

LAPORAN

PROJECT SIAKAD MOBILE

Untuk memenuhi salah satu ujian tengah semester (UTS)

Matakuliah Pemrograman Lanjutan yang diampu oleh Nova Agustina, M.Kom.



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IF 7A

POLITEKNIK TEDC BANDUNG

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Kata Pengantar

Puji syukur kami panjatkan kehadiran Tuhan Yang Maha Esa yang telah menganugerahkan banyak nikmat sehingga kami dapat menyusun laporan project ini dengan baik. Laporan ini berisi tentang uraian hasil riset mengenai “Siakad Mobile”. Laporan ini kami susun secara cepat dengan bantuan dan dukungan berbagai pihak diantaranya; rekan-rekan dari kelompok yang senantiasa bekerjasama dengan baik,serta ibu Nova Agustina, M.Kom selaku dosen pembimbing .

Oleh karena itu kami sampaikan terima kasih atas waktu, tenaga dan pikirannya yang telah diberikan. Dalam penyusunan laporan ini, kami menyadari bahwa hasil laporan project ini masih jauh dari kata sempurna. Sehingga kami selaku penyusun sangat mengharapkan kritik dan saran yang membangun dari pembaca sekalian. Akhir kata Semoga laporan praktikum ini dapat memberikan manfaat untuk kelompok kami khususnya, dan masyarakat Indonesia umumnya.

Cimahi, 11 November 2021

Penyusun

Rencana Project

Deskripsi: Project yang kami buat adalah siacad untuk mendukung kegiatan akademik di Politeknik TEDC Bandung yang mana project ini berisikan fitur-fitur seperti splash screen, halaman login dan register. Dalam siacad berisi nilai-nilai mahasiswa, ranking mahasiswa, daftar mata kuliah beserta sks nya, KHS dan juga KRS.

Input :

- Constants.dart

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

class ColorPalette {
  static const primaryColor = Color(0xff388e3c);
  static const primaryDarkColor = Color(0xff607cbf);
  static const underlineTextField = Color(0xff8b97ff);
  static const hintColor = Color(0xffccd1ff);
}
```

- Splashscreen_view.dart

```
// ignore_for_file: use_key_in_widget_constructors,
// override_on_non_overriding_member, prefer_const_constructors

import 'package:flutter/material.dart';
// ignore: unused_import
import 'package:flutter_splashscreen/constants.dart';
// ignore: unused_import
import 'package:flutter_splashscreen/register_view.dart';
import 'package:flutter_splashscreen/login_view.dart';

import 'dart:async';

class SplashScreenPage extends StatefulWidget {
  @override
  _SplashScreenPageState createState() => _SplashScreenPageState();
}

class _SplashScreenPageState extends State<SplashScreenPage> {
  @override
  void initState() {
```

```

    super.initState();
    startSplashScreen();
  }

  startSplashScreen() async {
    var duration = const Duration(seconds: 5);
    return Timer(duration, () {
      Navigator.of(context).pushReplacement(
        MaterialPageRoute(builder: (_) {
          return LoginPage();
        }),
      );
    });
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Color(0xff388e3c),
      body: Center(
        child: Image.asset(
          "lib/images/logo.png",
          width: 200.0,
          height: 100.0,
        ),
      ),
    );
  }
}

```

- Login_view.dart

```

import 'package:flutter/material.dart';
import 'package:flutter_splashscreen/constants.dart';
import 'package:flutter_splashscreen/register_view.dart';

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

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      body: Container(
        color: ColorPalette.primaryColor,

```

```

padding: const EdgeInsets.all(20.0),
child: ListView(
  children: <Widget>[
    Center(
      child: Column(
        children: <Widget>[
          _iconLogin(),
          _titleDescription(),
          _textField(),
          _buildButton(context),
        ],
      ),
    ),
  ],
),
);
}

Widget _iconLogin() {
  return Image.asset(
    "lib/images/logo.png",
    width: 150.0,
    height: 150.0,
  );
}

Widget _titleDescription() {
  return Column(
    // ignore: prefer_const_literals_to_create_immutables
    children: <Widget>[
      const Padding(
        padding: EdgeInsets.only(top: 16.0),
      ),
      const Text(
        "SIAKAD POLITEKNIK TEDC BANDUNG",
        style: TextStyle(
          color: Colors.white,
          fontSize: 16.0,
        ),
      ),
    ],
    const Padding(
      padding: EdgeInsets.only(top: 12.0),
    ),
    const Text(

```

```

        "Informasi seputar akademik mahasiswa Politeknik Tedc Bandung.",
        style: TextStyle(
          fontSize: 12.0,
          color: Colors.white,
        ),
        textAlign: TextAlign.center,
      ),
    ],
  );
}

```

```

Widget _textField() {
  return Column(
    children: <Widget>[
      const Padding(
        padding: EdgeInsets.only(top: 12.0),
      ),
      TextFormField(
        decoration: const InputDecoration(
          icon: Icon(
            Icons.person,
            color: Colors.yellow,
          ),
          border: UnderlineInputBorder(),
          enabledBorder: UnderlineInputBorder(
            borderSide: BorderSide(
              color: ColorPalette.underlineTextField,
              width: 1.5,
            ),
          ),
          focusedBorder: UnderlineInputBorder(
            borderSide: BorderSide(
              color: Colors.white,
              width: 3.0,
            ),
          ),
          hintText: "Username",
          hintStyle: TextStyle(color: ColorPalette.hintColor),
        ),
        style: const TextStyle(color: Colors.white),
        autofocus: false,
      ),
      const Padding(
        padding: EdgeInsets.only(top: 12.0),
      ),
    ],
  );
}

```

```

    TextFormField(
      decoration: const InputDecoration(
        icon: Icon(
          Icons.lock_outlined,
          color: Colors.yellow,
        ),
        border: UnderlineInputBorder(),
        enabledBorder: UnderlineInputBorder(
          borderSide: BorderSide(
            color: ColorPalette underlineTextField,
            width: 1.5,
          ),
        ),
        focusedBorder: UnderlineInputBorder(
          borderSide: BorderSide(
            color: Colors.white,
            width: 3.0,
          ),
        ),
        hintText: "Password",
        hintStyle: TextStyle(color: ColorPalette.hintColor),
      ),
      style: const TextStyle(color: Colors.white),
      obscureText: true,
      autofocus: false,
    ),
  ],
);
}

Widget _buildButton(BuildContext context) {
  return Column(
    children: <Widget>[
      const Padding(
        padding: EdgeInsets.only(top: 16.0),
      ),
      InkWell(
        child: Container(
          padding: const EdgeInsets.symmetric(vertical: 8.0),
          width: double.infinity,
          child: const Text(
            'Login',
            style: TextStyle(color: ColorPalette.primaryColor),
            textAlign: TextAlign.center,
          ),
        ),
      ),
    ],
  );
}

```

```

        decoration: BoxDecoration(
          color: Colors.yellow,
          borderRadius: BorderRadius.circular(30.0),
        ),
      ),
    ),
    const Padding(
      padding: EdgeInsets.only(top: 16.0),
    ),
    const Text(
      'or',
      style: TextStyle(
        color: Colors.white,
        fontSize: 12.0,
      ),
    ),
  ),
  // ignore: deprecated_member_use
  FlatButton(
    child: const Text(
      'Register',
      style: TextStyle(color: Colors.white),
    ),
    onPressed: () {
      Navigator.push(
        context,
        MaterialPageRoute(
          builder: (context) => const RegisterPage(),
        ));
    },
  ),
],
);
}
}

```

- Register_view.dart

```

import 'package:flutter/material.dart';
import 'package:flutter_splashscreen/constants.dart';

class RegisterPage extends StatelessWidget {
  static const routeName = "/registerPage";

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

```



```

@override
Widget build(BuildContext context) {
  return Scaffold(
    body: Container(
      color: ColorPalette.primaryColor,
      padding: const EdgeInsets.all(20.0),
      child: ListView(
        children: <Widget>[
          Center(
            child: Column(
              children: <Widget>[
                _iconRegister(),
                _titleDescription(),
                _textField(),
                _buildButton(context),
              ],
            ),
          ),
        ],
      ),
    ),
  );
}

Widget _iconRegister() {
  return Image.asset(
    "lib/images/logo.png",
    width: 150.0,
    height: 150.0,
  );
}

Widget _titleDescription() {
  return Column(
    // ignore: prefer_const_literals_to_create_immutables
    children: <Widget>[
      const Padding(
        padding: EdgeInsets.only(top: 16.0),
      ),
      const Text(
        "Registration",
        style: TextStyle(
          color: Colors.white,
          fontSize: 16.0,
        ),
      ),
    ],
  );
}

```

```

    ),
    const Padding(
      padding: EdgeInsets.only(top: 12.0),
    ),
    const Text(
      "Lengkapi data diri anda.",
      style: TextStyle(
        fontSize: 12.0,
        color: Colors.white,
      ),
      textAlign: TextAlign.center,
    ),
  ],
);
}

Widget _textField() {
  return Column(
    children: <Widget>[
      const Padding(
        padding: EdgeInsets.only(top: 12.0),
      ),
      TextFormField(
        decoration: const InputDecoration(
          icon: Icon(
            Icons.person,
            color: Colors.yellow,
          ),
          border: UnderlineInputBorder(),
          enabledBorder: UnderlineInputBorder(
            borderSide: BorderSide(
              color: ColorPalette.underlineTextField,
              width: 1.5,
            ),
          ),
          focusedBorder: UnderlineInputBorder(
            borderSide: BorderSide(
              color: Colors.white,
              width: 3.0,
            ),
          ),
          hintText: "Username",
          hintStyle: TextStyle(color: ColorPalette.hintColor),
        ),
        style: const TextStyle(color: Colors.white),
      ),
    ],
  );
}

```

```

        autofocus: false,
      ),
      TextFormField(
        decoration: const InputDecoration(
          icon: Icon(
            Icons.assignment_ind_outlined,
            color: Colors.yellow,
          ),
          border: UnderlineInputBorder(),
          enabledBorder: UnderlineInputBorder(
            borderSide: BorderSide(
              color: ColorPalette.underlineTextField,
              width: 1.5,
            ),
          ),
          focusedBorder: UnderlineInputBorder(
            borderSide: BorderSide(
              color: Colors.white,
              width: 3.0,
            ),
          ),
          hintText: "NIM",
          hintStyle: TextStyle(color: ColorPalette.hintColor),
        ),
        style: const TextStyle(color: Colors.white),
        autofocus: false,
      ),
      const Padding(
        padding: EdgeInsets.only(top: 12.0),
      ),
      TextFormField(
        decoration: const InputDecoration(
          icon: Icon(
            Icons.date_range_outlined,
            color: Colors.yellow,
          ),
          border: UnderlineInputBorder(),
          enabledBorder: UnderlineInputBorder(
            borderSide: BorderSide(
              color: ColorPalette.underlineTextField,
              width: 1.5,
            ),
          ),
          focusedBorder: UnderlineInputBorder(
            borderSide: BorderSide(

```

```

        color: Colors.white,
        width: 3.0,
      ),
    ),
    hintText: "Tanggal Lahir",
    hintStyle: TextStyle(color: ColorPalette.hintColor),
  ),
  style: const TextStyle(color: Colors.white),
  autofocus: false,
),
TextFormField(
  decoration: const InputDecoration(
    icon: Icon(
      Icons.lock_outlined,
      color: Colors.yellow,
    ),
    border: UnderlineInputBorder(),
    enabledBorder: UnderlineInputBorder(
      borderSide: BorderSide(
        color: ColorPalette.underlineTextField,
        width: 1.5,
      ),
    ),
    focusedBorder: UnderlineInputBorder(
      borderSide: BorderSide(
        color: Colors.white,
        width: 3.0,
      ),
    ),
    hintText: "Password",
    hintStyle: TextStyle(color: ColorPalette.hintColor),
  ),
  style: const TextStyle(color: Colors.white),
  obscureText: true,
  autofocus: false,
),
const Padding(
  padding: EdgeInsets.only(top: 12.0),
),
TextFormField(
  decoration: const InputDecoration(
    icon: Icon(
      Icons.password_outlined,
      color: Colors.yellow,
    ),
  ),

```

```

        border: UnderlineInputBorder(),
        enabledBorder: UnderlineInputBorder(
          borderSide: BorderSide(
            color: ColorPalette.underlineTextField,
            width: 1.5,
          ),
        ),
        focusedBorder: UnderlineInputBorder(
          borderSide: BorderSide(
            color: Colors.white,
            width: 3.0,
          ),
        ),
        hintText: "Confirm Password",
        hintStyle: TextStyle(color: ColorPalette.hintColor),
      ),
      style: const TextStyle(color: Colors.white),
      obscureText: true,
      autofocus: false,
    ),
  ],
);
}

```

```

Widget _buildButton(BuildContext context) {
  return Column(
    children: <Widget>[
      const Padding(
        padding: EdgeInsets.only(top: 16.0),
      ),
      InkWell(
        child: Container(
          padding: const EdgeInsets.symmetric(vertical: 8.0),
          width: double.infinity,
          child: const Text(
            'Register',
            style: TextStyle(color: ColorPalette.primaryColor),
            textAlign: TextAlign.center,
          ),
        ),
        decoration: BoxDecoration(
          color: Colors.yellow,
          borderRadius: BorderRadius.circular(30.0),
        ),
      ),
    ],
  ),
);
}

```

```

    const Padding(
      padding: EdgeInsets.only(top: 16.0),
    ),
    const Text(
      'or',
      style: TextStyle(
        color: Colors.white,
        fontSize: 12.0,
      ),
    ),
    // ignore: deprecated_member_use
    FlatButton(
      child: const Text(
        'Login',
        style: TextStyle(color: Colors.white),
      ),
      onPressed: () {
        Navigator.pushNamed(context, "/");
      },
    ),
  ],
);
}
}

```

- **Main.dart**

```

import 'package:flutter/material.dart';
import 'package:flutter_splashscreen/splashscreen_view.dart';

void main() {
  runApp(MaterialApp(
    debugShowCheckedModeBanner: false,
    title: "Splash Screen",
    home: SplashScreenPage(),
  ));
}

```

- **Pubspec.yaml**

```

name: flutter_splashscreen
description: A new Flutter project.

# The following line prevents the package from being accidentally published to

```

```
# pub.dev using `flutter pub publish`. This is preferred for private packages.
publish_to: 'none' # Remove this line if you wish to publish to pub.dev

# The following defines the version and build number for your application.
# A version number is three numbers separated by dots, like 1.2.43
# followed by an optional build number separated by a +.
# Both the version and the builder number may be overridden in flutter
# build by specifying --build-name and --build-number, respectively.
# In Android, build-name is used as versionName while build-number used as
versionCode.
# Read more about Android versioning at
https://developer.android.com/studio/publish/versioning
# In iOS, build-name is used as CFBundleShortVersionString while build-number
used as CFBundleVersion.
# Read more about iOS versioning at
#
https://developer.apple.com/library/archive/documentation/General/Reference/InfoPlistKeyReference/Articles/CoreFoundationKeys.html
version: 1.0.0+1

environment:
  sdk: ">=2.12.0 <3.0.0"

# Dependencies specify other packages that your package needs in order to work.
# To automatically upgrade your package dependencies to the latest versions
# consider running `flutter pub upgrade --major-versions`. Alternatively,
# dependencies can be manually updated by changing the version numbers below to
# the latest version available on pub.dev. To see which dependencies have newer
# versions available, run `flutter pub outdated`.
dependencies:
  flutter:
    sdk: flutter

  # The following adds the Cupertino Icons font to your application.
  # Use with the CupertinoIcons class for iOS style icons.
  cupertino_icons: ^1.0.2

dev_dependencies:
  flutter_test:
    sdk: flutter

  # The "flutter_lints" package below contains a set of recommended lints to
  # encourage good coding practices. The lint set provided by the package is
  # activated in the `analysis_options.yaml` file located at the root of your
```

```
# package. See that file for information about deactivating specific lint
# rules and activating additional ones.
flutter_lints: ^1.0.0

# For information on the generic Dart part of this file, see the
# following page: https://dart.dev/tools/pub/pubspec

# The following section is specific to Flutter.
flutter:

  # The following line ensures that the Material Icons font is
  # included with your application, so that you can use the icons in
  # the material Icons class.
  uses-material-design: true


  # To add assets to your application, add an assets section, like this:
  assets:
    - lib/images/
    #   - images/a_dot_ham.jpeg

  # An image asset can refer to one or more resolution-specific "variants", see
  # https://flutter.dev/assets-and-images/#resolution-aware.

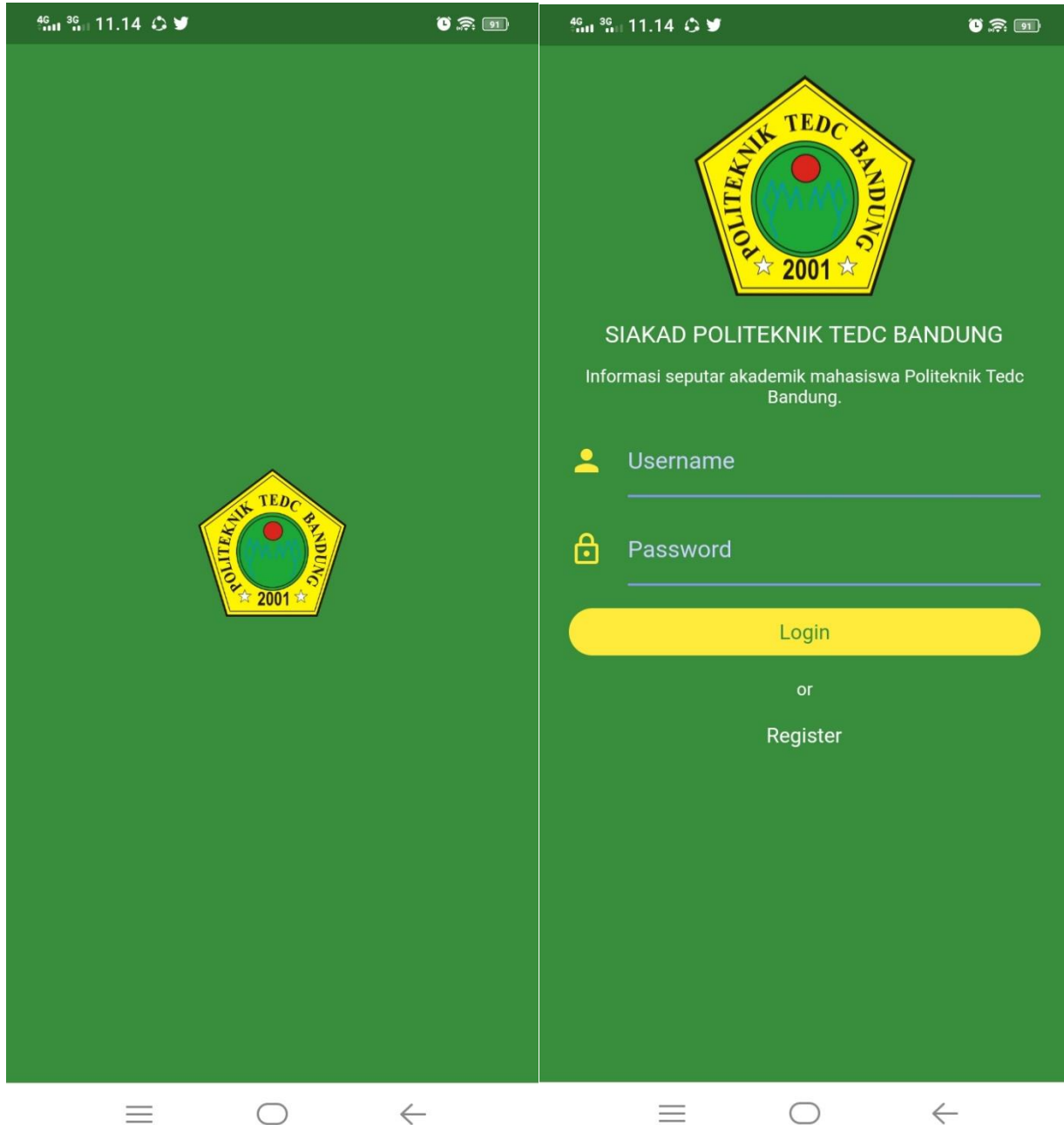
  # For details regarding adding assets from package dependencies, see
  # https://flutter.dev/assets-and-images/#from-packages


  # To add custom fonts to your application, add a fonts section here,
  # in this "flutter" section. Each entry in this list should have a
  # "family" key with the font family name, and a "fonts" key with a
  # list giving the asset and other descriptors for the font. For
  # example:
  # fonts:
  #   - family: Schyler
  #     fonts:
  #       - asset: fonts/Schyler-Regular.ttf
  #       - asset: fonts/Schyler-Italic.ttf
  #         style: italic
  #   - family: Trajan Pro
  #     fonts:
  #       - asset: fonts/TrajanPro.ttf
  #       - asset: fonts/TrajanPro_Bold.ttf
  #         weight: 700
  #
```




```
# For details regarding fonts from package dependencies,  
# see https://flutter.dev/custom-fonts/#from-packages
```

Output :





4G 3G 11.14 91





Registration


Lengkapi data diri anda.

 Username

 NIM

 Tanggal Lahir

 Password

 Confirm Password

Register

or

Login

https://github.com/dinashinta/UTS_Siakad

DAFTAR PUSTAKA

<https://akupintar.id/universitas/-/kampus/detail-kampus/politeknik-tedc/profil>