      ),
      home: SplashScreen(),
      routes: {
        '/Petani': (context) =>
          // ignore: prefer_const_constructors
          Petani(), // Ganti PetaniPage dengan nama halaman yang sesuai
          // Definisikan rute lainnya di sini jika diperlukan
      },
    );
  }
}
```

#### 2. SplashScreen.dart

```
// ignore_for_file: prefer_const_constructors

import 'dart:async';

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

```

class SplashScreen extends StatefulWidget {
  const SplashScreen({super.key});

  @override
  State<SplashScreen> createState() => _SplashScreenState();
}

class _SplashScreenState extends State<SplashScreen> {

  @override
  void initState(){
    super.initState();
    Timer(const Duration(seconds: 4), (){
      Navigator.of(context).pushReplacement(MaterialPageRoute(builder:
        (_)=>loginHome()));
    });
  }
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Color.fromARGB(206, 255, 191, 0),
      body: Center(
        child: Column(
          mainAxisAlignment: MainAxisAlignment.center,
          crossAxisAlignment: CrossAxisAlignment.center,
          children: <Widget>[
            Image.asset('assets/kopiOAI.png', width: 80, height: 80,),
            SizedBox(
              height: 24,
            ),
            Text("Kopi OAI",
              style: TextStyle(
                fontWeight: FontWeight.bold,
                fontSize: 30
              ),
            ),
          ],
        ),
      ),
    );
  }
}

```

### 3. Login.dart

```

import 'package:flutter/material.dart';
import 'package:kopi_oai/home/DashboardUtama.dart';
import 'package:kopi_oai/no_telefon.dart';

class loginHome extends StatefulWidget {
  const loginHome({super.key});

  @override
  State<loginHome> createState() => _loginHomeState(

);
}

class _loginHomeState extends State<loginHome> {
  @override
  Widget build(BuildContext context) {
    var screenSize = MediaQuery.of(context).size;
    var screenHeight = screenSize.height;
    var screenWidth = screenSize.width;

    return Scaffold(
      backgroundColor: Colors.amber,
      body: SingleChildScrollView(
        child: Column(
          children: [
            Container(
              padding: EdgeInsets.fromLTRB(5, 50, 0, screenHeight * 0.9),
              width: double.infinity,
              decoration: BoxDecoration(
                color: const Color.fromARGB(255, 237, 194, 67),
                borderRadius: BorderRadius.circular(80),
              ),
            ),
            child: Column(
              mainAxisAlignment: MainAxisAlignment.start,
              children: <Widget>[
                Container(
                  padding: EdgeInsets.fromLTRB(10, 29, 20, 0),
                  child: Text(
                    "SELAMAT DATANG DI KOPI OAI",
                    style: TextStyle(
                      fontSize: screenWidth * 0.06,
                      fontWeight: FontWeight.bold,
                      fontStyle: FontStyle.italic,
                    ),
                  ),
                ),
              ],
            ),
          ],
        ),
      ),
    );
  }
}

```

```

    ),
  ),
  Container(
    child: Text(
      "Belajar Bertani dan Akses Informasi dengan Mudah",
      textAlign: TextAlign.center,
      style: TextStyle(
        fontSize: screenWidth * 0.03,
        fontWeight: FontWeight.bold,
      ),
      softWrap: false,
    ),
  ),
  SizedBox(height: screenHeight * 0.15),
  _buildButton(
    context,
    'Masuk Sebagai Tamu',
    Dashboard(),
  ),
  SizedBox(height: screenHeight * 0.02),
  _buildButton(
    context,
    'Lanjutkan dengan No Telepon',
    NoTelefon(),
  ),
],
),
),
),
);
}

```

```

Widget _buildButton(BuildContext context, String text, Widget targetPage) {
  var screenSize = MediaQuery.of(context).size;
  var screenWidth = screenSize.width;

```

```

  return Container(
    width: screenWidth * 0.5,
    height: screenSize.height * 0.07,
    decoration: BoxDecoration(
      color: const Color.fromARGB(255, 237, 194, 67),
      border: Border.all(

```

```

        color: Colors.black,
        width: 2.0,
      ),
      borderRadius: BorderRadius.circular(10),
      boxShadow: [
        BoxShadow(
          color: Colors.grey.withOpacity(0.4),
          spreadRadius: 2,
          blurRadius: 2,
          offset: Offset(0, 4),
        ),
      ],
    ),
    child: Column(
      mainAxisAlignment: MainAxisAlignment.center,
      children: [
        GestureDetector(
          onTap: () {
            Navigator.push(
              context,
              MaterialPageRoute(builder: (context) => targetPage),
            );
          },
          child: Text(
            text,
            textAlign: TextAlign.center,
            style: TextStyle(fontStyle: FontStyle.italic),
          ),
        ),
      ],
    ),
  );
}
}

```

#### 4. No.telefon.dart

```

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

```

```

class NoTelefon extends StatefulWidget {
  const NoTelefon({Key? key}) : super(key: key);

```

```

  @override
  State<NoTelefon> createState() => _NoTelefonState();

```

```

}

class _NoTelefonState extends State<NoTelefon> {
  final TextEditingController _controller = TextEditingController();
  String? _errorText;

  @override
  void dispose() {
    _controller.dispose();
    super.dispose();
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text('Nomor Telepon'),
      ),
      body: Padding(
        padding: const EdgeInsets.all(16.0),
        child: Column(
          crossAxisAlignment: CrossAxisAlignment.start,
          children: <Widget>[
            Text('Masukkan nomor telepon:'),
            SizedBox(height: 10),
            TextFormField(
              controller: _controller,
              keyboardType: TextInputType.phone,
              decoration: InputDecoration(
                hintText: 'Contoh: 08123456789',
                errorText: _errorText,
              ),
              onChanged: (value) {
                setState(() {
                  _errorText = validatePhoneNumber(value);
                });
              },
              inputFormatters: <TextInputFormatter>[
                FilteringTextInputFormatter.digitsOnly,
              ],
            ),
          ],
        ),
      ),
    );
  }
}

```



```
);
}
```

```
String? validatePhoneNumber(String value) {
  if (value.isEmpty) {
    return 'Nomor telepon tidak boleh kosong';
  }
  // Contoh validasi sederhana, bisa disesuaikan dengan kebutuhan
  if (value.length < 10) {
    return 'Nomor telepon minimal 10 digit';
  }
  return null;
}
}
```

##### 5. Home/DashboardUtama.dart

```
import 'package:flutter/material.dart';
import 'package:kopi_oai/screens/profil_desa.dart';
import 'package:kopi_oai/screens/tampilanPetani.dart';
import 'package:kopi_oai/screens/cuaca.dart';
import 'package:kopi_oai/screens/update.dart'; // Pastikan untuk mengimpor
semua layar lain yang dibutuhkan
```

```
class Dashboard extends StatefulWidget {
  const Dashboard({super.key});

  @override
  State<Dashboard> createState() => _DashboardState();
}
```

```
class _DashboardState extends State<Dashboard> {
  final List<Map<String, dynamic>> containerData = [
    {
      'text': 'Container 1',
      'image': 'assets/icon/profil_desa.png',
      'route': '/ProfiDessa',
      'isLeft': true
    },
    {
      'text': 'Container 2',
      'image': 'assets/icon/petani.png',
      'route': '/Petani',
      'isLeft': false
    },
  ],
}
```

```

{
  'text': 'Container 3',
  'image': 'assets/icon/cuaca.png',
  'route': '/Cuaca',
  'isLeft': true
},
{
  'text': 'Container 4',
  'image': 'assets/icon/update.png',
  'route': '/UpdateTampilan',
  'isLeft': false
},
];

```

// Fungsi untuk mendapatkan widget berdasarkan rute

```

Widget getScreenByRoute(String route) {
  switch (route) {
    case '/ProfiDessa':
      return ProfiDessa();
    case '/Petani':
      return Petani();
    case '/Cuaca':
      return Cuaca();
    case '/UpdateTampilan':
      return UpdateTampilan();
    default:
      return Dashboard();
  }
}

```

@override

```

Widget build(BuildContext context) {
  var screenSize = MediaQuery.of(context).size;
  var screenWidth = screenSize.width;
  var screenHeight = screenSize.height;

  // Tentukan ukuran container berdasarkan ukuran layar
  var containerWidth = screenWidth * 0.4;
  var containerHeight = screenHeight * 0.15;

  return Scaffold(
    backgroundColor: Color.fromARGB(206, 255, 191, 0),
    body: LayoutBuilder(
      builder: (context, constraints) {

```

```

return ListView(
  children: containerData.map((data) {
    return GestureDetector(
      onTap: () {
        Navigator.push(
          context,
          MaterialPageRoute(
            builder: (context) => getScreenByRoute(data['route']),
          ),
        );
      },
      child: Column(
        crossAxisAlignment: data['isLeft']
          ? CrossAxisAlignment.start
          : CrossAxisAlignment.end,
        children: [
          if (data['text'] == 'Container 1')
            Padding(
              padding: EdgeInsetsDirectional.fromSTEB(22, 12, 22, 10),
              child: Text(
                'Halo\n Muhammad Fadli',
                style: TextStyle(
                  fontSize: screenWidth * 0.05,
                  fontWeight: FontWeight.bold,
                  fontStyle: FontStyle.italic,
                ),
              ),
            ),
          Container(
            margin: EdgeInsets.symmetric(vertical: 10),
            width: containerWidth,
            alignment: data['isLeft']
              ? Alignment.centerLeft
              : Alignment.centerRight,
            child: SizedBox(
              width: containerWidth,
              height: containerHeight,
              child: Image.asset(
                data['image'],
                fit: BoxFit.contain,
              ),
            ),
          ),
        ],
      ),
    ),
  ],
);

```

```

    ),
  );
  }).toList(),
);
},
),
);
}
}

```

#### 6. profilDesa.dart

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

```
class ProfiDessa extends StatefulWidget {
  const ProfiDessa({super.key});
```

```
  @override
  State<ProfiDessa> createState() => _ProfiDessaState();
}
```

```
class _ProfiDessaState extends State<ProfiDessa> {
  final PageController _pageController = PageController();
```

```
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Colors.amber,
      body: PageView(
        controller: _pageController,
        children: <Widget>[
          buildPage(
            'assets/images/profilDesa5.jpeg',
            'Kurrak adalah kelurahan di kecamatan Polewali, Kabupaten Polewali
Mandar, Sulawesi Barat, Indonesia. Program tanaman kopi robusta dan kopi
arabika menjadi inovasi Desa Kurrak Kecamatan Tapango Kabupaten Polewali
Mandar. Hasilnya di nikmati warga Desa Kurrak dan menjadi sumber penghasilan
masyarakat setempat.',
            0,
            context,
          ),
          buildPage(
            'assets/images/profilDesa2.jpeg',
            'Saat ini kopi Kurrak sudah menembus pasar Nasional yakni Jakarta, Pulau
Jawa, Kalimantan, Sulawesi, dan beberapa daerah lainnya. Selain itu, beberapa
```

pengunjung dari lintas daerah juga sudah datang berkunjung ke kebun Kopi Kurrak yang berbatasan dengan Kabupaten Mamasa.',

```

    1,
    context,
  ),
  buildPage(
    'assets/images/profilDesa3.jpeg',
    'Kopi Kurrak saat ini juga sudah menjadi oleh-oleh khas Polewali Mandar
yang biasanya diborong oleh pengunjung yang datang dari luar daerah dan
provinsi di Indonesia. Selain harga yang terjangkau, Kopi Kurrak ini memiliki rasa
khas yang membuatnya laris terjual.',
    2,
    context,
  ),
  buildPage(
    'assets/images/profilDesa4.jpeg',
    'Kurrak adalah kelurahan di kecamatan Polewali, Kabupaten Polewali
Mandar, Sulawesi Barat, Indonesia. Program tanaman kopi robusta dan kopi
arabika menjadi inovasi Desa Kurrak Kecamatan Tapango Kabupaten Polewali
Mandar. Hasilnya di nikmati warga Desa Kurrak dan menjadi sumber penghasilan
masyarakat setempat.',
    3,
    context,
  ),
],
),
);
}

```

```

Widget buildPage(
  String imagePath, String text, int index, BuildContext context) {
  var screenSize = MediaQuery.of(context).size;
  var screenWidth = screenSize.width;
  var screenHeight = screenSize.height;
  var fontSize = screenWidth * 0.04; // Adjust font size based on screen width
  var imageSize =
    screenWidth * 0.8; // Adjust image size based on screen width
  var iconSize = screenWidth * 0.05;

  return Center(
    child: Column(
      mainAxisAlignment: MainAxisAlignment.start, // Menggeser ke atas
      crossAxisAlignment: CrossAxisAlignment.center, // Rata tengah
      children: <Widget>[

```

```

Container(
  margin: EdgeInsets.all(screenWidth * 0.05),
  width: imageSize,
  height: imageSize,
  decoration: BoxDecoration(
    borderRadius: BorderRadius.only(
      topLeft: Radius.circular(20),
      topRight: Radius.circular(20),
    ),
  ),
  child: Stack(
    children: [
      ClipRRect(
        borderRadius: BorderRadius.only(
          topLeft: Radius.circular(20),
          topRight: Radius.circular(20),
        ),
        child: Image.asset(
          imagePath,
          fit: BoxFit.cover,
          width: imageSize,
          height: imageSize,
        ),
      ),
      Positioned(
        bottom: 5,
        left: 0,
        right: 0,
        child: Row(
          mainAxisAlignment: MainAxisAlignment.spaceEvenly,
          children: List.generate(4, (i) {
            return GestureDetector(
              onTap: () {
                _pageController.jumpToPage(i);
              },
              child: CircleAvatar(
                radius: iconSize * 0.6,
                backgroundColor: Colors.black,
                child: Icon(
                  Icons.circle,
                  size: iconSize,
                  color: i == index
                    ? Colors.black
                    : Colors.black.withOpacity(0.7),
                ),
              ),
            );
          })
        ),
      ),
    ],
  ),
);

```

```

        ),
      ),
    );
  }},
  ),
  ),
],
),
),
Container(
  margin: EdgeInsets.symmetric(horizontal: screenWidth * 0.05),
  child: Text(
    text,
    textAlign: TextAlign.justify,
    style: TextStyle(
      fontSize: fontSize,
      fontWeight: FontWeight.bold,
      fontStyle: FontStyle.italic,
    ),
  ),
),
Container(
  margin: EdgeInsets.only(top: screenHeight * 0.05),
  child: Image.asset(
    'assets/kopiOAI.png',
    width: screenWidth * 0.15,
    height: screenHeight * 0.15,
  ),
),
],
),
);
}
}

```

## 7. TampilanPetani.dart

```

import 'package:flutter/material.dart';
import 'package:kopi_oai/profile/sample_petani.dart';

class PetaniData {
  final String imagePath;
  final String name;
}

```

```

final int age;

PetaniData({required this.imagePath, required this.name, required this.age});
}

class Petani extends StatefulWidget {
  const Petani({Key? key}) : super(key: key);

  @override
  State<Petani> createState() => _PetaniState();
}

class _PetaniState extends State<Petani> {
  final List<PetaniData> petaniList = [
    PetaniData(
      imagePath: 'assets/images/petani1.jpeg', name: 'Rahmat', age: 37),
    PetaniData(
      imagePath: 'assets/images/petani2.jpeg',
      name: 'Muhamma Rinaldi',
      age: 45),
    PetaniData(
      imagePath: 'assets/images/petani3.jpeg', name: 'Farhan', age: 32),
    PetaniData(
      imagePath: 'assets/images/petani4.jpeg', name: 'Abd Hafiz', age: 40),
    PetaniData(imagePath: 'assets/images/petani5.jpeg', name: 'Hasir', age: 35),
  ];

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Colors.amber,
      body: Column(
        mainAxisAlignment: MainAxisAlignment.center,
        children: [
          SizedBox(height: 8),
          Image.asset('assets/kopiOAI.png', height: 50, width: 60),
          Expanded(
            child: ListView.builder(
              itemCount: petaniList.length,
              itemBuilder: (BuildContext context, int index) {
                PetaniData petani = petaniList[index];
                return GestureDetector(
                  onTap: () {
                    Navigator.push(

```



```

context,
MaterialPageRoute(
  builder: (context) => SamplePetani(
    imagePath: petani.imagePath,
    name: petani.name,
  ),
),
);
},
child: Column(
  mainAxisAlignment: MainAxisAlignment.center,
  children: [
    Padding(
      padding: const EdgeInsets.symmetric(vertical: 8),
      child: SizedBox(
        height: 90,
        child: Container(
          width: 320,
          padding: EdgeInsets.all(10),
          decoration: BoxDecoration(
            color: Colors.white,
            border: Border.all(
              color: Color.fromARGB(255, 255, 242, 0),
              width: 1),
            borderRadius: BorderRadius.circular(17),
          ),
        child: Row(
          mainAxisAlignment: MainAxisAlignment.center,
          children: [
            Container(
              width: 100,
              height: 100,
              decoration: BoxDecoration(
                shape: BoxShape.circle,
                image: DecorationImage(
                  image: AssetImage(petani.imagePath),
                  fit: BoxFit.cover,
                ),
              ),
            ),
            SizedBox(width: 10),
            Expanded(
              child: Column(
                crossAxisAlignment:

```



```

@override
Widget build(BuildContext context) {
  return Scaffold(
    backgroundColor: Colors.white,
    body: Center(
      child: Column(
        mainAxisAlignment: MainAxisAlignment.center,
        children: <Widget>[
          Image.asset(
            'assets/kopiOAI.png',
            width: 30,
          ),
          SizedBox(height: 20), // Spacer

          ElevatedButton(
            onPressed: () {
              const Link = "https://www.youtube.com/watch?v=hYczj3zUCEw";
              launchUrl(Uri.parse(Link), mode: LaunchMode.inAppBrowserView);
            },
            child: Text('Buka di Youtube'),
          ),
          ElevatedButton(
            onPressed: () {
              const Link = "https://dcc-dp.com";
              launchUrl(Uri.parse(Link), mode: LaunchMode.inAppBrowserView);
            },
            child: Text('Buka di Website'),
          ),
          ElevatedButton(
            onPressed: _launchURL,
            child: Text('Buka Di Isntagram'),
          ),
        ],
      ),
    );
}

```

```

void _launchURL() async {
  const url = 'https://www.youtube.com/watch?v=ND6C02r0jq8';
  if (await canLaunch(url)) {
    await launch(url);
  } else {
    throw 'Could not launch $url';
  }
}

```

```

    }
  }
}

```

### 9. Cuaca.dart

```
// ignore_for_file: unused_import
```

```
import 'package:flutter/material.dart';
import 'package:geolocator/geolocator.dart';
import 'package:kopi_oai/weather_service.dart';
```

```
class Cuaca extends StatefulWidget {
  @override
  _WeatherScreenState createState() => _WeatherScreenState();

  getWeather(double latitude, double longitude) {}
}

```

```
class _WeatherScreenState extends State<Cuaca> {
  Position? _currentPosition;
```

```
  String _temperature = "";
  String _weatherDescription = "";
  bool _loading = false;
```

```
  final Cuaca _weatherService = Cuaca();
```

```
  @override
  void initState() {
    super.initState();
    _getCurrentLocation();
  }

```

```
  _getCurrentLocation() async {
    setState(() {
      _loading = true;
    });
  }

```

```
  bool serviceEnabled;
  LocationPermission permission;
```

```
  serviceEnabled = await Geolocator.isLocationServiceEnabled();
  if (!serviceEnabled) {
    // Lokasi layanan tidak diaktifkan, tidak dapat melanjutkan
  }

```

```

    return Future.error('Location services are disabled.');
```

```

}
```

```

permission = await Geolocator.checkPermission();
if (permission == LocationPermission.denied) {
  permission = await Geolocator.requestPermission();
  if (permission == LocationPermission.denied) {
    // Izin lokasi ditolak
    return Future.error('Location permissions are denied');
  }
}
```

```

if (permission == LocationPermission.deniedForever) {
  // Izin lokasi ditolak secara permanen
  return Future.error(
    'Location permissions are permanently denied, we cannot request
permissions.');
```

```

}
```

```

_currentPosition = await Geolocator.getCurrentPosition(
  desiredAccuracy: LocationAccuracy.high);
_getAddressFromLatLng();
}
```

```

_getAddressFromLatLng() async {
  try {
    if (_currentPosition != null) {
      final weatherData = await _weatherService.getWeather(
        _currentPosition!.latitude, _currentPosition!.longitude);
      setState(() {
        _temperature = weatherData['main']['temp'].toString();
        _weatherDescription = weatherData['weather'][0]['description'];
        _loading = false;
      });
    }
  } catch (e) {
    print(e);
    setState(() {
      _loading = false;
    });
  }
}
```

```

@override
```

```

Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
      title: Text('Weather App'),
    ),
    body: Center(
      child: _loading
        ? CircularProgressIndicator()
        : _currentPosition == null
          ? Text('Could not get location')
          : Column(
              mainAxisAlignment: MainAxisAlignment.center,
              children: <Widget>[
                Text(
                  'Temperature: $_temperature°C',
                  style: TextStyle(fontSize: 24),
                ),
                Text(
                  'Weather: $_weatherDescription',
                  style: TextStyle(fontSize: 24),
                ),
              ],
            ),
    ),
  );
}

```

#### 10. Profile/forumDiskusi.dart

```

import 'package:flutter/material.dart';

class ForumDiskusi extends StatefulWidget {
  const ForumDiskusi({Key? key}) : super(key: key);

  @override
  State<ForumDiskusi> createState() => _ForumDiskusiState();
}

class _ForumDiskusiState extends State<ForumDiskusi> {
  final List<Map<String, String>> messages = [];
  final TextEditingController _controller = TextEditingController();
  bool _isCurrentUser = true;

  void _sendMessage() {
    if (_controller.text.isNotEmpty) {

```

```

setState() {
  messages.add({
    'message': _controller.text,
    'sender': _isCurrentUser ? 'User 1' : 'User 2',
    'profile': _isCurrentUser
      ? 'assets/images/petani1.jpeg'
      : 'assets/images/petani2.jpeg',
  });
  _isCurrentUser = !_isCurrentUser;
  _controller.clear();
});
}
}

@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
      title: Text('Forum Diskusi'),
    ),
    body: Container(
      decoration: BoxDecoration(
        gradient: LinearGradient(
          colors: [Colors.blue, Colors.green],
          begin: Alignment.topLeft,
          end: Alignment.bottomRight,
        ),
      ),
      child: Column(
        children: [
          Expanded(
            child: ListView.builder(
              padding: EdgeInsets.all(8.0),
              itemCount: messages.length,
              itemBuilder: (context, index) {
                bool isCurrentUser = messages[index]['sender'] == 'User 1';
                return Padding(
                  padding: EdgeInsets.symmetric(vertical: 4.0),
                  child: ListTile(
                    leading: isCurrentUser
                      ? null
                      : CircleAvatar(
                          backgroundImage:
                            AssetImage(messages[index]['profile']!),

```

```

    ),
    trailing: isCurrentUser
      ? CircleAvatar(
          backgroundImage:
            AssetImage(messages[index]['profile']!),
        )
      : null,
    title: Container(
      padding: EdgeInsets.all(10.0),
      decoration: BoxDecoration(
        color: isCurrentUser ? Colors.blue : Colors.grey[300],
        borderRadius: BorderRadius.only(
          topLeft: Radius.circular(isCurrentUser ? 10.0 : 0),
          topRight: Radius.circular(isCurrentUser ? 0 : 10.0),
          bottomLeft: Radius.circular(10.0),
          bottomRight: Radius.circular(10.0),
        ),
      ),
    ),
    constraints: BoxConstraints(
      maxWidth: MediaQuery.of(context).size.width * 0.7,
    ),
    child: Text(
      messages[index]['message']!,
      style: TextStyle(
        color: isCurrentUser ? Colors.white : Colors.black,
      ),
    ),
  ),
  subtitle: Align(
    alignment: isCurrentUser
      ? Alignment.centerRight
      : Alignment.centerLeft,
    child: Text(messages[index]['sender']!),
  ),
),
);
},
),
),
Padding(
  padding: const EdgeInsets.all(8.0),
  child: Row(
    children: [
      Expanded(

```





```

class _PetaniProfilState extends State<PetaniProfil> {
  @override
  Widget build(BuildContext context) {
    final _width = MediaQuery.of(context).size.width;
    final _height = MediaQuery.of(context).size.height;

    return Scaffold(
      body: Stack(
        children: <Widget>[
          Container(
            decoration: BoxDecoration(color: Colors.amber),
          ),
          Scaffold(
            backgroundColor: Colors.transparent,
            body: Container(
              child: Stack(
                children: <Widget>[
                  Align(
                    alignment: Alignment.center,
                    child: Padding(
                      padding: EdgeInsets.only(top: _height / 15),
                      child: Column(
                        crossAxisAlignment: CrossAxisAlignment.center,
                        children: <Widget>[
                          CircleAvatar(
                            backgroundImage:
                              AssetImage('assets/images/petani1.jpeg'),
                            radius: _height / 10,
                          ),
                          SizedBox(height: _height / 30),
                          Text(
                            'Sadiq Mehdi',
                            style: TextStyle(
                              fontSize: 18.0,
                              color: Colors.white,
                              fontWeight: FontWeight.bold,
                            ),
                          ),
                        ],
                      ),
                    ),
                  ],
                ),
              ),
            ),
          ),
          Padding(
            padding: EdgeInsets.only(top: _height / 2.2),

```



```

child: Column(
  children: <Widget>[
    Padding(
      padding: EdgeInsets.only(top: _height / 30),
      child: Container(
        width: _width / 3,
        height: _height / 20,
        decoration: BoxDecoration(
          color: Colors.amber,
          borderRadius: BorderRadius.all(
            Radius.circular(_height / 40),
          ),
          boxShadow: [
            BoxShadow(
              color: Colors.black87,
              blurRadius: 2.0,
              offset: Offset(0.0, 1.0),
            ),
          ],
        ),
        child: Center(
          child: Text(
            'FOLLOW ME',
            style: TextStyle(
              fontSize: 12.0,
              color: Colors.white,
              fontWeight: FontWeight.bold,
            ),
          ),
        ),
      ),
    ),
  ],
),

```

Widget headerChild(String header, int value) => Expanded(

```

  child: Column(
    children: <Widget>[
      Text(header),
      SizedBox(height: 7.0),
      Text(
        '$value',
        style: TextStyle(
          fontSize: 14.0,
          color: Color(0xFF26CBE6),
          fontWeight: FontWeight.bold,
        ),
      ),
    ],
  ),

```

```

    ),
  ],
),
);

```

```

Widget infoChild(double width, IconData icon, String data) => Padding(
  padding: EdgeInsets.only(bottom: 7.0),
  child: InkWell(
    child: Row(
      children: <Widget>[
        SizedBox(width: width / 8),
        Icon(
          icon,
          color: Color(0xFF26CBE6),
          size: 36.0,
        ),
        SizedBox(width: width / 10),
        Text(data),
      ],
    ),
    onTap: () {
      print('Info Object selected');
    },
  ),
);
}

```

## 12. Profile/SamplePetani.dart

```

import 'package:flutter/material.dart';
import 'package:kopi_oai/profile/forum_diskusi.dart';
import 'package:kopi_oai/profile/profile_petani.dart';

class SamplePetani extends StatefulWidget {
  final String imagePath;
  final String name;

  const SamplePetani({Key? key, required this.imagePath, required this.name})
    : super(key: key);

  @override
  State<SamplePetani> createState() => _SamplePetaniState();
}

class _SamplePetaniState extends State<SamplePetani> {
  final PageController _pageController = PageController();

```

```
int currentIndex = 0;
```

```
List<Widget> screens = [ForumDiskusi(), PetaniProfil()];
```

```
List<Map<String, String>> komoditiData = [
```

```
{
```

```
  'image1': 'assets/images/sample1.jpeg',
```

```
  'image2': 'assets/images/sample2.jpeg',
```

```
  'description':
```

```
    'Memiliki lahan perkebunan kopi seluas satu hektar menunjukkan
dedikasinya terhadap pertanian dan khususnya produksi kopi. Jenis kopi yang di
tanam adalah kopi Arabika, yang dikenal dengan citarasa halus dan
kompleksnya. Pengetahuan tentang berbagai faktor yang memengaruhi
pertumbuhan tanaman kopi, seperti iklim, jenis tanah, dan cara pengelolaan
lahan tentunya dapat meningkatkan kualitas komoditi yang dimiliki.',
```

```
  },
```

```
{
```

```
  'image1': 'assets/images/proses1.jpeg',
```

```
  'image2': 'assets/images/proses2.jpeg',
```

```
  'description':
```

```
    'NATURAL Pada proses natural, buah kopi yang dikeringkan masih dalam
berbentuk buah/ceri, lengkap dengan semua lapisan-lapisannya. Prosesnya yang
natural dan alami ini akan membuat ceri terfermentasi secara natural pula
karena kulit luar ceri akan terkelupas dengan sendirinya.',
```

```
  },
```

```
{
```

```
  'image1': 'assets/images/bubuk1.jpeg',
```

```
  'image2': 'assets/images/bubuk2.jpeg',
```

```
  'description':
```

```
    'KOPI BUBUK Penyangraian adalah perpaduan antara suhu dan waktu
untuk mengubah struktur dan sifat kimia dengan perlakuan panas yang
bertujuan untuk membentuk aroma dan citarasa yang khas pada kopi seduhan.
Pada proses penyangraian terjadi pengurangan kadar air yang disertai dengan
penguapan senyawa volatil yang terkandung dalam biji kopi, sehingga ketika
proses sangrai berlangsung akan tercium harumnya aroma kopi sangrai. ',
```

```
  },
```

```
];
```

```
Widget buildPage(String imagePath1, String imagePath2, String description,
double fontSize) {
```

```
  return Column(
```

```
    mainAxisAlignment: MainAxisAlignment.center,
```

```
    children: [
```

```
      Container(
```

```

margin: EdgeInsets.symmetric(horizontal: fontSize * 1.0),
child: Text(
  description,
  textAlign: TextAlign.justify,
  style: TextStyle(
    color: Colors.white,
    fontSize: fontSize,
  ),
),
),
),
Row(
  mainAxisAlignment: MainAxisAlignment.center,
  children: [
    Container(
      decoration: BoxDecoration(
        borderRadius: BorderRadius.circular(20),
      ),
      child: Image.asset(imagePath1, width: 100, height: 100),
    ),
    SizedBox(width: 20),
    Image.asset(imagePath2, width: 100, height: 100),
  ],
),
],
);
}

```

```

void onTabTapped(int index) {
  setState(() {
    currentIndex = index;
  });
}

```

```

@override
Widget build(BuildContext context) {
  var screenSize = MediaQuery.of(context).size;
  var screenWidth = screenSize.width;
  var screenHeight = screenSize.height;
  var fontSize = screenWidth * 0.04; // Adjust font size based on screen width

  return Scaffold(
    backgroundColor: Colors.amber,
    body: IndexedStack(
      index: currentIndex,

```

```

children: [
  Column(
    children: <Widget>[
      Row(
        mainAxisAlignment: MainAxisAlignment.center,
        children: [
          Text(
            widget.name,
            style: TextStyle(
              fontSize: fontSize * 1.6,
              fontWeight: FontWeight.bold,
              fontStyle: FontStyle.italic,
            ),
          ),
          SizedBox(width: screenWidth * 0.1),
          Container(
            height: screenWidth * 0.15,
            width: screenWidth * 0.15,
            decoration: BoxDecoration(
              shape: BoxShape.circle,
              image: DecorationImage(
                image: AssetImage(widget.imagePath),
              ),
            ),
          ),
          ),
        ],
      ),
      SizedBox(height: screenHeight * 0.02),
      Container(
        height: screenHeight * 0.5,
        width: screenWidth * 1.2,
        decoration: BoxDecoration(
          color: Colors.black38,
          borderRadius: BorderRadius.circular(15),
        ),
      ),
      child: PageView(
        controller: _pageController,
        children: komoditiData.map((data) {
          return buildPage(
            data['image1']!,
            data['image2']!,
            data['description']!,
            fontSize,
          );
        });
    ],
  ),
],

```





```

    ],
  ),
  screens[0], // Forum Diskusi
  screens[1], // Petani Profil
],
),
bottomNavigationBar: BottomNavigationBar(
  currentIndex: currentIndex,
  onTap: onTap,
  items: const <BottomNavigationBarItem>[
    BottomNavigationBarItem(
      icon: Icon(Icons.home),
      label: 'Home',
    ),
    BottomNavigationBarItem(
      icon: Icon(Icons.chat),
      label: 'Forum Diskusi',
    ),
    BottomNavigationBarItem(
      icon: Icon(Icons.person),
      label: 'Profile',
    ),
  ],
),
);
}

```

```

Widget _buildIconButton(BuildContext context, IconData icon, String label,
  int page, double screenWidth, double screenHeight) {
  return GestureDetector(
    onTap: () {
      _pageController.jumpToPage(page);
    },
    child: Column(
      mainAxisAlignment: MainAxisAlignment.center,
      children: [
        Stack(
          alignment: Alignment.center,
          children: <Widget>[
            Container(
              width: screenWidth * 0.2,
              height: screenHeight * 0.2,
              decoration: BoxDecoration(
                color: Colors.amber,

```

```
        shape: BoxShape.circle,  
      ),  
    ),  
    Icon(  
      icon,  
      color: Colors.white,  
      size: screenWidth * 0.1,  
    ),  
  ],  
),  
Text(  
  textAlign: TextAlign.center,  
  label,  
  style: TextStyle(  
    fontSize: screenWidth * 0.04,  
    fontWeight: FontWeight.bold,  
  ),  
),  
),  
],  
),  
);  
}  
}
```

13.

14.

## DAFTAR RIWAYAT HIDUP

### A. Data Pribadi

1. Nama : Muhammad Fadli
2. Tempat, tgl. Lahir : Polewali, 08 Desember 1993
3. Alamat : Jln. Perintis  
Kemerdekaan VII, Tamalanrea
4. Kewarganegaraan : Warga Negara Indonesia



### B. Riwayat Pendidikan

1. Tamat SMA tahun 2011 di SMAN 1 POLEWALI
2. S1 Universitas Hasanuddin (2013-2019)
3. S2 Universitas Hasanuddin (2021-2024)

### C. Pekerjaan dan Riwayat Pekerjaan

1. PT. Jiva Agriculture Indonesia  
Jabatan : Field Marketer (Growth)

### D. Makalah pada Seminar/Konferensi Ilmiah Nasional *dan Internasional*

*The 4th Internasional Conference on Environmental Ecology of Food Security (ICEFS) 2024 sebagai artikel dengan judul "Design of an Android-Based Application (Kopi Oai) as an Information Platform for the Coffee Industry in Kurrak Village, Tapango District, Polewali Mandar, West Sulawesi.*