

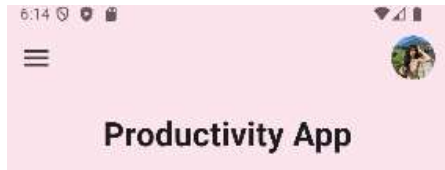
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Github : https://github.com/Jihan97ux/Productive_ToDo_List_App

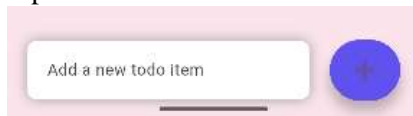
Manual Book – To Do List App

1. Judul Halaman :

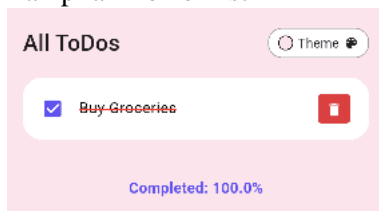


2. To Do List

a. Input TextField



b. Tampilan ToDo List



1) Tambahkan tugas

Sebelum	Sesudah
Tambah tugas seperti biasa	
A screenshot of the app before adding a new task. The 'Add a new todo item' button is highlighted with a blue arrow. The list shows 'Buy-Groceries' as completed.	A screenshot of the app after adding a new task. The list now includes 'kashi makan oed' and 'Buy-Groceries'. The completion percentage is now 50.0%.

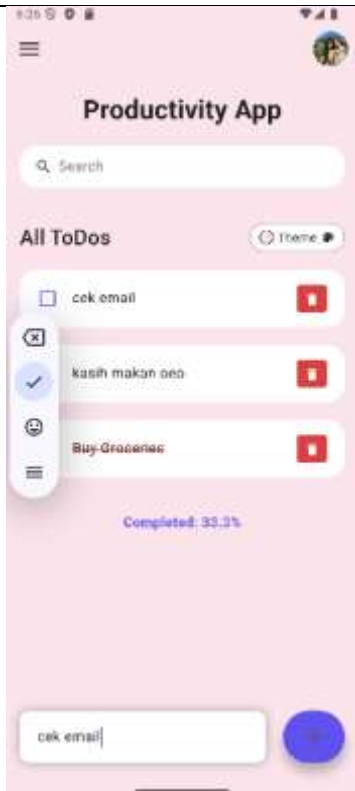
Tambah tugas jika input text kosong

Tidak terjadi apa-apa, karena :

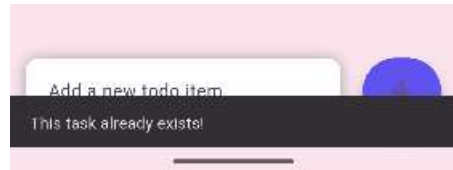
```
final trimmedTodo = todo.trim();

if (trimmedTodo.isEmpty) {
  return;
}
```

Tambah tugas duplikat




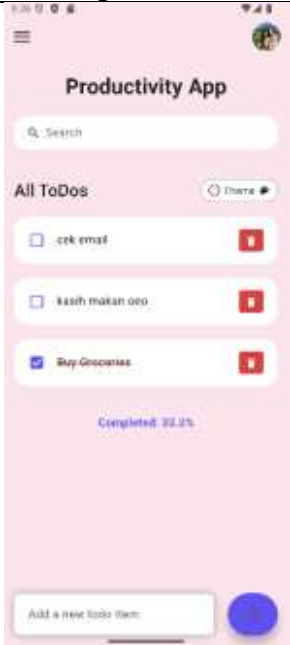
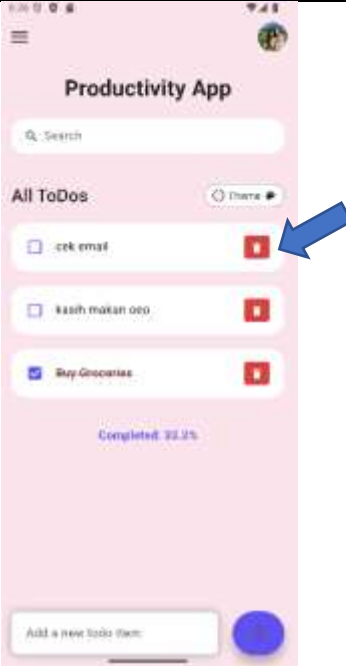
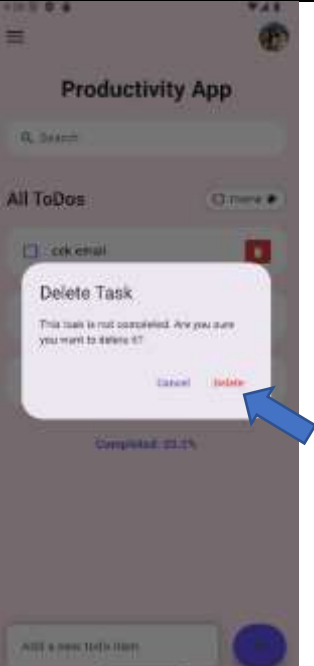
Notifikasi :



Karena :

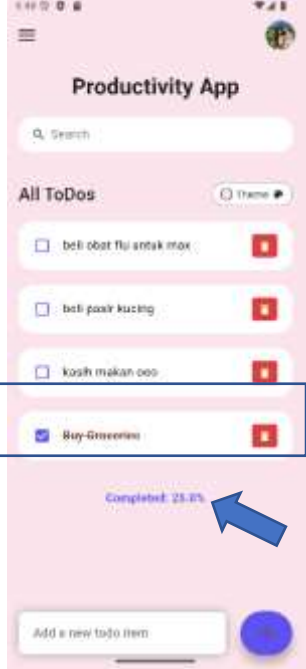
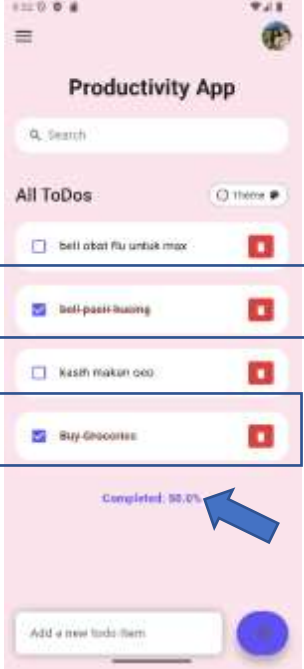
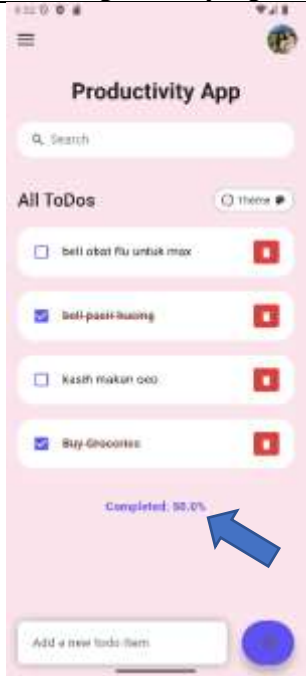
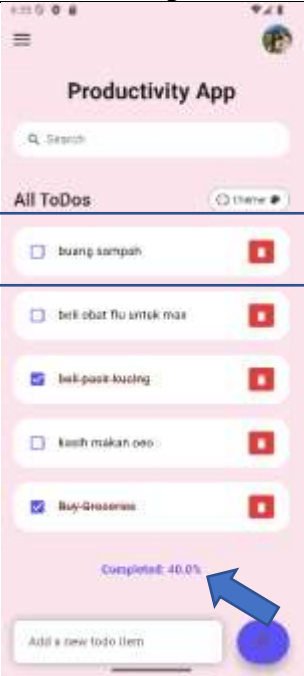
```
if (!isDuplicate) {
  setState(() {
    todosList.add(Todo(
      id: DateTime.now().millisecondsSinceEpoch,
      todoText: trimmedTodo,
    )); // TODO
    _runFilter(''); // refresh filter
    _updateCompletionPercentage();
  });
} else {
  ScaffoldMessenger.of(context).showSnackBar(
    SnackBar(
      content: Text('This task already exists!'),
      duration: Duration(seconds: 2),
    ), // SnackBar
  );
}
```

2) Hapus tugas

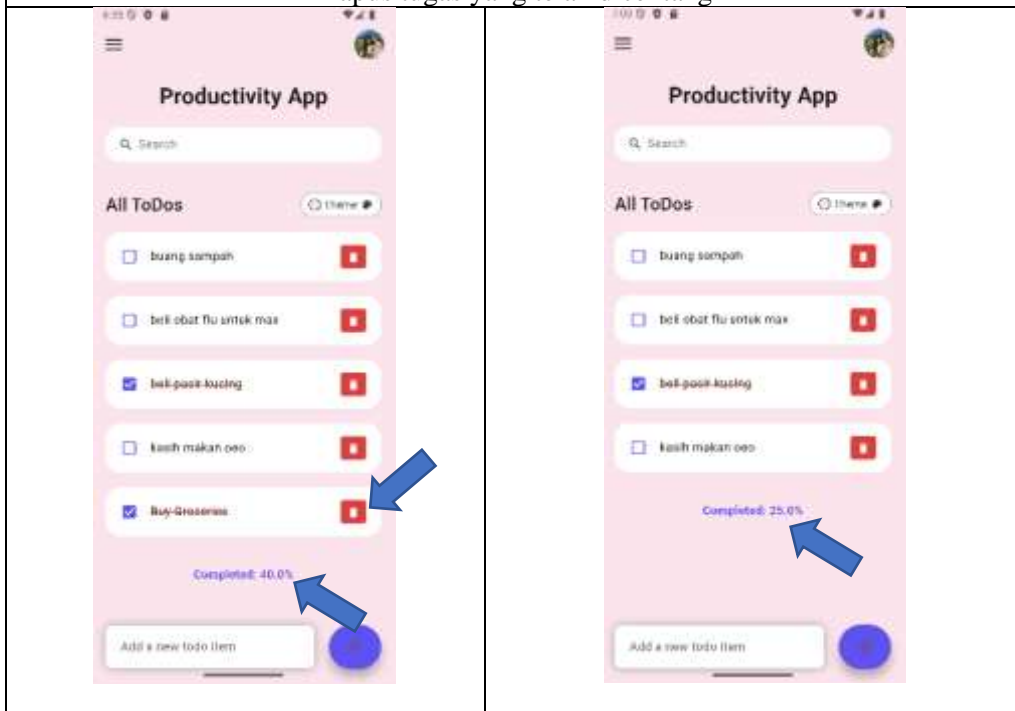
Sebelum	Sesudah
Hapus tugas yang sudah dicentang	
	
Hapus tugas yang belum dicentang	
	
<p>Karena jika dicentang = done, maka :</p> <pre> if (todoItem.isDone) { setState(() { todosList.removeWhere((item) => item.id == id); _runFilter(''); _updateCompletionPercentage(); }); } else { showDialog(</pre>	

3. Task Completion

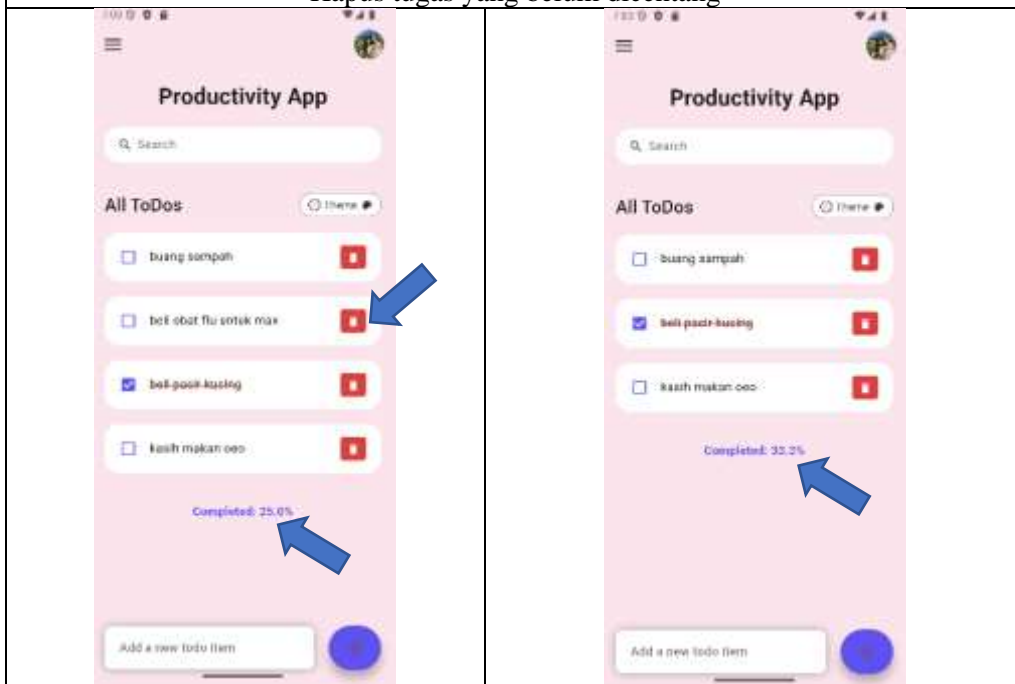
Task completion dihitung ketika : Task baru yang dicentang/diselesaikan, task baru yang ditambahkan dan task baru yang dihapus, yang sudah dicentang atau belum. Dengan tambahan, task yang dicentang tidak bisa dibatalkan centang, kecuali dihapus dan ditambahkan ulang.

Sebelum	Sesudah
Tugas yang baru diselesaikan	
	
Tugas baru yang ditambahkan (contoh : tambah 1 tugas baru)	
	

Hapus tugas yang telah dicentang



Hapus tugas yang belum dicentang



4. Color Picker

Color picket dipercantik menjadi pilihan theme

a. Color Picker Icon



b. List warna (5 warna)

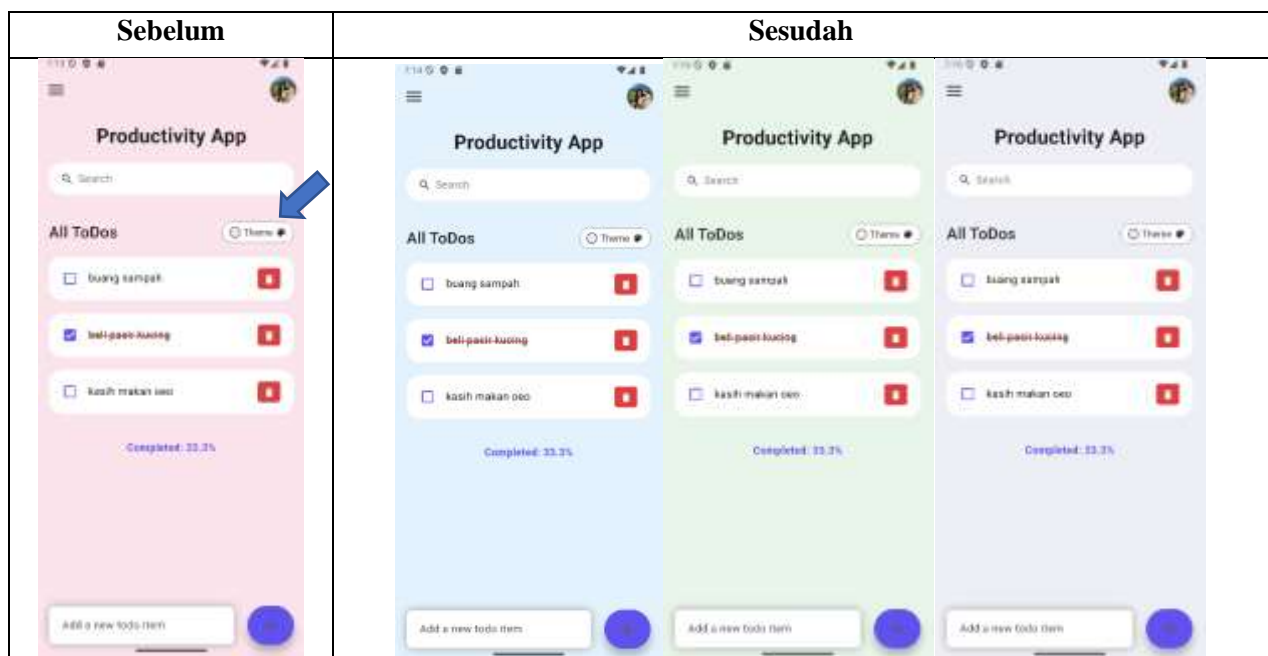
```
final List<Color> _backgroundColors = [
  tdBgColor,
  Colors.blue[50]!,
  Colors.green[50]!,
  Colors.purple[50]!,
  Colors.amber[50]!,
  Colors.pink[50]!,
];
```

c. Color Picker process

```
Widget _buildColorChangeButton() {
  return InkWell(
    onTap: _changeBackgroundColor,
    child: Container(
      padding: EdgeInsets.symmetric(horizontal: 10, vertical: 5),
      decoration: BoxDecoration(
        color: Colors.white,
        border: Border.all(color: Colors.grey),
        borderRadius: BorderRadius.circular(15),
      ), // BoxDecoration
      child: Row(
        children: [
          Container(
```

Tiap tap berganti color background dengan idx+1 dari list warna:

```
void _changeBackgroundColor() {
  setState(() {
    _currentBgColorIndex = (_currentBgColorIndex + 1) % _backgroundColors.length;
  });
}
```



5. Tambahan – Search Bar

