

LISTING PROGRAM

main.dart

```
import
'package:dtracsi/views/Splash/splashscreen.dart';
import
'package:firebase_core/firebase_core.dart'
;
import 'package:flutter/material.dart';

void main() async {
  WidgetsFlutterBinding.ensureInitialized(
);
  await Firebase.initializeApp();
  runApp(const MyApp());
}

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

  @override
  Widget build(BuildContext context) {
    return const
MaterialApp(debugShowCheckedModeBanner: false, home: Splash());
  }
}
```

splashscreen.dart

```
import
'package:dtracsi/utills/function.dart';
import
'package:dtracsi/views/Login/login.dart';
import
'package:dtracsi/widgets/appbarview.dart';
import
'package:dtracsi/widgets/textview.dart';
import 'package:flutter/material.dart';

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

  @override
  State<Splash> createState() =>
_SplashState();
}

class _SplashState extends State<Splash>
{
  @override
  void initState() {
    navigationReplaceDelay(context, const
Login(), 3);
  }
}
```

```
super.initState();
}

@override
Widget build(BuildContext context) {
  return Scaffold(
    backgroundColor: const
Color.fromARGB(255, 255, 255, 255),
    appBar: appBarSplash(),
    body: Column(
      crossAxisAlignment:
CrossAxisAlignment.center,
      mainAxisAlignment:
MainAxisAlignment.center,
      children: [
        Container(
          margin: const
EdgeInsets.only(left: 50, right: 50, top:
70),
          child:
Image.asset('assets/images/splash/logo.png'),
        ),
        const SizedBox(height: 100),
        Container(
          margin: const
EdgeInsets.only(top: 100),
          child: textView("Digital Tracking
Disposisi", 15, Colors.black,
FontWeight.bold,
TextAlign.start, const EdgeInsets.all(0)),
        )
      ],
    ),
  );
}
```

login.dart

```
import
'package:cloud_firestore/cloud_firestore.d
art';
import
'package:dtracsi/views/HomePage/home.d
art';
import
'package:dtracsi/views/HomePage/homept
s.dart';
import
'package:dtracsi/views/HomePage/homeu
ser.dart';
import
'package:dtracsi/views/Login/register.dart'
;
import
'package:dtracsi/widgets/inputview.dart';
```

```

import
'package:dtracsi/widgets/textview.dart';
import
'package:firebase_auth/firebase_auth.dart'
;
import 'package:flutter/material.dart';

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

  @override
  State<Login> createState() =>
  _LoginState();
}

class _LoginState extends State<Login> {
  final FirebaseAuth auth =
  FirebaseAuth.instance;
  final FirebaseFirestore firestore =
  FirebaseFirestore.instance;
  final TextEditingController
  usernameController =
  TextEditingController();
  final TextEditingController
  passwordController =
  TextEditingController();
  bool passwordVisible = false;

  void togglePasswordVisibility() {
    setState(() {
      passwordVisible = !passwordVisible;
    });
  }

  void navigateToRegister() {
    Navigator.push(
      context,
      MaterialPageRoute(builder: (context)
=> const Register()),
    );
  }

  Future<void> login() async {
    String username =
    usernameController.text.trim();
    String password =
    passwordController.text.trim();

    try {
      // Cek di collection 'users'
      QuerySnapshot userSnapshot = await
      firestore
        .collection('users')
        .where('username', isEqualTo:
        username)
        .limit(1)
        .get();

```

```

      if (userSnapshot.docs.isNotEmpty) {
        var userDoc = userSnapshot.docs[0];
        var userData = userDoc.data() as
        Map<String, dynamic>;

        if (userData['password'] == password)
        {
          String role = userData['role'];

          if (role == 'admin') {
            Navigator.pushReplacement(
              context,
              MaterialPageRoute(builder:
              (context) => const Home()),
            );
          } else if (role == 'user') {
            Navigator.pushReplacement(
              context,
              MaterialPageRoute(builder:
              (context) => const HomeUser()),
            );
          } else {
            ScaffoldMessenger.of(context).show
            SnackBar(
              const SnackBar(content:
              Text('Password salah')),
            );
          } else {
            // Jika tidak ditemukan di 'users', cek
            di collection 'pts'
            QuerySnapshot ptsSnapshot = await
            firestore
              .collection('pts')
              .where('username', isEqualTo:
              username)
              .limit(1)
              .get();

            if (ptsSnapshot.docs.isNotEmpty) {
              var ptsDoc = ptsSnapshot.docs[0];
              var ptsData = ptsDoc.data() as
              Map<String, dynamic>;

              if (ptsData['password'] == password)
              {
                Navigator.pushReplacement(
                  context,
                  MaterialPageRoute(builder:
                  (context) => const HomePts()),
                );
              } else {
                ScaffoldMessenger.of(context).sho
                wSnackBar(
                  const SnackBar(content:
                  Text('Password salah')),
                );
              }
            }
          }
        }
      }
    }
  }
}

```

```

    }
    } else {
        ScaffoldMessenger.of(context).show
SnackBar(
    const SnackBar(content:
Text('Username tidak ditemukan')),
    );
    }
    }
    } catch (e) {
        ScaffoldMessenger.of(context).showSn
ackBar(
    SnackBar(content: Text('Error: $e')),
    );
    }
    }
}

```

```

@override
Widget build(BuildContext context) {
    return Scaffold(
        backgroundColor: Colors.white,
        body: SingleChildScrollView(
            child: Column(
                children: [
                    Container(
                        width: 500,
                        height: 800,
                        clipBehavior: Clip.antiAlias,
                        decoration: const
BoxDecoration(color: Colors.white),
                        child: Stack(
                            children: [
                                Positioned(
                                    left: -139,
                                    top: -156,
                                    child: Container(
                                        width: 600,
                                        height: 440,
                                        decoration: const
ShapeDecoration(
                                            color:
Color(0xFF315A8A),
                                            shape: OvalBorder(),
                                            shadows: [
                                                BoxShadow(
                                                    color:
Color(0x3F000000),
                                                    blurRadius: 4,
                                                    offset: Offset(0, 4),
                                                    spreadRadius: 0,
                                                )
                                            ],
                                        ),
                                    ),
                                ),
                            ],
                        ),
                    ),
                ],
            ),
        ),
    );
}

```

```

        top: -450,
        bottom: 80,
        child: Transform.scale(
            scale: 0.6,
            child:
Image.asset('assets/images/appbar/dtracsi.
png'),
        ),
    ),
    ///////////////
    Positioned(
        left: 120,
        right: 100,
        top: 190,
        child: textView(
            "Digital Tracking
Disposisi",
            15,
            Colors.white,
            FontWeight.bold,
            TextAlign.start,
            const EdgeInsets.all(0)),
        ),
    ///////////////
    /// Mulai
    Positioned(
        left: 50,
        top: 325,
        child: textView(
            "Selamat Datang",
            18,
            const
Color(0xFF315A8A),
            FontWeight.bold,
            TextAlign.start,
            const EdgeInsets.all(0)),
        ),
    ///////////////
    Positioned(
        left: 50,
        top: 350,
        child: textView(
            "di Aplikasi Digital
Tracking Disposisi LLDIKTI II",
            15,
            const
Color(0xFF315A8A),
            FontWeight.w600,
            TextAlign.start,
            const EdgeInsets.all(0)),
        ),
    ///////////////
    Positioned(
        left: 50,
        top: 420,
        child: inputUserController(
            usernameController,

```

```

        const
Icon(Icons.person_2_rounded,
    color:
Color.fromARGB(255, 142, 142, 142),
    size: 20),
    "Username",
    context)),
    ///////////
    inputPasswordController(pas
swordController, passwordVisible,
togglePasswordVisibility,
context),
    ///////////
    Positioned(
        left: 100,
        top: 600,
        child: SizedBox(
            width:
MediaQuery.of(context).size.width - 200,
            height: 60,
            child: Padding(
                padding: const
EdgeInsets.only(top: 10),
                child: ElevatedButton(
                    onPressed: login,
                    style:
ElevatedButton.styleFrom(
                        backgroundColor:
const Color(0xFF315A8A),
                        shape:
RoundedRectangleBorder(
                            borderRadius:
BorderRadius.circular(10),
                        ),
                    ),
                    child: textView(
                        "MASUK",
                        18,
                        Colors.white,
                        FontWeight.bold,
                        TextAlign.start,
                        const
EdgeInsets.all(0)),
                    ),
                    ),
                    ),
                    Positioned(
                        left: 87,
                        top: 700,
                        child: Center(
                            child: Row(
                                mainAxisAlignment:
MainAxisAlignment.center,
                                children: [
                                    textView(
                                        "Belum memiliki
akun?",

```

```

14,
Colors.black,
FontWeight.normal,
TextAlign.center,
const
EdgeInsets.all(0)),
    TextButton(
        onPressed:
navigateToRegister,
        child: textView(
            "Register disini",
            14,
            const
Color(0xFF315A8A),
            FontWeight.bold,
            TextAlign.center,
            const
EdgeInsets.all(0)),
        ),
    ],
    ),
    ],
    ),
    ],
    ),
    );
}
}

```

register.dart

```

import
'package:dtracsi/views/Login/login.dart';
import
'package:dtracsi/widgets/inputview.dart';
import
'package:dtracsi/widgets/textview.dart';
import 'package:flutter/material.dart';
import
'package:cloud_firestore/cloud_firestore.d
art';

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

    @override
    State<Register> createState() =>
    _RegisterState();
}

class _RegisterState extends
State<Register> {
    final TextEditingController
emailController =
TextEditingController();

```

```

    final TextEditingController
usernameController =
TextEditingController();
    final TextEditingController
passwordController =
TextEditingController();
    final TextEditingController ptsController
= TextEditingController();
    bool passwordVisible = false;

    Future<void> registerPTS() async {
    final FirebaseFirestore firestore =
FirebaseFirestore.instance;

    String email =
emailController.text.trim();
    String username =
usernameController.text.trim();
    String password =
passwordController.text.trim();
    String asalPT = ptsController.text.trim();

    // Validasi dasar
    if (email.isEmpty || username.isEmpty ||
password.isEmpty || asalPT.isEmpty) {
    ScaffoldMessenger.of(context).showSn
ackBar(
    const SnackBar(content: Text('Semua
field harus diisi')),
    );
    return;
    }

    try {
    // Cek apakah email sudah terdaftar
    var emailCheck = await
firestore.collection('pts').where('email',
isEqualTo: email).get();
    if (emailCheck.docs.isNotEmpty) {
    ScaffoldMessenger.of(context).showS
nackBar(
    const SnackBar(content: Text('Email
sudah terdaftar')),
    );
    return;
    }

    // Tambahkan data ke Firestore
    await firestore.collection('pts').add({
    'email': email,
    'username': username,
    'password': password, // Ingat: ini
tidak aman untuk produksi
    'asalPT': asalPT,
    });

    ScaffoldMessenger.of(context).showSn
ackBar(

```

```

    const SnackBar(content:
Text('Registrasi berhasil')),
    );

    // Bersihkan form dan navigasi
    emailController.clear();
    usernameController.clear();
    passwordController.clear();
    ptsController.clear();
    navigateToLogin();
    } catch (e) {
    ScaffoldMessenger.of(context).showSn
ackBar(
    SnackBar(content: Text('Error: $e')),
    );
    }
    }

    void togglePasswordVisibility() {
    setState(() {
    passwordVisible = !passwordVisible;
    });
    }

    void navigateToLogin() {
    Navigator.push(
    context,
    MaterialPageRoute(builder: (context)
=> const Login()),
    );
    }

    @override
    void dispose() {
    emailController.dispose();
    usernameController.dispose();
    passwordController.dispose();
    ptsController.dispose();
    super.dispose();
    }

    @override
    Widget build(BuildContext context) {
    return Scaffold(
    backgroundColor: Colors.white,
    body: SingleChildScrollView(
    child: Column(
    children: [
    Container(
    width: 500,
    height: 800,
    clipBehavior: Clip.antiAlias,
    decoration: const
BoxDecoration(color: Colors.white),
    child: Stack(
    children: [
    Positioned(
    left: -50,
    top: -156,

```

```

        child: Container(
          width: 600,
          height: 440,
          decoration: const
ShapeDecoration(
  color:
Color(0xFF315A8A),
  shape: OvalBorder(),
  shadows: [
    BoxShadow(
      color:
Color(0x3F000000),
      blurRadius: 4,
      offset: Offset(0, 4),
      spreadRadius: 0,
    )
  ],
),
),
//////////
Positioned(
  left: 30,
  right: 30,
  top: -450,
  bottom: 80,
  child: Transform.scale(
    scale: 0.6,
    child:
Image.asset('assets/images/appbar/dtracsi.
png'),
),
),
//////////
Positioned(
  left: 120,
  right: 100,
  top: 190,
  child: textView(
    "Digital Tracking
Disposisi",
    15,
    Colors.white,
    FontWeight.bold,
    TextAlign.start,
    const EdgeInsets.all(0)),
),
//////////
/// Mulai
Positioned(
  left: 50,
  top: 310,
  child: textView(
    "Register Akun
DTRACSI",
    18,
    const
Color(0xFF315A8A),
    FontWeight.bold,

```

```

    TextAlign.start,
    const EdgeInsets.all(0)),
),
//////////
Positioned(
  left: 50,
  top: 350,
  child: inputUserController(
    emailController,
    const
Icon(Icons.email_rounded,
  color:
Color.fromARGB(255, 142, 142, 142),
  size: 20),
  "Email",
  context)),
//////////
Positioned(
  left: 50,
  top: 420,
  child: inputUserController(
    usernameController,
    const
Icon(Icons.person_2_rounded,
  color:
Color.fromARGB(255, 142, 142, 142),
  size: 20),
  "Username",
  context)),
//////////
inputPasswordController(pas
swordController, passwordVisible,
togglePasswordVisibility,
context),
//////////
Positioned(
  left: 50,
  top: 563,
  child: inputUserController(
    ptsController,
    const
Icon(Icons.school_rounded,
  color:
Color.fromARGB(255, 142, 142, 142),
  size: 20),
  "Asal Perguruan
Tinggi",
  context)),
//////////
Positioned(
  left: 100,
  top: 657,
  child: SizedBox(
    width:
MediaQuery.of(context).size.width - 200,
    height: 60,
    child: Padding(

```

```

padding: const
EdgeInsets.only(top: 10),
child: ElevatedButton(
  onPressed: registerPTS,
// Ubah ini
  style:
ElevatedButton.styleFrom(
  backgroundColor:
const Color(0xFF315A8A),
  shape:
RoundedRectangleBorder(
  borderRadius:
BorderRadius.circular(10),
),
),
child: textView(
  "REGISTER",
  18,
  Colors.white,
  FontWeight.bold,
  TextAlign.start,
const
EdgeInsets.all(0)),
),
),
),
Positioned(
  left: 100,
  top: 740,
  child: Center(
    child: Row(
      mainAxisAlignment:
MainAxisAlignment.center,
      children: [
        textView(
          "Sudah punya
akun?",
          14,
          Colors.black,
          FontWeight.normal,
          TextAlign.center,
const
EdgeInsets.all(0)),
        TextButton(
          onPressed:
navigateToLogin,
          child: textView(
            "Masuk disini",
            14,
            const
Color(0xFF315A8A),
            FontWeight.bold,
            TextAlign.center,
const
EdgeInsets.all(0)),
          ),
],

```

```

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

```

home.dart

```

import
'package:dtracsi/views/AdminPage/dashb
oardpage.dart';
import
'package:dtracsi/views/AdminPage/pengat
uranpage.dart';
import
'package:dtracsi/views/AdminPage/suratp
age.dart';
import
'package:dtracsi/views/AdminPage/tracki
ngpage.dart';
import
'package:dtracsi/views/Scanner/scanqr.dar
t';
import 'package:flutter/material.dart';
import
'package:google_fonts/google_fonts.dart';

```

```

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

```

```

  @override
  State<Home> createState() =>
  _HomeState();
}

```

```

class _HomeState extends State<Home> {
  int currentTab = 0;
  final List<Widget> screens = [
    const Dashboard(),
    const ManSurat(),
    const Tracking(),
    const Pengaturan()
  ];

```

```

  final PageStorageBucket bucket =
  PageStorageBucket();
  Widget currentScreen = const
  Dashboard();

```

```

  @override
  Widget build(BuildContext context) {
    return Scaffold(

```



```

class _HomeUserState extends
State<HomeUser> {
  int currentTab = 0;
  final List<Widget> screens = [const
DashboardUser(), const SuratUser()];

  final PageStorageBucket bucket =
PageStorageBucket();
  Widget currentScreen = const
DashboardUser();

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      body: PageStorage(bucket: bucket,
child: currentScreen),
      ///////////////
      floatingActionButton: SizedBox(
        height: 70,
        width: 70,
        child: FloatingActionButton(
          onPressed: () {
            Navigator.push(
              context,
              MaterialPageRoute(builder:
(context) => const Scan()),
            );
          },
          backgroundColor: const
Color(0xFF315A8A),
          shape: const CircleBorder(),
          child: const Icon(
            Icons.qr_code_scanner_rounded,
            color: Colors.white,
            size: 38.0,
          ),
        ),
      ),
      ///////////////
      floatingActionButtonLocation:
FloatingActionButtonLocation.centerDoc
ked,
      bottomNavigationBar:
BottomAppBar(
        shape: const
CircularNotchedRectangle(),
        notchMargin: 10,
        color: Colors.white,
        child: SizedBox(
          height: 50,
          child: Row(
            mainAxisAlignment:
MainAxisAlignment.spaceBetween,
            children: <Widget>[
              Row(
                crossAxisAlignment:
CrossAxisAlignment.start,
                children: [

```

```

const SizedBox(width: 70),
MaterialButton(
  minWidth: 40,
  onPressed: () {
    setState(() {
      currentScreen = const
DashboardUser();
      currentTab = 0;
    });
  },
  child: Column(
    mainAxisAlignment:
MainAxisAlignment.spaceEvenly,
    children: [
      Icon(
        Icons.home_rounded,
        size: 30.0,
        color: currentTab == 0
? const
Color(0xFF315A8A)
: Colors.grey[500],
      ),
      Text(
        "Home",
        style: TextStyle(
          color: currentTab == 0
? const
Color(0xFF315A8A)
: Colors.grey[500],
          fontFamily:
GoogleFonts.poppins().fontFamily,
          fontWeight:
FontWeight.bold),
      ),
    ],
  ),
),
],
),
),
Row(
  crossAxisAlignment:
CrossAxisAlignment.start,
  children: [
    MaterialButton(
      minWidth: 40,
      onPressed: () {
        setState(() {
          currentScreen = const
SuratUser();
          currentTab = 1;
        });
      },
      child: Column(
        mainAxisAlignment:
MainAxisAlignment.spaceEvenly,
        children: [
          Icon(
            Icons.email_rounded,

```

```

        size: 30.0,
        color: currentTab == 1
            ? const
Color(0xFF315A8A)
            : Colors.grey[500],
    ),
    Text(
        "Surat",
        style: TextStyle(
            color: currentTab == 1
                ? const
Color(0xFF315A8A)
                : Colors.grey[500],
            fontFamily:
GoogleFonts.poppins().fontFamily,
            fontWeight:
FontWeight.bold),
    ),
    ],
    ),
    ),
    const SizedBox(width: 70),
    ],
    ),
    ],
    ),
    ),
    );
}
}

```

dashboardpage.dart

```

import
'package:cloud_firestore/cloud_firestore.d
art';
import
'package:dtracsi/utills/auth_service.dart';
import
'package:dtracsi/views/Login/login.dart';
import
'package:dtracsi/widgets/dashboardview.d
art';
import
'package:dtracsi/widgets/textview.dart';
import 'package:flutter/material.dart';

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

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

```

```

class _DashboardState extends
State<Dashboard> {
  final AuthService _authService =
AuthService();

  Future<Map<String, int>> getCounts()
async {
    final firestore =
FirebaseFirestore.instance;

    final snapshot = await
firestore.collection('disposisi').get();
    final docs = snapshot.docs;

    Map<String, int> counts = {
      'diterima': 0,
      'disetujui': 0,
      'didistribusi': 0,
      'diproses': 0,
      'selesai': 0,
    };

    for (var doc in docs) {
      final status = doc.data()['status'] as
String?;
      if (status != null &&
counts.containsKey(status)) {
        counts[status] = counts[status]! + 1;
      }
    }

    return counts;
  }

  void logout() async {
    await _authService.logout();
    Navigator.pushAndRemoveUntil(
      context,
      MaterialPageRoute(builder: (context)
=> const Login()),
      (Route<dynamic> route) => false,
    );
  }

  void confirmLogout() {
    showDialog(
      context: context,
      builder: (BuildContext context) {
        return AlertDialog(
          title: const Text("Konfirmasi
Logout"),
          content: const Text("Apakah Anda
yakini ingin logout dari akun ini?"),
          actions: [
            TextButton(
              onPressed: () {
                Navigator.of(context).pop();
              },
            ),
          ],
        );
      },
    );
  }
}

```

```

        child: const Text("Batal"),
      ),
      TextButton(
        onPressed: () {
          logout();
        },
        child: const Text("Ya, Logout"),
      ),
    ],
  );
},
);
}

@override
Widget build(BuildContext context) {
  return Scaffold(
    backgroundColor: Colors.white,
    body: FutureBuilder<Map<String,
int>>>(
      future: getCounts(),
      builder: (context, snapshot) {
        if (snapshot.connectionState ==
ConnectionState.waiting) {
          return const Center(child:
CircularProgressIndicator());
        } else if (snapshot.hasError) {
          return Center(child: Text('Error:
${snapshot.error}'));
        } else if (!snapshot.hasData ||
snapshot.data!.isEmpty) {
          return const Center(child:
Text('No data available'));
        } else {
          final counts = snapshot.data!;
          return SingleChildScrollView(
            child: Column(
              children: [
                Container(
                  width: 500,
                  height: 900,
                  clipBehavior: Clip.antiAlias,
                  decoration: const
BoxDecoration(color: Colors.white),
                  child: Stack(
                    children: [
                      Positioned(
                        left: -20,
                        top: -109,
                        child: Container(
                          width: 470,
                          height: 400,
                          decoration: const
ShapeDecoration(
                            color:
Color(0xFF315A8A),
                            shape: OvalBorder(),
                            shadows: [

```

```

BoxShadow(
  color:
Color(0x3F000000),
  blurRadius: 4,
  offset: Offset(0, 4),
  spreadRadius: 0,
),
],
),
),
),
Row(
  children: [
    Container(
      padding:
const
EdgeInsets.only(top: 50.0, left: 30.0),
      child: textView(
        "Selamat datang,
Admin",
        16,
        Colors.white,
        FontWeight.bold,
        TextAlign.start,
        const
EdgeInsets.all(0)),
      ),
    Container(
      padding:
const
EdgeInsets.only(top: 50.0, left: 145.0),
      child: IconButton(
        icon: const
Icon(Icons.logout_rounded),
        iconSize: 25,
        color: Colors.white,
        onPressed:
confirmLogout),
      ),
    ],
  ),
  Positioned(
    left: 30,
    top: 130,
    child: textView(
      "Aplikasi Digital
Tracking Disposisi \nLembaga Layanan
Pendidikan Tinggi Wilayah II",
      15,
      Colors.white,
      FontWeight.w600,
      TextAlign.start,
      const
EdgeInsets.all(0)),
    ),
  Positioned(
    left: 160,
    top: 230,

```



```

        "Pegawai LLDIKTI II", () {
        Navigator.push(
            context,
            MaterialPageRoute(
                builder: (context) =>
const UserPage()));
        }),
        const SizedBox(width: 25),
        pengaturanUser(
            const Icon(
                Icons.school_rounded,
                size: 70,
                color:
Color.fromARGB(255, 18, 52, 92),
            ),
            "Pengguna PTS", () {
            Navigator.push(context,
                MaterialPageRoute(builder:
(context) => const PtsPage()));
            }),
            ],
        ));
    }
}

```

ptspage.dart

```

import
'package:cloud_firestore/cloud_firestore.d
art';
import
'package:dtracsi/views/AdminUse/edituse
r.dart';
import
'package:dtracsi/widgets/appbarview.dart';
import 'package:flutter/material.dart';
import
'package:google_fonts/google_fonts.dart';

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

  @override
  State<PtsPage> createState() =>
_PtsPageState();
}

class _PtsPageState extends
State<PtsPage> {
  final FirebaseFirestore firestore =
FirebaseFirestore.instance;

  void editUser(DocumentSnapshot
ptsDoc) {
    Navigator.push(
      context,

```

```

      MaterialPageRoute(builder: (context)
=> EditUser(ptsDoc)),
    );
  }

  void deleteUser(String ptsId) {
    firestore.collection('pts').doc(ptsId).dele
te();
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: appBarCustom(
        "Akun Pengguna PTS",
      ),
      backgroundColor: Colors.white,
      body: StreamBuilder(
        stream:
firestore.collection('pts').snapshots(),
        builder: (context,
AsyncSnapshot<QuerySnapshot>
snapshot) {
          if (!snapshot.hasData) {
            return const Center(child:
CircularProgressIndicator());
          }

          return ListView(
            padding: const
EdgeInsets.only(left: 16.0),
            children:
snapshot.data!.docs.map((ptsDoc) {
              var ptsData = ptsDoc.data() as
Map<String, dynamic>;
              return ListTile(
                contentPadding: const
EdgeInsets.only(left: 16.0, right: 16.0),
                title: Text(ptsData['username'],
                  style: TextStyle(
                    fontWeight:
FontWeight.bold,
                    fontFamily:
GoogleFonts.poppins().fontFamily,
                  )),
                subtitle: Column(
                  crossAxisAlignment:
CrossAxisAlignment.start,
                  children: [
                    Text('Email:
${ptsData['email']}'),
                    Text('Asal PTS:
${ptsData['asalPT']}'),

```

```

        fontFamily:
GoogleFonts.poppins().fontFamily,
    )),
    ],
    ),
    trailing: Row(
        mainAxisAlignment:
MainAxisSize.min,
        children: [
            IconButton(
                onPressed: () =>
editUser(ptsDoc),
                icon: const Icon(
                    Icons.edit_note_rounded,
                    color: Colors.black,
                )),
            IconButton(
                onPressed: () =>
deleteUser(ptsDoc.id),
                icon: const Icon(
                    Icons.delete_rounded,
                    color: Colors.redAccent,
                )),
        ],
    ),
    );
    }).toList(),
    );
    },
    ),
    );
    }
    }
}

```

suratpage.dart

```

import
'package:cloud_firestore/cloud_firestore.d
art';
import
'package:dtracsi/utills/function.dart';
import
'package:dtracsi/views/AdminUse/cetaksu
rat.dart';
import
'package:dtracsi/views/AdminUse/editsur
at.dart';
import
'package:dtracsi/views/AdminUse/tambah
surat.dart';
import
'package:dtracsi/widgets/appbarview.dart';
import
'package:dtracsi/widgets/textview.dart';
import 'package:flutter/material.dart';
import
'package:google_fonts/google_fonts.dart';

```

```

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

    @override
    State<ManSurat> createState() =>
    _ManSuratState();
}

class _ManSuratState extends
State<ManSurat> {
    final FirebaseFirestore firestore =
FirebaseFirestore.instance;

    void deleteSurat(String documentId)
async {
        showDialog(
            context: context,
            builder: (BuildContext context) {
                return AlertDialog(
                    backgroundColor: const
Color(0xFF315A8A),
                    title: textview(
                        "Hapus Surat",
                        18,
                        Colors.white,
                        FontWeight.bold,
                        TextAlign.start,
                        EdgeInsets.zero,
                    ),
                    content: textview(
                        "Anda yakin ingin menghapus
surat ini?",
                        16,
                        Colors.white,
                        FontWeight.normal,
                        TextAlign.start,
                        EdgeInsets.zero,
                    ),
                    actions: <Widget>[
                        TextButton(
                            child: textview(
                                "Batal",
                                16,
                                Colors.white,
                                FontWeight.normal,
                                TextAlign.start,
                                EdgeInsets.zero,
                            ),
                            onPressed: () {
                                Navigator.of(context).pop();
                            },
                        ),
                        TextButton(
                            child: textview(
                                "Hapus",
                                16,
                                Colors.white,

```



```

import
'package:google_fonts/google_fonts.dart';

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

  @override
  State<UserPage> createState() =>
  _UserPageState();
}

class _UserPageState extends
State<UserPage> {
  final FirebaseFirestore firestore =
  FirebaseFirestore.instance;

  void editUser(DocumentSnapshot
  userDoc) {
    Navigator.push(
      context,
      MaterialPageRoute(builder: (context)
=> EditUser(userDoc)),
    );
  }

  void deleteUser(String userId) {
    firestore.collection('users').doc(userId).
    delete();
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: appBarSurat(
        "Akun Pegawai LLDIKTI II",
        () => navigationPush(context, const
TambahUser()),
      ),
      backgroundColor: Colors.white,
      body: StreamBuilder(
        stream:
        firestore.collection('users').snapshots(),
        builder: (context,
        AsyncSnapshot<QuerySnapshot>
        snapshot) {
          if (!snapshot.hasData) {
            return const Center(child:
            CircularProgressIndicator());
          }

          return ListView(
            padding: const
            EdgeInsets.only(left: 16.0),
            children:
            snapshot.data!.docs.map((userDoc) {
              var userData = userDoc.data() as
              Map<String, dynamic>;
              return ListTile(

```

```

            contentPadding: const
            EdgeInsets.only(left: 16.0, right: 16.0),
            title: Text(userData['username'],
            style: TextStyle(
              fontWeight:
              FontWeight.bold,
              fontFamily:
              GoogleFonts.poppins().fontFamily,
            )),
            subtitle: Wrap(
              children: [
                Container(
                  padding: const
                  EdgeInsets.fromLTRB(4.0, 2.0, 4.0, 2.0),
                  decoration:
                  BoxDecoration(
                    color: const
                    Color.fromARGB(255, 100, 156, 220),
                    borderRadius:
                    BorderRadius.circular(5.0)),
                    child: Text(userData['role'],
                    style: TextStyle(
                      color: const
                      Color.fromARGB(255, 255, 255, 255),
                      fontWeight:
                      FontWeight.bold,
                      fontFamily:
                      GoogleFonts.poppins().fontFamily,
                    )),
                  ],
                ),
                trailing: Row(
                  mainAxisAlignment:
                  MainAxisAlignment.min,
                  children: [
                    IconButton(
                      onPressed: () =>
                      editUser(userDoc),
                      icon: const Icon(
                        Icons.edit_note_rounded,
                        color: Colors.black,
                      )),
                    IconButton(
                      onPressed: () =>
                      deleteUser(userDoc.id),
                      icon: const Icon(
                        Icons.delete_rounded,
                        color: Colors.redAccent,
                      )),
                  ],
                ),
              ]).toList(),
            );
          },
        ),
      );
    }
  }
}

```

```
import
'package:cloud_firestore/cloud_firestore.dart';
import
'package:dtracsi/views/Login/login.dart';
import
'package:dtracsi/widgets/dashboardview.dart';
import
'package:dtracsi/widgets/textview.dart';
import
'package:firebase_auth/firebase_auth.dart';
;
import 'package:flutter/material.dart';

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

  @override
  State<DashboardUser> createState() =>
  _DashboardUserState();
}

class _DashboardUserState extends
State<DashboardUser> {
  String welcomeText = "Selamat datang,
User";

  @override
  void initState() {
    super.initState();
    fetchUserData(); // Panggil metode
    untuk mengambil data pengguna
  }

  void fetchUserData() async {
    // Dapatkan pengguna yang sedang
    login
    User? user =
    FirebaseAuth.instance.currentUser;

    if (user != null) {
      // Dapatkan data pengguna dari
      Firestore berdasarkan UID
      DocumentSnapshot userSnapshot =
      await FirebaseFirestore.instance
      .collection('users')
      .doc(user.uid)
      .get();

      // Ambil nilai tim_kerja dari data
      pengguna
      String? timKerja =
      userSnapshot['timkerja'];
    }
  }
}
```

```

        if (timKerja != null) {
            // Update teks selamat datang
            berdasarkan tim_kerja
            setState(() {
                welcomeText = "Selamat datang,
$timKerja";
            });
        }
    }
}

@override
Widget build(BuildContext context) {
    return Scaffold(
        backgroundColor: Colors.white,
        body: SingleChildScrollView(
            child: Column(
                children: [
                    Container(
                        width: 500,
                        height: 900,
                        clipBehavior: Clip.antiAlias,
                        decoration: const
BoxDecoration(color: Colors.white),
                        child: Stack(
                            children: [
                                Positioned(
                                    left: -20,
                                    top: -109,
                                    child: Container(
                                        width: 470,
                                        height: 400,
                                        decoration: const
ShapeDecoration(
                                            color:
Color(0xFF315A8A),
                                            shape: OvalBorder(),
                                            shadows: [
                                                BoxShadow(
                                                    color:
Color(0x3F000000),
                                                    blurRadius: 4,
                                                    offset: Offset(0, 4),
                                                    spreadRadius: 0,
                                                )
                                            ],
                                        ),
                                    ),
                                ),
                                ),
                                ),
                                ),
                                ////////////
Row(
                children: [
                    Container(
                        padding: const
EdgeInsets.only(top: 50.0, left: 30.0),
                        child: textView(
                            welcomeText,
                            16,

```

```

Colors.white,
FontWeight.bold,
TextAlign.start,
const EdgeInsets.all(0)),
),
Container(
padding: const
EdgeInsets.only(top: 50.0, left: 145.0),
child: IconButton(
icon: const
Icon(Icons.logout_rounded),
iconSize: 25,
color: Colors.white,
onPressed: () {
showDialog(
context: context,
builder: (BuildContext
context) {
return AlertDialog(
title: const
Text("Konfirmasi"),
content: const Text(
"Apakah Anda
yakini ingin keluar?"),
actions: [
IconButton(
child: const
Text("Batal"),
onPressed: () {
Navigator.of(con
text).pop();
}),
IconButton(
child: const
Text("Ya"),
onPressed: () {
FirebaseAuth.ins
tance.signOut();
Navigator.push(
context,
MaterialPageR
oute(
builder:
(context) =>
const
Login()),
);
},
),
],
);
},
);
},
),
],

```

```

),
//////////
Positioned(
left: 30,
top: 130,
child: textView(
"Aplikasi Digital Tracking
Disposisi \nLembaga Layanan Pendidikan
Tinggi Wilayah II",
15,
Colors.white,
FontWeight.w600,
TextAlign.start,
const EdgeInsets.all(0)),
),
//////////
Positioned(
left: 160,
top: 230,
child: textView(
"DASHBOARD",
19,
Colors.white,
FontWeight.bold,
TextAlign.start,
const EdgeInsets.all(0)),
),
//////////
Positioned(
left: 35,
top: 315,
child: textView(
"Aktivitas Bulan ini :",
17,
const
Color(0xFF315A8A),
FontWeight.bold,
TextAlign.start,
const EdgeInsets.all(0)),
),
//////////
Positioned(
left: 35,
top: 350,
child: Row(
children: [
dashboardSetujui(1),
const SizedBox(width:
25),
dashboardDistribusi(0),
],
)),
//////////
Positioned(
left: 35,
top: 500,
child: Row(
children: [

```

```

                dashboardDiproses(0),
                const SizedBox(width:
25),
                dashboardSelesai(0),
            ],
        )),
    ],
),
),
],
),
),
);
}
}

```

suratuser.dart

```

import
'package:cloud_firestore/cloud_firestore.d
art';
import
'package:dtracsi/views/AdminUse/editsur
at.dart';
import
'package:dtracsi/views/Surat/detailsurat.d
art';
import
'package:dtracsi/widgets/appbarview.dart';
import
'package:dtracsi/widgets/textview.dart';
import 'package:flutter/material.dart';
import
'package:google_fonts/google_fonts.dart';

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

  @override
  State<SuratUser> createState() =>
  _SuratUserState();
}

class _SuratUserState extends
State<SuratUser> {
  final FirebaseFirestore firestore =
  FirebaseFirestore.instance;

  void deleteSurat(String documentId)
  async {
    showDialog(
      context: context,
      builder: (BuildContext context) {
        return AlertDialog(
          backgroundColor: const
Color(0xFF315A8A),
          title: textView(

```

```

        "Hapus Surat",
        18,
        Colors.white,
        FontWeight.bold,
        TextAlign.start,
        EdgeInsets.zero,
      ),
      content: textView(
        "Anda yakin ingin menghapus
surat ini?",
        16,
        Colors.white,
        FontWeight.normal,
        TextAlign.start,
        EdgeInsets.zero,
      ),
      actions: <Widget>[
        TextButton(
          child: textView(
            "Batal",
            16,
            Colors.white,
            FontWeight.normal,
            TextAlign.start,
            EdgeInsets.zero,
          ),
          onPressed: () {
            Navigator.of(context).pop();
          },
        ),
        TextButton(
          child: textView(
            "Hapus",
            16,
            Colors.white,
            FontWeight.bold,
            TextAlign.start,
            EdgeInsets.zero,
          ),
          onPressed: () async {
            try {
              await
firestore.collection('surat').doc(documentI
d).delete();
              Navigator.of(context).pop();
              ScaffoldMessenger.of(context)
.showSnackBar(
                const SnackBar(content:
Text('Surat berhasil dihapus')),
              );
            } catch (e) {
              print("Error deleting
document: $e");
              Navigator.of(context).pop();
              ScaffoldMessenger.of(context)
.showSnackBar(
                const SnackBar(content:
Text('Gagal menghapus surat')),

```

```

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

void editSurat(Map<String, dynamic>
suratData, String documentId) {
  Navigator.push(
    context,
    MaterialPageRoute(
      builder: (context) =>
        EditSurat(documentId:
documentId, suratData: suratData),
    ),
  );
}

@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: appBarCustom("Surat
Diproses"),
    backgroundColor: Colors.white,
    body: StreamBuilder(
      stream:
        firestore.collection('surat').orderB
y('nomor_agenda').snapshots(),
      builder: (context,
AsyncSnapshot<QuerySnapshot>
snapshot) {
        if (!snapshot.hasData) {
          return const Center(child:
CircularProgressIndicator());
        }

        return ListView(
          children:
snapshot.data!.docs.map((doc) {
            var data = doc.data() as
Map<String, dynamic>;
            return ListTile(
              contentPadding: const
EdgeInsets.only(left: 25.0, right: 10.0),
              title: Text(
                data['asal_surat'],
                style: TextStyle(
                  fontWeight: FontWeight.bold,
                  fontFamily:
GoogleFonts.poppins().fontFamily,
                ),
              ),
              subtitle: Text(
                data['perihal'],

```

```

                style: TextStyle(
                  fontWeight: FontWeight.bold,
                  fontFamily:
GoogleFonts.poppins().fontFamily,
                ),
              ),
              onTap: () {
                Navigator.push(
                  context,
                  MaterialPageRoute(
                    builder: (context) =>
DetailSurat(
                      suratData: data,
                    ),
                  ),
                );
              },
            ),
          ).toList(),
        );
      },
    ),
  );
}
}

```

scanqr.dart

```

import 'dart:io';
import
'package:dtracsi/utills/function.dart';
import
'package:dtracsi/views/AdminPage/dashb
oardpage.dart';
import
'package:dtracsi/views/Surat/detailsurat.d
art';
import
'package:dtracsi/widgets/appbarview.dart';
import 'package:flutter/material.dart';
import
'package:qr_code_scanner/qr_code_scann
er.dart';
import
'package:cloud_firestore/cloud_firestore.d
art';

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

  @override
  State<Scan> createState() =>
_ScanState();
}

class _ScanState extends State<Scan> {

```

```

final GlobalKey qrKey =
GlobalKey(debugLabel: 'QR');
QRViewController? controller;
bool isScanCompleted = false;

@override
void reassemble() {
  super.reassemble();
  if (Platform.isAndroid) {
    controller?.pauseCamera();
  } else if (Platform.isIOS) {
    controller?.resumeCamera();
  }
}

void
_onQRViewCreated(QRViewController
controller) {
  this.controller = controller;
  controller.scannedDataStream.listen((scanData) {
    if (!isScanCompleted) {
      isScanCompleted = true;
      controller.pauseCamera();
      _handleScanResult(scanData);
    }
  });
}

void _handleScanResult(Barcode
scanData) async {
  String? qrCodeData = scanData.code;

  if (qrCodeData != null) {

    // Ekstrak nomor agenda dari hasil
    scan
    String? nomorAgendaString =
    _extractNomorAgenda(qrCodeData);

    if (nomorAgendaString != null) {
      int? nomorAgenda =
      int.tryParse(nomorAgendaString);
      if (nomorAgenda != null) {
        // Cari data surat di Firestore
        try {
          QuerySnapshot querySnapshot =
          await FirebaseFirestore.instance
            .collection('surat')
            .where('nomor_agenda',
            isEqualTo: nomorAgenda)
            .limit(1)
            .get();

          if
          (querySnapshot.docs.isNotEmpty) {
            Map<String, dynamic> suratData
            =

```

```

            querySnapshot.docs[0].data()
            as Map<String, dynamic>;
            print("Data surat ditemukan:
            $suratData");

            Navigator.push(
              context,
              MaterialPageRoute(
                builder: (context) =>
                DetailSurat(suratData: suratData),
              ),
            ).then((_) {
              controller?.resumeCamera();
              isScanCompleted = false;
            });
          } else {
            // Jika data tidak ditemukan
            print("Data surat tidak ditemukan
            di Firestore");
            ScaffoldMessenger.of(context).showSnackBar(
              const SnackBar(content:
              Text('Data surat tidak ditemukan'),
              );
              controller?.resumeCamera();
              isScanCompleted = false;
            }
          } catch (e) {
            print("Error saat melakukan query
            Firestore: $e");
            ScaffoldMessenger.of(context).showSnackBar(
              const SnackBar(
                content: Text('Terjadi
                kesalahan saat mencari data surat'),
              );
              controller?.resumeCamera();
              isScanCompleted = false;
            }
          } else {
            // Jika konversi ke int gagal
            ScaffoldMessenger.of(context).showSnackBar(
              const SnackBar(content:
              Text('Nomor agenda tidak valid'),
              );
              controller?.resumeCamera();
              isScanCompleted = false;
            }
          } else {
            // Jika nomor agenda tidak
            ditemukan dalam hasil scan
            ScaffoldMessenger.of(context).showSnackBar(
              const SnackBar(
                content: Text('Nomor agenda
                tidak ditemukan dalam QR code'),
              );
            );

```

```

        controller?.resumeCamera();
        isScanCompleted = false;
    }
    } else {
        // Jika QR code tidak valid
        ScaffoldMessenger.of(context).showS
nackBar(
        const SnackBar(content: Text('QR
code tidak valid')),
        );
        controller?.resumeCamera();
        isScanCompleted = false;
    }
}

```

```

String? _extractNomorAgenda(String
qrCodeData) {
    // Ekstrak nomor agenda dari string
    hasil scan QR code
    // Asumsikan format data QR code
    seperti: "Nomor Agenda: 1110\nTanggal
Terima: ...\nPerihal: ..."
    RegExp regExp = RegExp(r'Nomor
Agenda:s*(\d+)', caseSensitive: false);
    Match? match =
regExp.firstMatch(qrCodeData);
    return match?.group(1);
}

```

```

@override
void dispose() {
    controller?.dispose();
    super.dispose();
}

```

```

@override
Widget build(BuildContext context) {
    return Scaffold(
        appBar: appBarCustom2(
            "Scan Surat",
            () => navigationPop(context, const
Dashboard()),
            const EdgeInsets.only(right: 150),
        ),
        body: Column(
            children: <Widget>[
                Expanded(
                    flex: 5,
                    child: QRView(
                        key: qrKey,
                        onQRViewCreated:
_onQRViewCreated,
                        overlay:
QrScannerOverlayShape(
                            borderColor: Colors.red,
                            borderRadius: 10,
                            borderLength: 30,
                            borderWidth: 10,

```

```

                            cutOutSize: 300,
                        ),
                    ),
                ),
                const Expanded(
                    flex: 1,
                    child: Center(
                        child: Text('Scan QR code yang
ada di lembar disposisi surat'),
                    ),
                ),
            ],
        ),
        backgroundColor: Colors.white,
    );
}
}

```

detailsurat.dart

```

import
'package:cloud_firestore/cloud_firestore.d
art';
import
'package:dtracsi/utills/function.dart';
import
'package:dtracsi/views/AdminPage/tracki
ngpage.dart';
import
'package:dtracsi/views/Surat/updatedispo.
dart';
import
'package:dtracsi/widgets/appbarview.dart';
import
'package:dtracsi/widgets/progressbarview.
dart';
import
'package:dtracsi/widgets/textview.dart';
import 'package:flutter/material.dart';
import
'package:google_fonts/google_fonts.dart';

```

```

class DetailSurat extends StatelessWidget
{
    final Map<String, dynamic> suratData;

```

```

    const DetailSurat({
        super.key,
        required this.suratData,
    });

```

```

@override
Widget build(BuildContext context) {
    return Scaffold(
        backgroundColor: Colors.white,
        appBar: appBarCustom2(
            "Detail Surat",

```

```

        () => navigationPop(context, const
Tracking()),
        const EdgeInsets.only(right: 150)),
body: SingleChildScrollView(
  child: Padding(
    padding: const EdgeInsets.all(25.0),
    child: Column(
      crossAxisAlignment:
CrossAxisAlignment.start,
      children: [
        textView(
          "No. Agenda      :
${suratData['nomor_agenda']}",
          16,
          Colors.black,
          FontWeight.bold,
          TextAlign.start,
          const EdgeInsets.all(0)),
        const SizedBox(height: 10),
        textView(
          "Tanggal Terima   :
${suratData['tanggal_terima']}",
          16,
          Colors.black,
          FontWeight.bold,
          TextAlign.start,
          const EdgeInsets.all(0)),
        const SizedBox(height: 10),
        textView(
          "Perihal          :
${suratData['perihal']}",
          16,
          Colors.black,
          FontWeight.bold,
          TextAlign.start,
          const EdgeInsets.all(0)),
        const SizedBox(height: 10),
        textView(
          "Tanggal Surat     :
${suratData['tanggal_surat']}",
          16,
          Colors.black,
          FontWeight.bold,
          TextAlign.start,
          const EdgeInsets.all(0)),
        const SizedBox(height: 10),
        textView(
          "Nomor Surat       :
${suratData['nomor_surat']}",
          16,
          Colors.black,
          FontWeight.bold,
          TextAlign.start,
          const EdgeInsets.all(0)),
        const SizedBox(height: 10),
        textView(
          "Asal Surat        :
${suratData['asal_surat']}",

```

```

16,
Colors.black,
FontWeight.bold,
TextAlign.start,
const EdgeInsets.all(0)),
const SizedBox(height: 40),
StreamBuilder<DocumentSnapsh
ot>(
  stream:
FirebaseFirestore.instance
.collection('disposisi')
.doc(suratData['nomor_agend
a']).toString())
.snapshots(),
  builder: (context, snapshot) {
    if (snapshot.connectionState
== ConnectionState.waiting) {
      return const Center(child:
CircularProgressIndicator());
    }
    if (!snapshot.hasData ||
!snapshot.data!.exists) {
      return const Center(child:
Text('No data available'));
    }

    Map<String, dynamic> data =
snapshot.data!.data() as
Map<String, dynamic>;
    String status = data['status'] ??
'diterima';

    int currentStep = 0;
    switch (status) {
      case 'disetujui':
        currentStep = 1;
        break;
      case 'didistribusi':
        currentStep = 2;
        break;
      case 'diproses':
        currentStep = 3;
        break;
      case 'selesai':
        currentStep = 4;
        break;
      default:
        currentStep = 0;
    }

    return Column(
      crossAxisAlignment:
CrossAxisAlignment.start,
      children: [
        Container(
          padding: const
EdgeInsets.fromLTRB(4.0, 2.0, 4.0, 2.0),

```

```

        decoration:
BoxDecoration(
    color: const
Color.fromARGB(255, 18, 52, 92),
    borderRadius:
BorderRadius.circular(5.0)),
    child: textView(
        "Progress Surat :",
        17,
        Colors.white,
        FontWeight.w600,
        TextAlign.start,
        const EdgeInsets.all(0)),
    ),
    const SizedBox(height: 30),
    Row(
        mainAxisAlignment:
MainAxisAlignment.spaceEvenly,
        children: [
            buildStepIndicator('Diteri
ma', currentStep >= 0),
            buildStepIndicator('Diset
ujui', currentStep >= 1),
            buildStepIndicator('Distri
busi', currentStep >= 2),
            buildStepIndicator('Dipro
ses', currentStep >= 3),
            buildStepIndicator('Sele
ai', currentStep >= 4),
        ],
    ),
    const SizedBox(height: 20),
    StreamBuilder<QuerySnaps
hot>(
        stream:
FirebaseFirestore.instance
        .collection('disposisi')
        .doc(suratData['nomor_a
genda']).toString())
        .collection('riwayat')
        .orderBy('tanggal_dispo
sisi')
        .snapshots(),
        builder: (context, snapshot)
    {
        if
(snapshot.connectionState ==
ConnectionState.waitin
g) {
            return const Center(
                child:
CircularProgressIndicator());
        }
        if (!snapshot.hasData ||
snapshot.data!.docs.isE
mpty) {
            return const Center(

```

```

                child: Text('Data
Surat Belum di Perbarui'));
        }

        return Column(
            crossAxisAlignment:
CrossAxisAlignment.start,
            children:
snapshot.data!.docs.map((doc) {
                Map<String, dynamic>
historyData =
                doc.data() as
Map<String, dynamic>;
                return Column(
                    crossAxisAlignment:
CrossAxisAlignment.start,
                    children: [
                        textView(
                            "Status:
${historyData['status']}",
                            16,
                            Colors.black,
                            FontWeight.bold,
                            TextAlign.start,
                            const
EdgeInsets.all(0),
                        ),
                        textView(
                            "Tanggal:
${historyData['tanggal_disposisi']}",
                            16,
                            Colors.black,
                            FontWeight.normal
                            ,
                            TextAlign.start,
                            const
EdgeInsets.all(0),
                        ),
                        textView(
                            "Keterangan:
${historyData['disposisi']}",
                            16,
                            Colors.black,
                            FontWeight.normal
                            ,
                            TextAlign.start,
                            const
EdgeInsets.all(0),
                        ),
                        textView(
                            "Disposisi Kepada:
${historyData['assigned_to']}",
                            16,
                            Colors.black,
                            FontWeight.normal
                            ,
                            TextAlign.start,

```

```

const
EdgeInsets.all(0),
),
const
SizedBox(height: 10),
],
);
}).toList(),
);
},
),
const SizedBox(height:
100),
TextButton(
  onPressed: () {
    Navigator.push(
      context,
      MaterialPageRoute(
        builder: (context) =>
UpdateDisposisiSurat(
          suratData: suratData,
        ),
      ),
    );
  },
  style:
TextButton.styleFrom(
  padding: const
EdgeInsets.all(15.0),
  backgroundColor:
Colors.green,
  shape:
RoundedRectangleBorder(
  borderRadius:
BorderRadius.circular(10.0),
),
),
  child: Text(
    'Update Disposisi Surat',
    style: TextStyle(
      color: Colors.white,
      fontFamily:
GoogleFonts.poppins().fontFamily,
      fontWeight:
FontWeight.bold,
    ),
  ),
),
],
);
},
),
],
),
),
),
);
}

```

trackingpts.dart

```
import
'package:cloud_firestore/cloud_firestore.dart';
import
'package:dtracsi/utills/function.dart';
import
'package:dtracsi/views/AdminPage/trackingpage.dart';
import
'package:dtracsi/widgets/appbarview.dart';
import
'package:dtracsi/widgets/progressbarview.dart';
import
'package:dtracsi/widgets/textview.dart';
import 'package:flutter/material.dart';

class TrackingPts extends StatelessWidget {
  final Map<String, dynamic> suratData;
  const TrackingPts({super.key, required this.suratData});

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: appBarCustom2(
        "Proses Surat",
        () => navigationPop(context, const TrackingPts(
          suratData: suratData,
        ))),
      body: SingleChildScrollView(
        child: Padding(
          padding: const EdgeInsets.all(25.0),
          child: Column(
            crossAxisAlignment:
CrossAxisAlignment.start,
            children: [
              textView(
                "No. Agenda :
                ${suratData['nomor_agenda']}",
                16,
                Colors.black,
                FontWeight.bold,
                TextAlign.start,
                const EdgeInsets.all(0)),
              const SizedBox(height: 10),
              textView(
                "Tanggal Terima :
                ${suratData['tanggal_terima']}",
                16,
                Colors.black,
                FontWeight.bold,
                TextAlign.start,
                const EdgeInsets.all(0)),
              const SizedBox(height: 10),
            ],
          ),
        ),
      ),
    );
  }
}
```



```

        buildStepIndicator('Seles
ai', currentStep >= 4),
        ],
        ),
        const SizedBox(height: 20),
        StreamBuilder<QuerySnaps
hot>(
        stream:
        FirebaseFirestore.instance
        .collection('disposisi')
        .doc(suratData['nomor_a
genda']).toString())
        .collection('riwayat')
        .orderBy('tanggal_dispo
sisi')
        .snapshots(),
        builder: (context, snapshot)
        {
            if
            (snapshot.connectionState ==
            ConnectionState.waitin
g) {
                return const Center(
                child:
                CircularProgressIndicator());
            }
            if (!snapshot.hasData ||
            snapshot.data!.docs.isE
mpty) {
                return const Center(
                child: Text('Data
Surat Belum di Perbaruhi'));
            }

            return Column(
            crossAxisAlignment:
            CrossAxisAlignment.start,
            children:
            snapshot.data!.docs.map((doc) {
            Map<String, dynamic>
            historyData =
            doc.data() as
            Map<String, dynamic>;
            return Column(
            crossAxisAlignment:
            CrossAxisAlignment.start,
            children: [
            textView(
            "Status:
${historyData['status']}",
            16,
            Colors.black,
            FontWeight.bold,
            TextAlign.start,
            const
            EdgeInsets.all(0),
            ),
            textView(

```

```

            "Tanggal:
${historyData['tanggal_disposisi']}",
            16,
            Colors.black,
            FontWeight.normal
            ,
            TextAlign.start,
            const
            EdgeInsets.all(0),
            ),
            textView(
            "Keterangan:
${historyData['disposisi']}",
            16,
            Colors.black,
            FontWeight.normal
            ,
            TextAlign.start,
            const
            EdgeInsets.all(0),
            ),
            textView(
            "Disposisi Kepada:
${historyData['assigned_to']}",
            16,
            Colors.black,
            FontWeight.normal
            ,
            TextAlign.start,
            const
            EdgeInsets.all(0),
            ),
            const
            SizedBox(height: 10),
            ],
            );
            }).toList(),
            );
            },
            ],
            );
            },
            ),
            );
            }
        }
    }

```

updatedispo.dart

```

import
'package:cloud_firestore/cloud_firestore.d
art';

```

```

import
'package:dtracsi/widgets/inputview.dart';
import 'package:flutter/material.dart';
import
'package:google_fonts/google_fonts.dart';

class UpdateDisposisiSurat extends
StatefulWidget {
  final Map<String, dynamic> suratData;

  const UpdateDisposisiSurat({
    super.key,
    required this.suratData,
  });

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

class UpdateDisposisiSuratState extends
State<UpdateDisposisiSurat> {
  final _formKey =
GlobalKey<FormState>();
  final TextEditingController
_tanggalController =
TextEditingController();
  final TextEditingController
_disposisiController =
TextEditingController();
  final TextEditingController
_assignedToController =
TextEditingController();
  String _status = 'diterima';

  @override
  void dispose() {
    _tanggalController.dispose();
    _disposisiController.dispose();
    _assignedToController.dispose();
    super.dispose();
  }

  Future<void> _updateDisposisi() async
{
  if (_formKey.currentState!.validate()) {
    DocumentReference docRef =
FirebaseFirestore.instance
.collection('disposisi')
.doc(widget.suratData['nomor_agen
da'].toString());

    await docRef.set({
      'status': _status,
    }, SetOptions(merge: true));

    await
docRef.collection('riwayat').add({

```

```

      'tanggal_disposisi':
_tanggalController.text,
      'status': _status,
      'disposisi': _disposisiController.text,
      'assigned_to':
_assignedToController.text,
    });

    Navigator.pop(context);
  }
}

@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
      centerTitle: true,
      title: Text(
        'Update Disposisi Surat',
        style: TextStyle(
          color: const
Color.fromARGB(255, 18, 52, 92),
          fontFamily:
GoogleFonts.poppins().fontFamily,
          fontWeight: FontWeight.bold,
          fontSize: 16.0,
        ),
      ),
    body: Padding(
      padding: const EdgeInsets.all(16.0),
      child: Form(
        key: _formKey,
        child: Column(
          children: [
            inputController(_tanggalControll
er, 'Tanggal Disposisi', context),
            const SizedBox(height: 18),
            dropdownField(
              _status,
              'Status',
              const [
                DropdownMenuItem(value:
'diterima', child: Text('Diterima')),
                DropdownMenuItem(
                  value: 'disetujui', child:
Text('Disetujui')),
                DropdownMenuItem(
                  value: 'didistribusi', child:
Text('Didistribusi')),
                DropdownMenuItem(value:
'diproses', child: Text('Diproses')),
                DropdownMenuItem(value:
'seiasai', child: Text('Selesai')),
              ],
            (value) {
              setState() {
                _status = value!;

```

```

    });
  },
),
const SizedBox(height: 18),
inputController(_disposisiContro
ller, 'Disposisi', context),
const SizedBox(height: 18),
inputController(
  _assignedToController,
'Disposisi Kepada', context),
const SizedBox(height: 40),
Center(
  child: SizedBox(
    width:
MediaQuery.of(context).size.width - 200,
    height: 45,
    child: ElevatedButton(
      onPressed: _updateDisposisi,
      style:
ElevatedButton.styleFrom(
      backgroundColor:
Colors.green,
      shape:
RoundedRectangleBorder(
        borderRadius:
BorderRadius.circular(10),
      ),
    ),
    child: Text(
      'Update Disposisi',
      style: TextStyle(
        color: Colors.white,
        fontFamily:
GoogleFonts.poppins().fontFamily,
        fontWeight:
FontWeight.bold,
      ),
    ),
  ),
),
),
),
],
),
),
),
);
}
}

```

textview.dart

```

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

textView(String text, double fontSize,
Color fontColor, FontWeight fontBold,

```

```

TextAlign positionFont, EdgeInsets
margin) {
return Container(
  margin: margin,
  child: Text(
    text,
    textAlign: positionFont,
    style: GoogleFonts.poppins(
      color: fontColor,
      fontWeight: fontBold,
      fontSize: fontSize,
    ),
  ),
);
}

```

appbarview.dart

```

import
'package:dtracsi/widgets/textview.dart';
import 'package:flutter/material.dart';

appBarSplash() {
return AppBar(
  elevation: 0,
  backgroundColor: Colors.white,
  title: Row(
    mainAxisAlignment:
MainAxisAlignment.center,
    children: [
      Container(
        height: 50,
        margin: const EdgeInsets.only(
          top: 10,
        ),
        child:
Image.asset('assets/images/appbar/wuri.p
ng'),
      ),
      Row(
        children: [
          textView(
            'LLDIKTI \n Wilayah II',
            17,
            Colors.black,
            FontWeight.bold,
            TextAlign.start,
            const EdgeInsets.only(top: 10)),
        ],
      )
    ],
  ),
  automaticallyImplyLeading: false,
);
}

```

```

appBarSurat(String nama, ditekan) {

```

```

return AppBar(
  elevation: 0,
  backgroundColor: const
Color.fromARGB(255, 235, 235, 235),
  title: Row(
    mainAxisAlignment:
MainAxisAlignment.spaceBetween,
    children: [
      textView(nama, 17, const
Color(0xFF315A8A), FontWeight.bold,
        TextAlign.start, const
EdgeInsets.only(left: 13)),
      Padding(
        padding: const EdgeInsets.only(
          right: 3.0), // Adjust this value to
move the icon to the right
        child: IconButton(
          icon: const Icon(
            Icons.add_box_rounded,
            color: Color(0xFF315A8A),
            size: 30.0,
          ),
          onPressed: ditekan,
        ),
      ),
    ],
  ),
  shape: const RoundedRectangleBorder(
    borderRadius:
      BorderRadius.only(bottomLeft:
Radius.zero, bottomRight: Radius.zero),
  ),
  automaticallyImplyLeading: false,
);
}

```

```

AppBarCustom(String nama) {
  return AppBar(
    elevation: 0,
    backgroundColor: const
Color.fromARGB(255, 235, 235, 235),
    title: Row(
      mainAxisAlignment:
MainAxisAlignment.spaceBetween,
      children: [
        textView(nama, 17, const
Color(0xFF315A8A), FontWeight.bold,
          TextAlign.start, const
EdgeInsets.only(left: 10)),
      ],
    ),
    shape: const RoundedRectangleBorder(
      borderRadius:
        BorderRadius.only(bottomLeft:
Radius.zero, bottomRight: Radius.zero),
    ),
    automaticallyImplyLeading: false,
  );
}

```

```

}

AppBarCustom2(String nama, ditekan,
ukuran) {
  return AppBar(
    elevation: 0,
    backgroundColor: const
Color.fromARGB(255, 235, 235, 235),
    title: Row(mainAxisAlignment:
MainAxisAlignment.spaceBetween,
    children: [
      SizedBox(
        height: 50,
        child: IconButton(
          icon: const Icon(Icons.cancel,
color: Color(0xFF315A8A), size: 27.0),
          onPressed: ditekan,
        ),
      ),
      textView(nama, 17, const
Color(0xFF315A8A), FontWeight.bold,
        TextAlign.start, ukuran)
    ]),
    shape: const RoundedRectangleBorder(
      borderRadius:
        BorderRadius.only(bottomLeft:
Radius.zero, bottomRight: Radius.zero),
    ),
    automaticallyImplyLeading: false,
  );
}

```

```

AppBarCustom3(String nama, ditekan) {
  return AppBar(
    elevation: 0,
    backgroundColor: const
Color.fromARGB(255, 235, 235, 235),
    title: Row(mainAxisAlignment:
MainAxisAlignment.spaceBetween,
    children: [
      SizedBox(
        height: 50,
        child: IconButton(
          icon: const Icon(Icons.cancel,
color: Color(0xFF315A8A), size: 27.0),
          onPressed: ditekan,
        ),
      ),
      textView(nama, 17, const
Color(0xFF315A8A), FontWeight.bold,
        TextAlign.start, const
EdgeInsets.only(right: 160))
    ]),
    shape: const RoundedRectangleBorder(
      borderRadius:
        BorderRadius.only(bottomLeft:
Radius.zero, bottomRight: Radius.zero),
    ),
  );
}

```

```

        automaticallyImplyLeading: false,
    );
}

appBarNotif(ditekan) {
    return AppBar(
        elevation: 0,
        backgroundColor: const
Color.fromARGB(255, 235, 235, 235),
        title: Row(
            mainAxisAlignment:
MainAxisAlignment.spaceBetween,
            children: [
                textView("Pengajuan Surat", 17,
const Color(0xFF315A8A),
                    FontWeight.bold, TextAlign.start,
const EdgeInsets.only(left: 13)),
                Padding(
                    padding: const
EdgeInsets.only(right: 3.0),
                    child: IconButton(
                        icon: const Icon(
                            Icons.notifications,
                            color: Color(0xFF315A8A),
                            size: 25.0,
                        ),
                        onPressed: ditekan,
                    ),
                ),
            ],
        ),
        shape: const RoundedRectangleBorder(
            borderRadius:
                BorderRadius.only(bottomLeft:
Radius.zero, bottomRight: Radius.zero),
        ),
        automaticallyImplyLeading: false,
    );
}

```