UTS Pemrograman Mobile

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Mata Kuliah   : Pemrograman Mobile

Login Page

1. Buatlah file flutter_login_ui-main, kemudian buatlah sebuah folder didalam file flutter_login_ui-main.
2. Berikut yang berada didalam file flutter_login_ui-main adalah :
   - .dart_tool
   - android
   - assets
   - build
   - ios
   - lib
     - ➤ common
       - - theme_helper.dart

     - ➤ Widgets
       - - Header_widget.dart

```dart
// This widget will draw header section of all page. Wich you will get
with the project source code.

import 'package:flutter/material.dart';

class HeaderWidget extends StatefulWidget {
  final double _height;
  final bool _showIcon;
  final IconData _icon;

  const HeaderWidget(this._height, this._showIcon, this._icon, {Key?
key}) : super(key: key);

  @override
  _HeaderWidgetState createState() => _HeaderWidgetState(_height,
_showIcon, _icon);
}

class _HeaderWidgetState extends State<HeaderWidget> {
  double _height;
```

```dart
        bool _showIcon;
        IconData _icon;

        _HeaderWidgetState(this._height, this._showIcon, this._icon);


        @override
        Widget build(BuildContext context) {
          double width = MediaQuery
              .of(context)
              .size
              .width;

          return Container(
            child: Stack(
              children: [
                ClipPath(
                  child: Container(
                    decoration: new BoxDecoration(
                      gradient: new LinearGradient(
                        colors: [
                          Theme.of(context).primaryColor.withOpacity(0.4),
                          Theme.of(context).accentColor.withOpacity(0.4),
                        ],
                        begin: const FractionalOffset(0.0, 0.0),
                        end: const FractionalOffset(1.0, 0.0),
                        stops: [0.0, 1.0],
                        tileMode: TileMode.clamp
                      ),
                    ),
                  ),
                  clipper: new ShapeClipper(
                    [
                      Offset(width / 5, _height),
                      Offset(width / 10 * 5, _height - 60),
                      Offset(width / 5 * 4, _height + 20),
                      Offset(width, _height - 18)
                    ]
                  ),
                ),
                ClipPath(
                  child: Container(
                    decoration: new BoxDecoration(
                      gradient: new LinearGradient(
                        colors: [
                          Theme.of(context).primaryColor.withOpacity(0.4),
                          Theme.of(context).accentColor.withOpacity(0.4),
                        ],
                        begin: const FractionalOffset(0.0, 0.0),
```

```dart
                end: const FractionalOffset(1.0, 0.0),
                stops: [0.0, 1.0],
                tileMode: TileMode.clamp
              ),
            ),
          ),
          clipper: new ShapeClipper(
              [
                Offset(width / 3, _height + 20),
                Offset(width / 10 * 8, _height - 60),
                Offset(width / 5 * 4, _height - 60),
                Offset(width, _height - 20)
              ]
          ),
        ),
        ClipPath(
          child: Container(
            decoration: new BoxDecoration(
              gradient: new LinearGradient(
                  colors: [
                    Theme.of(context).primaryColor,
                    Theme.of(context).accentColor,
                  ],
                  begin: const FractionalOffset(0.0, 0.0),
                  end: const FractionalOffset(1.0, 0.0),
                  stops: [0.0, 1.0],
                  tileMode: TileMode.clamp
              ),
            ),
          ),
          clipper: new ShapeClipper(
              [
                Offset(width / 5, _height),
                Offset(width / 2, _height - 40),
                Offset(width / 5 * 4, _height - 80),
                Offset(width, _height - 20)
              ]
          ),
        ),
        Visibility(
          visible: _showIcon,
          child: Container(
            height: _height - 40,
            child: Center(
              child: Container(
                margin: EdgeInsets.all(20),
                padding: EdgeInsets.only(
                  left: 5.0,
```

```dart
                              top: 20.0,
                              right: 5.0,
                              bottom: 20.0,
                            ),
                            decoration: BoxDecoration(
                              // borderRadius: BorderRadius.circular(20),
                              borderRadius: BorderRadius.only(
                                topLeft: Radius.circular(100),
                                topRight: Radius.circular(100),
                                bottomLeft: Radius.circular(60),
                                bottomRight: Radius.circular(60),
                              ),
                              border: Border.all(width: 5, color: Colors.white),
                            ),
                            child: Icon(
                              _icon,
                              color: Colors.white,
                              size: 40.0,
                            ),
                          ),
                        ),
                      ),
                    ),

                ],
              ),
            );
          }
        }

  class ShapeClipper extends CustomClipper<Path> {
    List<Offset> _offsets = [];
    ShapeClipper(this._offsets);
    @override
    Path getClip(Size size) {
      var path = new Path();

      path.lineTo(0.0, size.height-20);

      // path.quadraticBezierTo(size.width/5, size.height, size.width/2,
size.height-40);
      // path.quadraticBezierTo(size.width/5*4, size.height-80,
size.width, size.height-20);

      path.quadraticBezierTo(_offsets[0].dx, _offsets[0].dy,
_offsets[1].dx,_offsets[1].dy);
      path.quadraticBezierTo(_offsets[2].dx, _offsets[2].dy,
_offsets[3].dx,_offsets[3].dy);
```

```
            // path.lineTo(size.width, size.height-20);
            path.lineTo(size.width, 0.0);
            path.close();

            return path;
        }

        @override
        bool shouldReclip(CustomClipper<Path> oldClipper) => false;
    }
```

- Forgot_password_page.dart

```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_verification_page.dart';
import 'login_page.dart';
import 'widgets/header_widget.dart';

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

  @override
  _ForgotPasswordPageState createState() => _ForgotPasswordPageState();
}

class _ForgotPasswordPageState extends State<ForgotPasswordPage> {
  final _formKey = GlobalKey<FormState>();

  @override
  Widget build(BuildContext context) {
    double _headerHeight = 300;
    return Scaffold(
        backgroundColor: Colors.white,
        body: SingleChildScrollView(
          child: Column(
            children: [
              Container(
                height: _headerHeight,
                child: HeaderWidget(_headerHeight, true,
Icons.password_rounded),
              ),
              SafeArea(
                child: Container(
```

```
                    margin: EdgeInsets.fromLTRB(25, 10, 25, 10),
                    padding: EdgeInsets.fromLTRB(10, 0, 10, 0),
                    child: Column(
                      children: [
                        Container(
                          alignment: Alignment.topLeft,
                          margin: EdgeInsets.fromLTRB(20, 0, 20, 0),
                          child: Column(
                            mainAxisAlignment: MainAxisAlignment.start,
                            crossAxisAlignment: CrossAxisAlignment.start,
                            children: [
                              Text('Forgot Password?',
                                style: TextStyle(
                                    fontSize: 35,
                                    fontWeight: FontWeight.bold,
                                    color: Colors.black54
                                ),
                                // textAlign: TextAlign.center,
                              ),
                              SizedBox(height: 10,),
                              Text('Enter the email address associated with your
account.',

                                style: TextStyle(
                                  // fontSize: 20,
                                    fontWeight: FontWeight.bold,
                                    color: Colors.black54
                                ),
                                // textAlign: TextAlign.center,
                              ),
                              SizedBox(height: 10,),
                              Text('We will email you a verification code to
check your authenticity.',
                                style: TextStyle(
                                  color: Colors.black38,
                                  // fontSize: 20,
                                ),
                                // textAlign: TextAlign.center,
                              ),
                            ],
                          ),
                        ),
                        SizedBox(height: 40.0),
                        Form(
                          key: _formKey,
                          child: Column(
                            children: <Widget>[
                              Container(
                                child: TextFormField(
```

```dart
                                    decoration:
ThemeHelper().textInputDecoration("Email", "Enter your email"),
                                    validator: (val){
                                      if(val!.isEmpty){
                                        return "Email can't be empty";
                                      }
                                      else if(!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: 40.0),
                                Container(
                                  decoration:
ThemeHelper().buttonBoxDecoration(context),
                                  child: ElevatedButton(
                                    style: ThemeHelper().buttonStyle(),
                                    child: Padding(
                                      padding: const EdgeInsets.fromLTRB(
                                          40, 10, 40, 10),
                                      child: Text(
                                        "Send".toUpperCase(),
                                        style: TextStyle(
                                          fontSize: 20,
                                          fontWeight: FontWeight.bold,
                                          color: Colors.white,
                                        ),
                                      ),
                                    ),
                                    onPressed: () {
                                      if(_formKey.currentState!.validate()) {
                                        Navigator.pushReplacement(
                                          context,
                                          MaterialPageRoute(
                                              builder: (context) =>
ForgotPasswordVerificationPage()),
                                        );
                                      }
                                    },
                                  ),
                                ),
                                SizedBox(height: 30.0),
```

```dart
                              Text.rich(
                                TextSpan(
                                  children: [
                                    TextSpan(text: "Remember your password? "),
                                    TextSpan(
                                      text: 'Login',
                                      recognizer: TapGestureRecognizer()
                                        ..onTap = () {
                                          Navigator.push(
                                            context,
                                            MaterialPageRoute(builder: (context)
=> LoginPage()),
                                          );
                                        },
                                      style: TextStyle(
                                          fontWeight: FontWeight.bold
                                      ),
                                    ),
                                  ],
                                ),
                              ),
                            ],
                          ),
                        )
                      ],
                    ),
                  ),
                )
              ],
            ),
          )
        );
      }
    }
```

- Forgot_password_verification_page.dart

```dart
import 'package:flutter/gestures.dart';
import 'package:flutter/material.dart';
import 'package:flutter_login_ui/common/theme_helper.dart';
import 'package:otp_text_field/otp_field.dart';
import 'package:otp_text_field/style.dart';


import 'profile_page.dart';
import 'widgets/header_widget.dart';


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

```

```dart
      @override
      _ForgotPasswordVerificationPageState createState() =>
_ForgotPasswordVerificationPageState();
    }

  class _ForgotPasswordVerificationPageState extends
State<ForgotPasswordVerificationPage> {
      final _formKey = GlobalKey<FormState>();
      bool _pinSuccess = false;

      @override
      Widget build(BuildContext context) {
        double _headerHeight = 300;

        return Scaffold(
          backgroundColor: Colors.white,
          body: SingleChildScrollView(
            child: Column(
              children: [
                Container(
                  height: _headerHeight,
                  child: HeaderWidget(
                      _headerHeight, true, Icons.privacy_tip_outlined),
                ),
                SafeArea(
                  child: Container(
                    margin: EdgeInsets.fromLTRB(25, 10, 25, 10),
                    padding: EdgeInsets.fromLTRB(10, 0, 10, 0),
                    child: Column(
                      children: [
                        Container(
                          alignment: Alignment.topLeft,
                          margin: EdgeInsets.fromLTRB(20, 0, 20, 0),
                          child: Column(
                            mainAxisAlignment: MainAxisAlignment.start,
                            crossAxisAlignment: CrossAxisAlignment.start,
                            children: [
                              Text('Verification',
                                style: TextStyle(
                                    fontSize: 35,
                                    fontWeight: FontWeight.bold,
                                    color: Colors.black54
                                ),
                                // textAlign: TextAlign.center,
                              ),
                              SizedBox(height: 10,),
                              Text(
```

```dart
                                      'Enter the verification code we just sent
you on your email address.',
                                  style: TextStyle(
                                    // fontSize: 20,
                                      fontWeight: FontWeight.bold,
                                      color: Colors.black54
                                  ),
                                  // textAlign: TextAlign.center,
                              ),
                            ],
                          ),
                        ),
                      ),
                      SizedBox(height: 40.0),
                      Form(
                        key: _formKey,
                        child: Column(
                          children: <Widget>[
                            OTPTextField(
                              length: 4,
                              width: 300,
                              fieldWidth: 50,
                              style: TextStyle(
                                  fontSize: 30
                              ),
                              textFieldAlignment:
MainAxisAlignment.spaceAround,
                              fieldStyle: FieldStyle.underline,
                              onCompleted: (pin) {
                                setState(() {
                                  _pinSuccess = true;
                                });
                              },
                            ),
                            SizedBox(height: 50.0),
                            Text.rich(
                              TextSpan(
                                children: [
                                  TextSpan(
                                    text: "If you didn't receive a code!
",
                                    style: TextStyle(
                                      color: Colors.black38,
                                    ),
                                  ),
                                  TextSpan(
                                    text: 'Resend',
                                    recognizer: TapGestureRecognizer()
                                      ..onTap = () {
```

```dart
                                                showDialog(
                                                    context: context,
                                                    builder: (BuildContext
context) {

                                                      return
ThemeHelper().alartDialog("Successful",

                                                          "Verification code
resend successful.",

                                                          context);
                                                    },
                                                );
                                            },
                                            style: TextStyle(
                                                fontWeight: FontWeight.bold,
                                                color: Colors.orange
                                            ),
                                        ),
                                    ],
                                ),
                            ),
                            SizedBox(height: 40.0),
                            Container(
                                decoration: _pinSuccess ?
ThemeHelper().buttonBoxDecoration(context):ThemeHelper().buttonBoxDecoration(co
ntext, "#AAAAAA","#757575"),
                                child: ElevatedButton(
                                    style: ThemeHelper().buttonStyle(),
                                    child: Padding(
                                        padding: const EdgeInsets.fromLTRB(
                                            40, 10, 40, 10),
                                        child: Text(
                                            "Verify".toUpperCase(),
                                            style: TextStyle(
                                                fontSize: 20,
                                                fontWeight: FontWeight.bold,
                                                color: Colors.white,
                                            ),
                                        ),
                                    ),
                                    onPressed: _pinSuccess ? () {
                                        Navigator.of(context).pushAndRemoveUnt
il(

                                            MaterialPageRoute(
                                                builder: (context) =>
ProfilePage()
                                            ),
                                                (Route<dynamic> route) =>
false
```

```
-                                                    );
-                                              } : null,
-                                            ),
-                                          ),
-                                        ],
-                                      ),
-                                    )
-                                  ],
-                                ),
-                              ),
-                            )
-                          ],
-                        ),
-                      )
-                    );
-                  }
-                }
```

```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> {
  double _headerHeight = 250;
  Key _formKey = GlobalKey<FormState>();

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Colors.white,
      body: SingleChildScrollView(
        child: Column(
          children: [
```

```dart
            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),
                      ),
                      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(
```

```dart
              margin: EdgeInsets.fromLTRB(10, 0, 10, 20),
              alignment: Alignment.topRight,
              child: GestureDetector(
                onTap: () {
                  Navigator.push(
                    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: () {
                  //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),
```

```dart
                                //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),
                                 ),
                               ])),
                             ),
                           ],
                         )),
                     ),
                   ],
                 ),
               ),
             ),
           );
         }
}
```

- Profile_page.dart

```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();
  }
```

```dart
}

class _ProfilePageState extends State<ProfilePage> {
  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>[
                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(
```

```dart
                '5',
                style: TextStyle(
                  color: Colors.white,
                  fontSize: 8,
                ),
                textAlign: TextAlign.center,
              ),
            ),
          )
        ],
      ),
    )
  ],
),
drawer: Drawer(
  child: Container(
    decoration: BoxDecoration(
      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',
        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,
```

```dart
                  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()),
              );
            },
          ),
          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),
        ),
        Container(
```

```dart
              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(
                  'REZZA FAUZI',
                  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>[
```

```dart
                    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,
                      ),
                    ),
                    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("rezzaf205@gmail.com"),
                                    ),
                                    ListTile(
                                      leading: Icon(Icons.phone),
                                      title: Text("No-Telepon"),
                                      subtitle: Text("085884621424"),
                                    ),
                                    ListTile(
                                      leading: Icon(Icons.person),
                                      title: Text("Tentang"),
                                      subtitle: Text(
```

```
                                               "Jangan berhenti ketika lelah.
Berhentilah ketika selesai."),
                                             ),
                                          ],
                                        ),
                                      ],
                                    )
                                  ],
                                ),
                              ),
                            )
                          ],
                        ),
                      )
                    ],
                  ),
                ),
              )
            ],
          ),
        ),
      ),
    );
  }
}
```

- Registration_page.dart

```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();
  }
}

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(
                            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,
```

```dart
                                    size: 25.0,
                                  ),
                                ),
                              ],
                            ),
                          ),
                        ),
                        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) {
                              if (!(val!.isEmpty) &&
                                  !RegExp(r"^[a-zA-Z0-9.!#$%&'*+/=?^_`{|}~-
]+@[a-zA-Z0-9](?:[a-zA-Z0-9-]{0,253}[a-zA-Z0-9])?(?:\.[a-zA-Z0-9-]{0,253}[a-zA-Z0-9](?:[a-zA-Z0-9-
]{0,253}[a-zA-Z0-9])?)*$")
                                      .hasMatch(val)) {
                                return "Enter a valid email address";
                              }
                              return null;
                            },
                          ),
                          decoration:
ThemeHelper().inputBoxDecorationShaddow(),
                        ),
```

```dart
                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(
                    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);
                                  });
                                }),
```

```dart
                        Text(
                          "I accept all terms and conditions.",
                          style: TextStyle(color: Colors.grey),
                        ),
                      ],
                    ),
                    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(
                  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()) {
```

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

```
              ),
            ],
          ),
        ),
      ],
    ),
  ),
);
}
}
```

- Splash_screen.dart

```dart
import 'dart:async';

import 'package:flutter/material.dart';

import 'login_page.dart';

class SplashScreen extends StatefulWidget {
  SplashScreen({Key? key, required this.title}) : super(key: key);

  final String title;

  @override
  _SplashScreenState createState() => _SplashScreenState();
}

class _SplashScreenState extends State<SplashScreen> {
  bool _isVisible = false;

  _SplashScreenState(){

    new Timer(const Duration(milliseconds: 2000), (){
      setState(() {
        Navigator.of(context).pushAndRemoveUntil(
        MaterialPageRoute(builder: (context) => LoginPage()), (route) =>
false);
      });
    });

    new Timer(
      Duration(milliseconds: 10),(){
        setState(() {
          _isVisible = true; // Now it is showing fade effect and navigating to
Login page
        });
      }
    );
```

```dart
  }

  @override
  Widget build(BuildContext context) {

    return Container(
      decoration: new BoxDecoration(
        gradient: new LinearGradient(
          colors: [Theme.of(context).accentColor,
Theme.of(context).primaryColor],
          begin: const FractionalOffset(0, 0),
          end: const FractionalOffset(1.0, 0.0),
          stops: [0.0, 1.0],
          tileMode: TileMode.clamp,
        ),
      ),
      child: AnimatedOpacity(
        opacity: _isVisible ? 1.0 : 0,
        duration: Duration(milliseconds: 1200),
        child: Center(
          child: Container(
            height: 140.0,
            width: 140.0,
            child: Center(
              child: ClipOval(
                child: Icon(Icons.android_outlined, size: 128,), //put your
logo here
              ),
            ),
            decoration: BoxDecoration(
              shape: BoxShape.circle,
              color: Colors.white,
              boxShadow: [
                BoxShadow(
                  color: Colors.black.withOpacity(0.3),
                  blurRadius: 2.0,
                  offset: Offset(5.0, 3.0),
                  spreadRadius: 2.0,
                )
              ]
            ),
          ),
        ),
      ),
    );
  }
}
```

- Main.dart

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

import 'pages/splash_screen.dart';

void main() {
  runApp(LoginUiApp());
}

class LoginUiApp extends StatelessWidget {

  Color _primaryColor = HexColor('#68fe54');
  Color _accentColor = HexColor('#54fea1');

  // Design color
  // Color _primaryColor= HexColor('#FFC867');
  // Color _accentColor= HexColor('#FF3CBD');

  // Our Logo Color
  // Color _primaryColor= HexColor('#D44CF6');
  // Color _accentColor= HexColor('#5E18C8');

  // Our Logo Blue Color
  //Color _primaryColor= HexColor('#651BD2');
  //Color _accentColor= HexColor('#320181');

  // This widget is the root of your application.
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Flutter Login UI',
      theme: ThemeData(
        primaryColor: _primaryColor,
        accentColor: _accentColor,
        scaffoldBackgroundColor: Colors.grey.shade100,
        primarySwatch: Colors.grey,
      ),
      home: SplashScreen(title: 'Flutter Login UI'),
    );
  }
}
```

➤ Test
- Widget_test.dart

```dart
// This is a basic Flutter widget test.
//
// To perform an interaction with a widget in your test, use the WidgetTester
// utility that Flutter provides. For example, you can send tap and scroll
// gestures. You can also use WidgetTester to find child widgets in the widget
// tree, read text, and verify that the values of widget properties are
// correct.

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

import 'package:flutter_login_ui/main.dart';

void main() {
  testWidgets('Counter increments smoke test', (WidgetTester tester) async {
    // Build our app and trigger a frame.
    await tester.pumpWidget(LoginUiApp());

    // Verify that our counter starts at 0.
    expect(find.text('0'), findsOneWidget);
    expect(find.text('1'), findsNothing);

    // Tap the '+' icon and trigger a frame.
    await tester.tap(find.byIcon(Icons.add));
    await tester.pump();

    // Verify that our counter has incremented.
    expect(find.text('0'), findsNothing);
    expect(find.text('1'), findsOneWidget);
  });
}
```

➢ Berikut outputnya