Nama : Yahya Septian Siregar

### **CYCLE SORT**

#### 1. Isi dari file pada folder lib

- a. images/unpri.png
- b. cyclesortpage.dart



CycleSortPage.dart

```
State<CycleSortPg> createState() => CycleSortPgState();
class CycleSortPgState extends State<CycleSortPg> {
 final tecStlhUrut = TextEditingController();
 final tecData = TextEditingController();
 void addStep(String step) {
 void clearSteps() {
 List<int> cycleSort(List<int> dataList) {
```

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```
addStep(dataList.map((e) => e.toString()).join(', '));
 Widget build(BuildContext context) {
     appBar: AppBar(
       title: const Text('Cycle Sort'),
            Navigator.push(
                context, MaterialPageRoute(builder: (context) =>
MyApp());
     body: SingleChildScrollView(
```

```
child: Container(
             children: [
                    padding: const EdgeInsets.only(top: 15),
                    child: Container(
                      child: TextFormField(
                        validator: (value) => value == null ||
                        decoration: InputDecoration(
                          labelText: 'Klik Untuk Memasukkan Angkamu',
                          labelStyle: TextStyle(color:
Color(0xFF495E57)),
                          hintText: 'Masukan Angka Satu Persatu',
                          focusedBorder: OutlineInputBorder(
                            borderRadius: BorderRadius.circular(20),
                            borderSide: BorderSide(color:
Color(0xFFF4CE14)),
                          enabledBorder: OutlineInputBorder(
                            borderRadius: BorderRadius.circular(20),
                            borderSide: BorderSide(color:
Color(0xFF495E57))
                Padding (
                  padding: const EdgeInsets.all(12.0),
                  child: Container(
                    decoration: BoxDecoration(
                        borderRadius: BorderRadius.circular(10),
                        color: Color(0xFF495E57)),
                Container(
                  child: ButtonBar(
                      FilledButton(
```

```
SnackBar (
        child: Text(
        style: ElevatedButton.styleFrom(
          backgroundColor: Color(0xFFF4CE14),
          fixedSize: Size(150, 40),
          shape: RoundedRectangleBorder(
              borderRadius: BorderRadius.circular(30)),
      ElevatedButton(
        onPressed: () {
            list.clear();
        child: Text(
          style: TextStyle(fontSize: 14),
        style: ElevatedButton.styleFrom(
          shape: RoundedRectangleBorder(
              borderRadius: BorderRadius.circular(30)),
Container (
```

```
style: ElevatedButton.styleFrom(
                        fixedSize: Size(355, 40),
                        shape: RoundedRectangleBorder(
                             borderRadius: BorderRadius.circular(18)),
                  Padding (
                    child: Column(
                      children: [
                        TextField(
                          decoration: InputDecoration(
                               border: OutlineInputBorder(
                        SizedBox(
                        TextField(
                               labelText: 'Data Setelah pengurutan',
border: OutlineInputBorder(
BorderRadius.circular(20))),
                        SizedBox(
                        Text(
```

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#### c. main.dart



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

void main() {
   runApp(MaterialApp(
        debugShowCheckedModeBanner: false,
        home: MyApp(),
   ));
}

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

   @override
   Widget build(BuildContext context) {
      return Scaffold(
        backgroundColor: Color(0xFFF5F7F8),
        body: SafeArea(
```

```
child: Center(
                      color: Color(0xFF495E57)),
                SizedBox(
                  style: TextStyle(fontSize: 18, color:
Color(0xFF495E56)),
                SizedBox(
                Container (
                  child: Image.asset('lib/images/unpri.png'),
                SizedBox(
                  child: ElevatedButton(
                      Navigator.push(
                        MaterialPageRoute(builder: (context) =>
CycleSortPg()));
                    style: ElevatedButton.styleFrom(
                      shape: RoundedRectangleBorder(
                        borderRadius: BorderRadius.circular(40),
                      padding:
horizontal: 20),
                      style: TextStyle(
```

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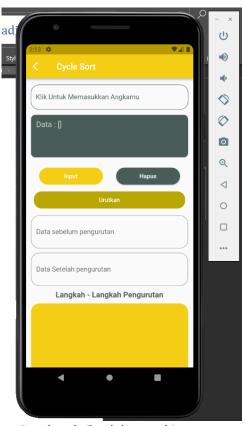
## 2. Ouput dari aplikasi

a. Gambar 1(Start App)

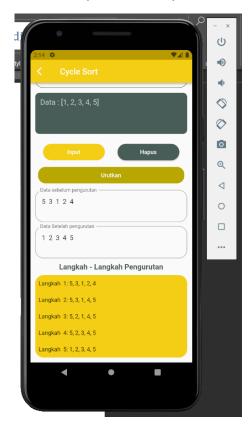


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## b. Gambar 2 (design kosong)



# c. Gambar 3 (berisi contoh)



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## 3. Link channel Youtube berisi penjelasan dan penggunaan aplikasi

Link: <a href="https://youtu.be/0cjgbg5rwOY">https://youtu.be/0cjgbg5rwOY</a>

#### Catatan:

- Mohon masing-masing peserta ujian mengikuti template ini.
- Jika anda tidak mengikuti format template ini, maka akan menyulitkan proses penilaian dan akan mengurangi penilaian anda.