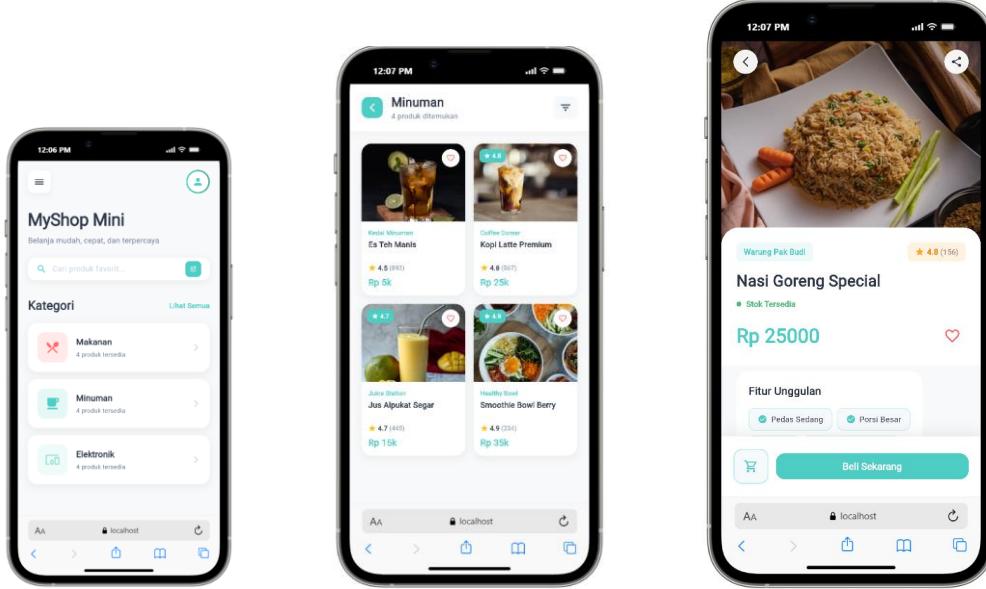


MyShop Mini Di buat Menggunakan Framework Flutter dengan 3 Halaman Utama Yaitu Home, Product List, dan Product View

1. Tampilan Home, Product List, Product View



Widget yang saya gunakan dalam struktur code di atas Sebagai Berikut :

Main Widget :

1. **MaterialApp** - Root widget aplikasi, mengatur theme dan routing :

```
MaterialPageRoute(
    builder: (context) =>
ProductListScreen(category: category),

MaterialPageRoute(
    builder: (context) =>
ProductDetailScreen(product: product),

return MaterialApp(
    debugShowCheckedModeBanner: false,
    title: 'MyShop Mini',
```

2. **Scaffold** - Struktur dasar halaman dengan body dan SafeArea

```
return Scaffold(
    body: SafeArea(
        child: SingleChildScrollView(
```

```

        child: Padding(
            padding: EdgeInsets.symmetric(horizontal:
horizontalPadding),
            child: Column(
                mainAxisAlignment:
CrossAxisAlignment.start,
                children: [
                    SizedBox(height: 20),

```

```

return Scaffold(
    body: Stack(
        children: [
            // Scrollable Content
            SingleChildScrollView(
                child: Column(

```

3. **SafeArea** - Menghindari area notch/status bar

```

body: SafeArea(
    child: SafeArea(
        child: Row(
return Scaffold(
    body: SafeArea(
        child: Column(
child: SafeArea(
        child: Container(
            padding: EdgeInsets.symmetric(horizontal:
20, vertical: 15),
            child: Row(

```

Layout Widget :

4. **Column** - Menyusun widget secara vertikal

```

        child: Column(
            mainAxisAlignment: CrossAxisAlignment.start,
            children: [

```

5. **Row** - Menyusun widget secara horizontal

```

Row(
    mainAxisAlignment: MainAxisAlignment.spaceBetween,
    children: [

```

```
Container(  
    padding: EdgeInsets.symmetric(  
        horizontal: 12,  
        vertical: 6,  
    ),  
    decoration: BoxDecoration(  
        color: Color(0xFF4ECDC4).withOpacity(0.1),  
        borderRadius: BorderRadius.circular(8),  
    ),  
),  
],  
)
```

6. **Expanded** - Membuat widget mengisi ruang tersedia

```
Expanded(  
    child: Padding(  
        padding: EdgeInsets.all(12),  
        child: Column(  
            children: [
```

7. **Padding** - Memberikan jarak dalam widget

```
padding: EdgeInsets.all(12),
```

8. **Container** - Kotak fleksibel untuk styling dan layout

```
Container(  
    padding: EdgeInsets.symmetric(  
        horizontal: 12,  
        vertical: 6,  
    ),  
    decoration: BoxDecoration(  
        color: Color(0xFFFFF3E0),  
        borderRadius: BorderRadius.circular(8),  
    ),  
)
```

9. **Stack** - Menumpuk widget di atas satu sama lain

```
Stack(  
    children: [  
        Container(  
            height: 140,
```

```
        decoration: BoxDecoration(
            borderRadius: BorderRadius.vertical(
                top: Radius.circular(18),
            ),
            image: DecorationImage(
                image: NetworkImage(product.imageUrl),
                fit: BoxFit.cover,
            ),
        ),
    ],
)
```

10. **TextField** - Input pencarian

```
Text(
    'Fitur Unggulan',
    style: TextStyle(
        fontSize: 18,
        fontWeight: FontWeight.bold,
        color: Color(0xFF2D3748),
    ),
),
```

11. **GestureDetector** - Mendeteksi tap/touch

```
GestureDetector(
    onTap: () => Navigator.pop(context),
    child: Container(
        padding: EdgeInsets.all(10),
        decoration: BoxDecoration(
            color: Colors.white.withOpacity(0.95),
            shape: BoxShape.circle,
            boxShadow: [
                BoxShadow(
                    color: Colors.black.withOpacity(0.15),
                    blurRadius: 10,
                ),
            ],
    )
```

12. CircleAvatar - Avatar berbentuk lingkaran

```
child: CircleAvatar(  
    radius: 22,  
    backgroundColor: Colors.white,  
    child: Icon(  
        Icons.person,  
        color: Color(0xFF4ECDC4),  
        size: 24,  
    ),  
) ,
```

13. Icon - Menampilkan icon

```
Icon(  
    Icons.arrow_forward_ios,  
    color: Color(0xFFCB5E0),  
    size: 18,  
) ,
```

14. ElevatedButton - Tombol dengan elevasi

```
child: ElevatedButton(  
    onPressed: () {  
        ScaffoldMessenger.of(context).showSnackBar(  
            SnackBar(  
                content: Row(  
                    children: [  
                        Icon(  
                            Icons.check_circle,  
                            color: Colors.white,  
                        )
```

15. BoxDecoration - Styling container (border radius, shadow, gradient)

```
decoration: BoxDecoration(  
    color: Color(0xFFFF7FAFC),  
    borderRadius: BorderRadius.circular(10),  
) ,
```

16. BoxShadow - Memberikan bayangan

```
boxShadow: [  
    BoxShadow(  
        color: Colors.black.withOpacity(0.05),
```

```
        blurRadius: 10,  
        offset: Offset(0, 4),  
) ,  
] ,
```

17. **NetworkImage** - Load gambar dari URL

```
image: DecorationImage(  
    image: NetworkImage(product.imageUrl),  
    fit: BoxFit.cover,  
) ,
```

18. **SnackBar** - Notifikasi sementara di bawah layar

```
ScaffoldMessenger.of(context).showSnackBar(  
    SnackBar(  
        content: Row(  
            children: [  
                Icon(  
                    Icons.check_circle,  
                    color: Colors.white,  
                ),  
                SizedBox(width: 10),  
                Expanded(  
                    child: Text(  
                        '${product.name} berhasil ditambahkan!',  
                    ),  
                ),  
            ],  
        ),  
    );
```

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UTS PEMOGRAMAN MOBILE

Link Github : <https://github.com/rizzdev31/my-shopmini.git>