Nama: Rohid Syavelen Pahti

### **BUCKET SORT**

### 1. Isi dari file pada folder lib

a. profile.dart

```
onPressed: () {
                MaterialPageRoute(builder: (context) => BucketSortPage()),
          padding: const EdgeInsets.all(16.0),
NetworkImage('https://s3.amazonaws.com/assets.unprimdn.ac.id/images/student
              SizedBox (height: 16),
                style: TextStyle(
              SizedBox (height: 8),
```

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### b. main.dart

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

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

class MyApp extends StatelessWidget {
   @override
   Widget build(BuildContext context) {
      return MaterialApp(
      title: 'Aplikasi Bucket Sort',
      theme: ThemeData(
          primarySwatch: Colors.blue,
      ),
      home: ProfilePage(), // Perbaikan disini
   );
   }
}
```

NIM : 223303030216 Nama : Rohid Syavelen Pahti

### c. BucketSort.dart

```
import 'package:flutter/material.dart';
void main() {
 runApp(const MyApp());
   List<List<int>>> buckets = List.generate(5, (index) => []);
     result.addAll(buckets[i]);
   return MaterialApp(
     theme: ThemeData(
       primarySwatch: Colors.blue,
     home: BucketSortPage(),
```

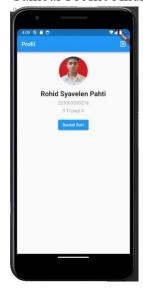
```
BucketSortPageState createState() => BucketSortPageState();
class BucketSortPageState extends State<BucketSortPage> {
 void clearAllData() {
 void sortNumbers() {
     sortedNumbers = BucketSort().sort(uniqueSteps);
     sortingSteps.add(List.from(sortedNumbers));
 void addNumber() {
       int newNumber = int.parse(_numberController.text);
         numbers.add(newNumber);
           SnackBar(
```

```
return Scaffold(
 appBar: AppBar(
   title: Text('Bucket Sort'),
      child: Column(
        children: [
          TextField(
            controller: numberController,
            keyboardType: TextInputType.number,
            decoration: InputDecoration(
             labelText: 'Masukkan Angka (1-100)',
              border: OutlineInputBorder(
                borderRadius: BorderRadius.circular(10),
          ElevatedButton(
          ElevatedButton(
            child: Text('Urutkan'),
          SizedBox (height: 16),
          Card(
                children: [
                  Text(
                    style: TextStyle(fontWeight: FontWeight.bold),
                  SizedBox (height: 8),
                      ElevatedButton(
                      SizedBox (height: 8),
```

```
ListView.builder(
SizedBox (height: 16),
Card(
  child: Padding(
    child: Column (
      children: [
          style: TextStyle(fontWeight: FontWeight.bold),
                Container (
                  child: Padding(
                    padding: const EdgeInsets.all(8.0),
Card(
```

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## a. Gambar Profile Android Studio

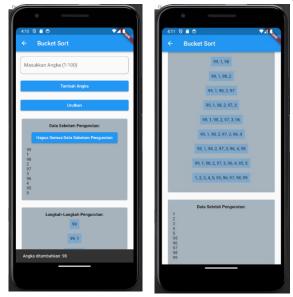


# b. Gambar Bucket Sort sebelum digunakan



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C. Gambar Bucket Sort sesudah digunakan



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

Link: https://www.youtube.com/watch?v=ZwJfGreD7fY

### 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.