PEMOGRAMAN MOBILE 2
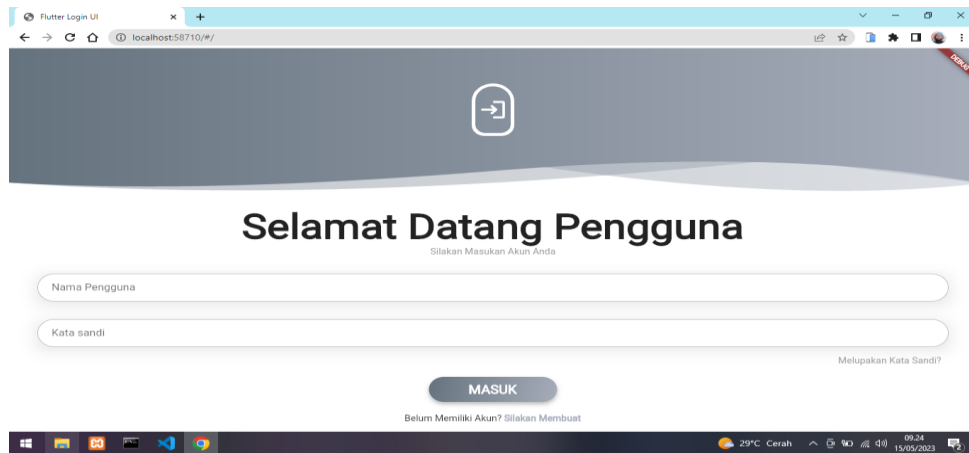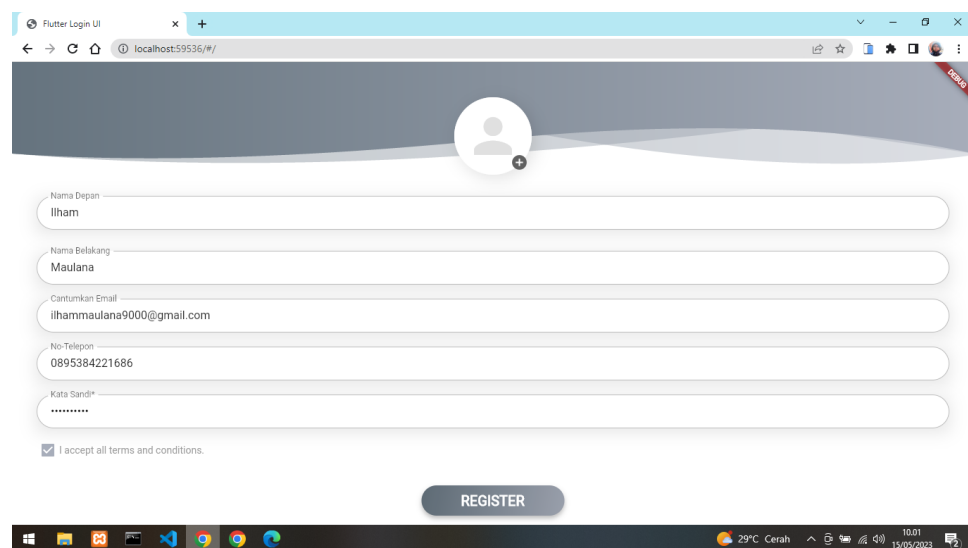## UJIAN TENGAH SEMESTER

Nama   : Ilham Maulana Cakra Dwi Noto

NIM   : 312110027

Kelas   : TI.21.A.1

Prodi   : Teknik Informatika

Matkul   : Pemograman Mobile

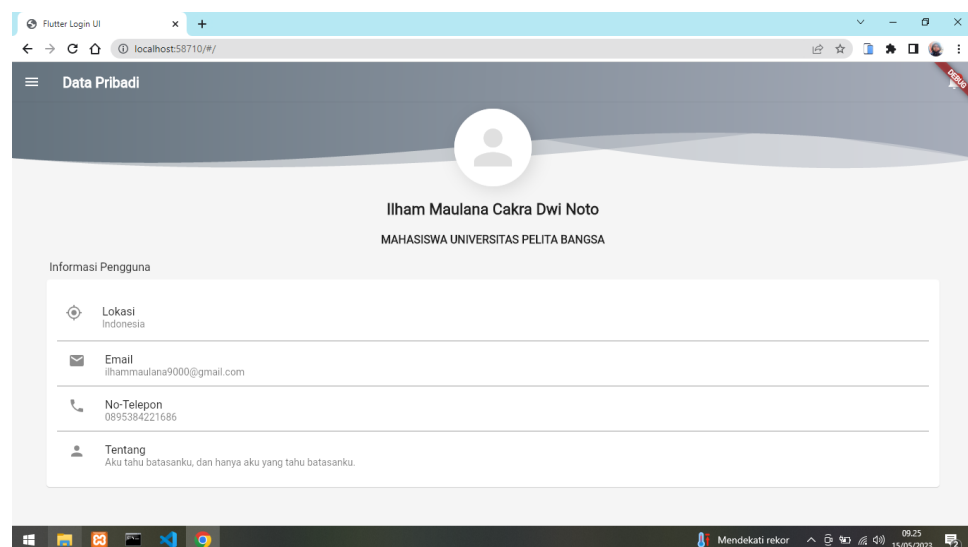Dosen   : Muhammad Najamuddin Dwi Miharja S.Kom, M.Kom

MENU LOGIN

MENU REGISTRASI

MENU PROFILE

1. Install **Flutter**

Berikut link nya https://docs.flutter.dev/get-started/install

2. Install **Studio Android**

Berikut link nya https://developer.android.com/studio/install

*note : install dan setujui semua persyaratan peng-install-an

3. Install **Visual Studio Code**

Berikut Link nya https://code.visualstudio.com/download

*note : jangan lupa install Extension Flutter setelah menginstall Visual Studio Code

4. Jalankan "flutter doctor" di cmd untuk memeriksa persyaratan
5. Lanjutkan dengan "flutter create flutter_login_ui-main" untuk membuat folder, apabila ingin membuka file ini di Visual Studio Code, tinggal lanjutkan dengan "cd flutter_login_ui-main".
6. Buka file lewat Chrome dengan cara ketik "flutter run –d chrome" di cmd.

Kode

1. Login
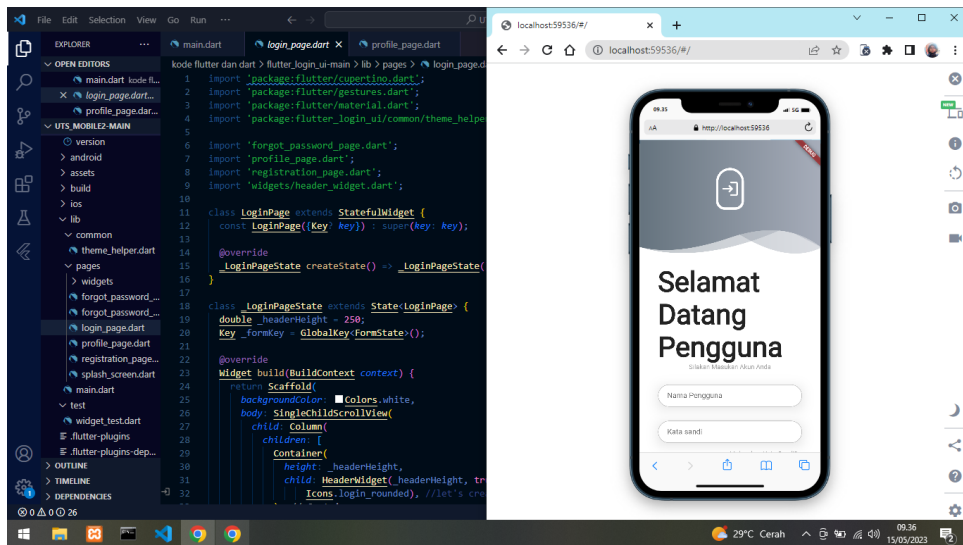
Berikut kode nya :

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

import 'package:flutter/gestures.dart';

import 'package:flutter/material.dart';

import 'package:flutter_login_ui/common/theme_helper.dart';



import 'forgot_password_page.dart';

import 'profile_page.dart';

import 'registration_page.dart';

import 'widgets/header_widget.dart';



class LoginPage extends StatefulWidget {

  const LoginPage({Key? key}) : super(key: key);



  @override

  _LoginPageState createState() => _LoginPageState();

}



class _LoginPageState extends State<LoginPage> {
```

```dart
double _headerHeight = 250;

Key _formKey = GlobalKey<FormState>();



@override

Widget build(BuildContext context) {

  return Scaffold(

    backgroundColor: Colors.white,

    body: SingleChildScrollView(

      child: Column(

        children: [

          Container(

            height: _headerHeight,

            child: HeaderWidget(_headerHeight, true,

                Icons.login_rounded), //let's create a common header widget

          ),

          SafeArea(

            child: Container(

              padding: EdgeInsets.fromLTRB(20, 10, 20, 10),

              margin: EdgeInsets.fromLTRB(

                  20, 10, 20, 10), // This will be the login form

              child: Column(

                children: [

                  Text(

                    'Selamat Datang Pengguna',

                    style: TextStyle(

                        fontSize: 60, fontWeight: FontWeight.bold),

                  ),

                  Text(

                    'Silakan Masukan Akun Anda',

                    style: TextStyle(color: Colors.grey),

                  ),
```

```dart
              SizedBox(height: 30.0),
              Form(
                  key: _formKey,
                  child: Column(
                    children: [
                      Container(
                        child: TextField(
                          decoration:
ThemeHelper().textInputDecoration(
                              'Nama Pengguna', 'Klik lanjut '),
                        ),
                        decoration:
                            ThemeHelper().inputBoxDecorationShaddow(),
                      ),
                      SizedBox(height: 30.0),
                      Container(
                        child: TextField(
                          obscureText: true,
                          decoration:
ThemeHelper().textInputDecoration(
                              'Kata sandi', 'Klik lanjut'),
                        ),
                        decoration:
                            ThemeHelper().inputBoxDecorationShaddow(),
                      ),
                      SizedBox(height: 15.0),
                      Container(
                        margin: EdgeInsets.fromLTRB(10, 0, 10, 20),
                        alignment: Alignment.topRight,
                        child: GestureDetector(
                          onTap: () {
                            Navigator.push(
```

```dart
                      context,
                      MaterialPageRoute(
                        builder: (context) =>
                            ForgotPasswordPage()),
                  );
              },
              child: Text(
                "Melupakan Kata Sandi?",
                style: TextStyle(
                  color: Colors.grey,
                ),
              ),
            ),
          ),
          Container(
            decoration:

ThemeHelper().buttonBoxDecoration(context),
            child: ElevatedButton(
              style: ThemeHelper().buttonStyle(),
              child: Padding(
                padding:
                    EdgeInsets.fromLTRB(40, 10, 40, 10),
                child: Text(
                  'Masuk'.toUpperCase(),
                  style: TextStyle(
                    fontSize: 20,
                    fontWeight: FontWeight.bold,
                    color: Colors.white),
                ),
              ),
              onPressed: () {
```

```dart
                              //After successful login we will redirect
to profile page. Let's create profile page now
                            Navigator.pushReplacement(
                              context,
                              MaterialPageRoute(
                                builder: (context) =>
                                    ProfilePage()));
                          },
                        ),
                      ),
                    Container(
                      margin: EdgeInsets.fromLTRB(10, 20, 10, 20),
                      //child: Text('Don\'t have an account?
Create'),

                      child: Text.rich(TextSpan(children: [
                        TextSpan(text: "Belum Memiliki Akun? "),
                        TextSpan(
                          text: 'Silakan Membuat',
                          recognizer: TapGestureRecognizer()
                            ..onTap = () {
                              Navigator.push(
                                context,
                                MaterialPageRoute(
                                  builder: (context) =>
                                      RegistrationPage()));
                            },
                          style: TextStyle(
                              fontWeight: FontWeight.bold,
                              color: Theme.of(context).accentColor),
                        ),
                      ])),
                    ),
```
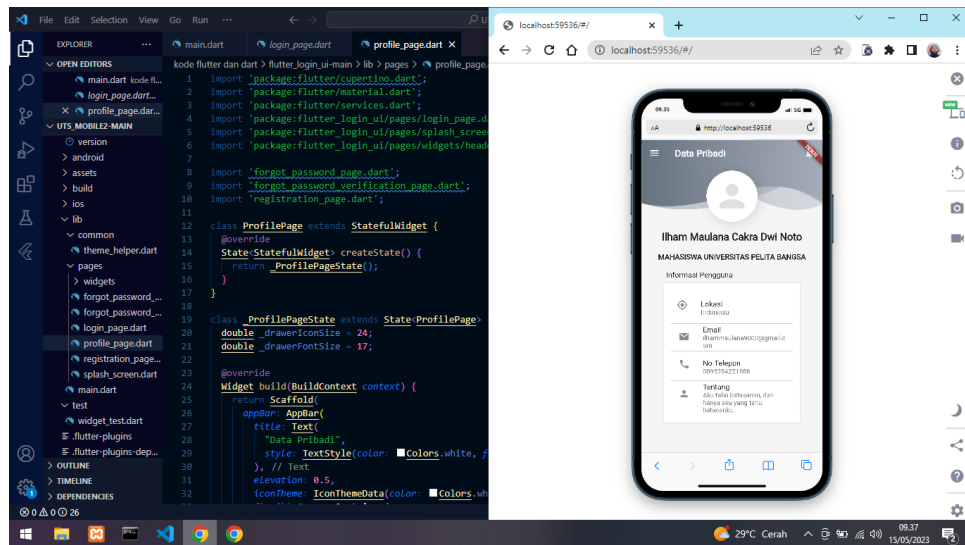
```
                    ],
                )),
            ],
        )),
      ),
    ],
  ),
),
);
  }
}
```

2. Profile

Berikut kode nya

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

import 'package:flutter/material.dart';

import 'package:flutter/services.dart';

import 'package:flutter_login_ui/pages/login_page.dart';

import 'package:flutter_login_ui/pages/splash_screen.dart';

import 'package:flutter_login_ui/pages/widgets/header_widget.dart';



import 'forgot_password_page.dart';

import 'forgot_password_verification_page.dart';

import 'registration_page.dart';



class ProfilePage extends StatefulWidget {

  @override

  State<StatefulWidget> createState() {

    return _ProfilePageState();

  }

}



class _ProfilePageState extends State<ProfilePage> {
```

```dart
  double _drawerIconSize = 24;

  double _drawerFontSize = 17;



  @override

  Widget build(BuildContext context) {

    return Scaffold(

      appBar: AppBar(

        title: Text(

          "Data Pribadi",

          style: TextStyle(color: Colors.white, fontWeight: FontWeight.bold),

        ),

        elevation: 0.5,

        iconTheme: IconThemeData(color: Colors.white),

        flexibleSpace: Container(

          decoration: BoxDecoration(

            gradient: LinearGradient(

              begin: Alignment.topLeft,

              end: Alignment.bottomRight,

              colors: <Color>[

            Theme.of(context).primaryColor,

            Theme.of(context).accentColor,

          ])),

        ),

        actions: [

          Container(

            margin: EdgeInsets.only(

              top: 16,

              right: 16,

            ),

            child: Stack(

              children: <Widget>[
```

```dart
          Icon(Icons.notifications),
          Positioned(
            right: 0,
            child: Container(
              padding: EdgeInsets.all(1),
              decoration: BoxDecoration(
                color: Colors.red,
                borderRadius: BorderRadius.circular(6),
              ),
              constraints: BoxConstraints(
                minWidth: 12,
                minHeight: 12,
              ),
              child: Text(
                '5',
                style: TextStyle(
                  color: Colors.white,
                  fontSize: 8,
                ),
                textAlign: TextAlign.center,
              ),
            ),
          )
        ],
      ),
    )
  ],
),
drawer: Drawer(
  child: Container(
    decoration: BoxDecoration(
```

```dart
              gradient: LinearGradient(
                begin: Alignment.topLeft,
                end: Alignment.bottomRight,
                stops: [
              0.0,
              1.0
            ],
                colors: [
              Theme.of(context).primaryColor.withOpacity(0.2),
              Theme.of(context).accentColor.withOpacity(0.5),
            ])),
        child: ListView(
          children: [
            DrawerHeader(
              decoration: BoxDecoration(
                color: Theme.of(context).primaryColor,
                gradient: LinearGradient(
                  begin: Alignment.topLeft,
                  end: Alignment.bottomRight,
                  stops: [0.0, 1.0],
                  colors: [
                    Theme.of(context).primaryColor,
                    Theme.of(context).accentColor,
                  ],
                ),
              ),
              child: Container(
                alignment: Alignment.bottomLeft,
                child: Text(
                  "Menu",
                  style: TextStyle(
```

```dart
            fontSize: 25,

            color: Colors.white,

            fontWeight: FontWeight.bold),
      ),
    ),
  ),
ListTile(

  leading: Icon(

    Icons.screen_lock_landscape_rounded,

    size: _drawerIconSize,

    color: Theme.of(context).accentColor,

  ),

  title: Text(

    'Splash Screen',

    style: TextStyle(

        fontSize: 17, color: Theme.of(context).accentColor),

  ),

  onTap: () {

    Navigator.push(

        context,

        MaterialPageRoute(

            builder: (context) =>

                SplashScreen(title: "Splash Screen")));

  },

),

ListTile(

  leading: Icon(Icons.login_rounded,

      size: _drawerIconSize,

      color: Theme.of(context).accentColor),

  title: Text(

    'Masuk Akun',
```

```dart
            style: TextStyle(
                fontSize: _drawerFontSize,
                color: Theme.of(context).accentColor),
          ),
          onTap: () {
            Navigator.push(
              context,
              MaterialPageRoute(builder: (context) => LoginPage()),
            );
          },
        ),
        Divider(
          color: Theme.of(context).primaryColor,
          height: 1,
        ),
        ListTile(
          leading: Icon(Icons.person_add_alt_1,
              size: _drawerIconSize,
              color: Theme.of(context).accentColor),
          title: Text(
            'Mengubah Data Pribadi',
            style: TextStyle(
                fontSize: _drawerFontSize,
                color: Theme.of(context).accentColor),
          ),
          onTap: () {
            Navigator.push(
              context,
              MaterialPageRoute(builder: (context) =>
RegistrationPage()),
            );
          },
```

```dart
          ),
          Divider(
            color: Theme.of(context).primaryColor,
            height: 1,
          ),
          ListTile(
            leading: Icon(
              Icons.password_rounded,
              size: _drawerIconSize,
              color: Theme.of(context).accentColor,
            ),
            title: Text(
              'Logout',
              style: TextStyle(
                  fontSize: _drawerFontSize,
                  color: Theme.of(context).accentColor),
            ),
            onTap: () {
              SystemNavigator.pop();
            },
          ),
        ],
      ),
    ),
  ),
body: SingleChildScrollView(
  child: Stack(
    children: [
      Container(
        height: 100,
        child: HeaderWidget(100, false, Icons.house_rounded),
```

```dart
          ),
          Container(
            alignment: Alignment.center,
            margin: EdgeInsets.fromLTRB(25, 10, 25, 10),
            padding: EdgeInsets.fromLTRB(10, 0, 10, 0),
            child: Column(
              children: [
                Container(
                  padding: EdgeInsets.all(10),
                  decoration: BoxDecoration(
                    borderRadius: BorderRadius.circular(100),
                    border: Border.all(width: 5, color: Colors.white),
                    color: Colors.white,
                    boxShadow: [
                      BoxShadow(
                        color: Colors.black12,
                        blurRadius: 20,
                        offset: const Offset(5, 5),
                      ),
                    ],
                  ),
                  child: Icon(
                    Icons.person,
                    size: 80,
                    color: Colors.grey.shade300,
                  ),
                ),
                SizedBox(
                  height: 20,
                ),
                Text(
```

```dart
              'Ilham Maulana Cakra Dwi Noto',
              style: TextStyle(fontSize: 22, fontWeight:
FontWeight.bold),
            ),
            SizedBox(
              height: 20,
            ),
            Text(
              'MAHASISWA UNIVERSITAS PELITA BANGSA',
              style: TextStyle(fontSize: 16, fontWeight:
FontWeight.bold),
            ),
            SizedBox(
              height: 10,
            ),
            Container(
              padding: EdgeInsets.all(10),
              child: Column(
                children: <Widget>[
                  Container(
                    padding:
                        const EdgeInsets.only(left: 8.0, bottom: 4.0),
                    alignment: Alignment.topLeft,
                    child: Text(
                      "Informasi Pengguna",
                      style: TextStyle(
                        color: Colors.black87,
                        fontWeight: FontWeight.w500,
                        fontSize: 16,
                      ),
                      textAlign: TextAlign.left,
                    ),
```

```dart
                ),
                Card(
                  child: Container(
                    alignment: Alignment.topLeft,
                    padding: EdgeInsets.all(15),
                    child: Column(
                      children: <Widget>[
                        Column(
                          children: <Widget>[
                            ...ListTile.divideTiles(
                              color: Colors.grey,
                              tiles: [
                                ListTile(
                                  contentPadding:
EdgeInsets.symmetric(
                                      horizontal: 12, vertical: 4),
                                  leading: Icon(Icons.my_location),
                                  title: Text("Lokasi"),
                                  subtitle: Text("Indonesia"),
                                ),
                                ListTile(
                                  leading: Icon(Icons.email),
                                  title: Text("Email"),
                                  subtitle: Text(
                                      "ilhammaulana9000@gmail.com"),
                                ),
                                ListTile(
                                  leading: Icon(Icons.phone),
                                  title: Text("No-Telepon"),
                                  subtitle: Text("0895384221686"),
                                ),
                                ListTile(
```
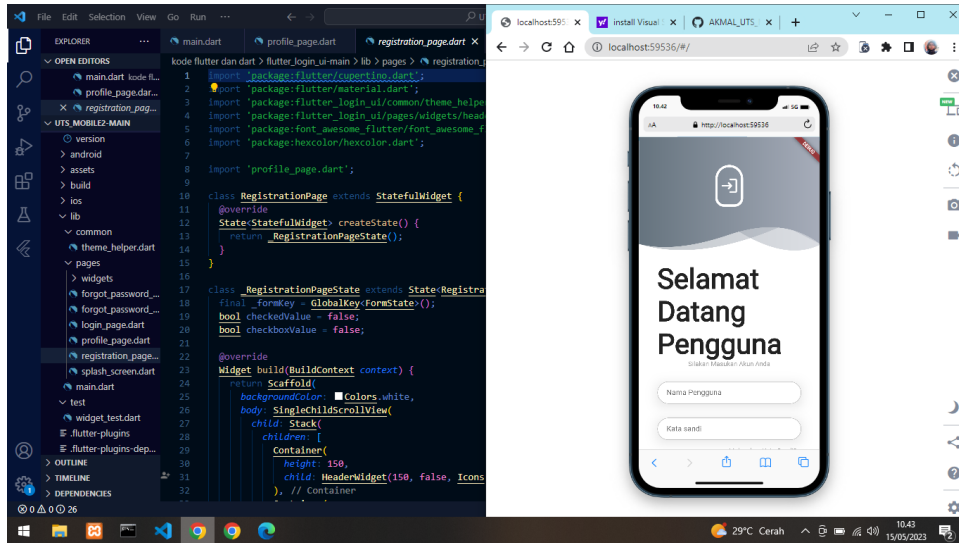
```dart
                              leading: Icon(Icons.person),
                              title: Text("Tentang"),
                              subtitle: Text(
                                "Aku tahu batasanku, dan hanya
aku yang tahu batasanku."),
                            ),
                          ],
                        ),
                      ],
                    )
                  ],
                ),
              ),
            )
          ],
        ),
      )
    ],
  ),
)
],
),
);
}
}
```

3. Registrasi

Berikut kode nya :

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

import 'package:flutter/material.dart';

import 'package:flutter_login_ui/common/theme_helper.dart';

import 'package:flutter_login_ui/pages/widgets/header_widget.dart';

import 'package:font_awesome_flutter/font_awesome_flutter.dart';

import 'package:hexcolor/hexcolor.dart';



import 'profile_page.dart';



class RegistrationPage extends StatefulWidget {

  @override

  State<StatefulWidget> createState() {

    return _RegistrationPageState();
```

```dart
    }
  }


  class _RegistrationPageState extends State<RegistrationPage> {
    final _formKey = GlobalKey<FormState>();
    bool checkedValue = false;
    bool checkboxValue = false;



    @override
    Widget build(BuildContext context) {
      return Scaffold(
        backgroundColor: Colors.white,
        body: SingleChildScrollView(
          child: Stack(
            children: [
              Container(
                height: 150,
                child: HeaderWidget(150, false, Icons.person_add_alt_1_rounded),
              ),
              Container(
                margin: EdgeInsets.fromLTRB(25, 50, 25, 10),
                padding: EdgeInsets.fromLTRB(10, 0, 10, 0),
                alignment: Alignment.center,
                child: Column(
                  children: [
                    Form(
                      key: _formKey,
                      child: Column(
                        children: [
                          GestureDetector(
```

```dart
child: Stack(
  children: [
    Container(
      padding: EdgeInsets.all(10),
      decoration: BoxDecoration(
        borderRadius: BorderRadius.circular(100),
        border:
          Border.all(width: 5, color:
Colors.white),
        color: Colors.white,
        boxShadow: [
          BoxShadow(
            color: Colors.black12,
            blurRadius: 20,
            offset: const Offset(5, 5),
          ),
        ],
      ),
      child: Icon(
        Icons.person,
        color: Colors.grey.shade300,
        size: 80.0,
      ),
    ),
    Container(
      padding: EdgeInsets.fromLTRB(80, 80, 0, 0),
      child: Icon(
        Icons.add_circle,
        color: Colors.grey.shade700,
        size: 25.0,
      ),
    ),
```

```dart
                ],
              ),
            ),
            SizedBox(
              height: 30,
            ),
            Container(
              child: TextFormField(
                decoration: ThemeHelper().textInputDecoration(
                    'Nama Depan', 'Klik lanjut'),
              ),
              decoration:
  ThemeHelper().inputBoxDecorationShaddow(),
            ),
            SizedBox(
              height: 30,
            ),
            Container(
              child: TextFormField(
                decoration: ThemeHelper().textInputDecoration(
                    'Nama Belakang', 'Klik lanjut'),
              ),
              decoration:
  ThemeHelper().inputBoxDecorationShaddow(),
            ),
            SizedBox(height: 20.0),
            Container(
              child: TextFormField(
                decoration: ThemeHelper().textInputDecoration(
                    "Cantumkan Email", "Klik lanjut"),
                keyboardType: TextInputType.emailAddress,
                validator: (val) {
```

```dart
                        if (!(val!.isEmpty) &&
                            !RegExp(r"^[a-zA-Z0-9.!#$%&'*+/=?^_`{|}~-
]+@[a-zA-Z0-9](?:[a-zA-Z0-9-]{0,253}[a-zA-Z0-9])?(?:\.[a-zA-Z0-9](?:[a-zA-Z0-9-]{0,253}[a-zA-Z0-9])?)*$")
                                .hasMatch(val)) {
                          return "Enter a valid email address";
                        }
                        return null;
                      },
                    ),
                    decoration:
ThemeHelper().inputBoxDecorationShaddow(),
                  ),
                  SizedBox(height: 20.0),
                  Container(
                    child: TextFormField(
                      decoration: ThemeHelper().textInputDecoration(
                          "No-Telepon", "Klik lamjut"),
                      keyboardType: TextInputType.phone,
                      validator: (val) {
                        if (!(val!.isEmpty) &&
                            !RegExp(r"^(\d+)*$").hasMatch(val)) {
                          return "Enter a valid phone number";
                        }
                        return null;
                      },
                    ),
                    decoration:
ThemeHelper().inputBoxDecorationShaddow(),
                  ),
                  SizedBox(height: 20.0),
                  Container(
                    child: TextFormField(
```

```dart
                          obscureText: true,
                          decoration: ThemeHelper().textInputDecoration(
                              "Kata Sandi*", "Klik lanjut"),
                          validator: (val) {
                            if (val!.isEmpty) {
                              return "Mohon Masukan Kata Sandi Anda";
                            }
                            return null;
                          },
                        ),
                        decoration:
    ThemeHelper().inputBoxDecorationShaddow(),
                      ),
                      SizedBox(height: 15.0),
                      FormField<bool>(
                        builder: (state) {
                          return Column(
                            children: <Widget>[
                              Row(
                                children: <Widget>[
                                  Checkbox(
                                      value: checkboxValue,
                                      onChanged: (value) {
                                        setState(() {
                                          checkboxValue = value!;
                                          state.didChange(value);
                                        });
                                      }),
                                  Text(
                                    "I accept all terms and conditions.",
                                    style: TextStyle(color: Colors.grey),
                                  ),
```

```dart
              ],
            ),
            Container(
              alignment: Alignment.centerLeft,
              child: Text(
                state.errorText ?? '',
                textAlign: TextAlign.left,
                style: TextStyle(
                  color: Theme.of(context).errorColor,
                  fontSize: 12,
                ),
              ),
            )
          ],
        );
      },
      validator: (value) {
        if (!checkboxValue) {
          return 'You need to accept terms and
conditions';
        } else {
          return null;
        }
      },
    ),
    SizedBox(height: 20.0),
    Container(
      decoration:
          ThemeHelper().buttonBoxDecoration(context),
      child: ElevatedButton(
        style: ThemeHelper().buttonStyle(),
        child: Padding(
```

```dart
              padding:
                const EdgeInsets.fromLTRB(40, 10, 40, 10),
              child: Text(
                "Register".toUpperCase(),
                style: TextStyle(
                  fontSize: 20,
                  fontWeight: FontWeight.bold,
                  color: Colors.white,
                ),
              ),
            ),
            onPressed: () {
              if (_formKey.currentState!.validate()) {
                Navigator.of(context).pushAndRemoveUntil(
                  MaterialPageRoute(
                    builder: (context) => ProfilePage()),
                  (Route<dynamic> route) => false);
              }
            },
          ),
        ),
        SizedBox(height: 30.0),
        Text(
          "Or create account using social media",
          style: TextStyle(color: Colors.grey),
        ),
        SizedBox(height: 25.0),
        Row(
          mainAxisAlignment: MainAxisAlignment.center,
          children: [
            GestureDetector(
```

```dart
              child: FaIcon(
                FontAwesomeIcons.googlePlus,
                size: 35,
                color: HexColor("#EC2D2F"),
              ),
              onTap: () {
                setState(() {
                  showDialog(
                    context: context,
                    builder: (BuildContext context) {
                      return ThemeHelper().alartDialog(
                          "Google Plus",
                          "You tap on GooglePlus social
icon.",
                          context);
                    },
                  );
                });
              },
            ),
            SizedBox(
              width: 30.0,
            ),
            GestureDetector(
              child: Container(
                padding: EdgeInsets.all(0),
                decoration: BoxDecoration(
                  borderRadius: BorderRadius.circular(100),
                  border: Border.all(
                      width: 5, color: HexColor("#40ABF0")),
                  color: HexColor("#40ABF0"),
                ),
```

```dart
        child: FaIcon(
          FontAwesomeIcons.twitter,
          size: 23,
          color: HexColor("#FFFFFF"),
        ),
      ),
      onTap: () {
        setState(() {
          showDialog(
            context: context,
            builder: (BuildContext context) {
              return ThemeHelper().alartDialog(
                  "Twitter",
                  "You tap on Twitter social icon.",
                  context);
            },
          );
        });
      },
    ),
    SizedBox(
      width: 30.0,
    ),
    GestureDetector(
      child: FaIcon(
        FontAwesomeIcons.facebook,
        size: 35,
        color: HexColor("#3E529C"),
      ),
      onTap: () {
        setState(() {
```

```dart
                    showDialog(
                      context: context,
                      builder: (BuildContext context) {
                        return ThemeHelper().alartDialog(
                            "Facebook",
                            "You tap on Facebook social icon.",
                            context);
                      },
                    );
                  });
                },
              ),
            ],
          ),
        ],
      ),
    ),
                ),
              ],
            ),
          ),
        ),
      );
    }
  }
```