

## LAPORAN PRAKTIKUM 3

### ACTIVITY DAN INTENT

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**Bahan** : Modul Praktikum 3 – Activity dan Intent

**Alat** : Android Studio

#### Desain Halaman Login

Source code layout :

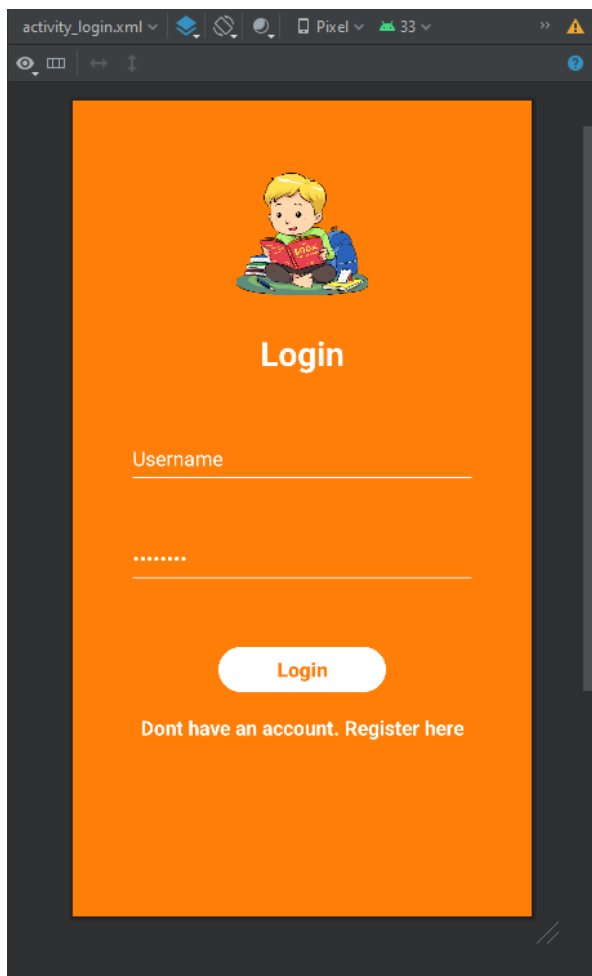
```
1  <?xml version="1.0" encoding="utf-8"?>
2  <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
3      xmlns:app="http://schemas.android.com/apk/res-auto"
4      xmlns:tools="http://schemas.android.com/tools"
5      android:layout_width="match_parent"
6      android:layout_height="match_parent"
7      tools:context=".LoginActivity"
8      android:orientation="vertical"
9      android:background="#FE7E07"
10     >
11     <ImageView
12         android:layout_width="125dp"
13         android:layout_height="140dp"
14         android:src="@drawable/read"
15         android:layout_gravity="center"
16         android:layout_marginTop="50dp"
17     />
18     <TextView
19         android:layout_width="match_parent"
20         android:layout_height="wrap_content"
21         android:text="Login"
22         android:textColor="@color/white"
23         android:textStyle="bold"
24         android:textSize="30sp"
25         android:textAlignment="center"
26         android:layout_marginTop="16dp"
27     />
28     <EditText
29         android:id="@+id/username"
30         android:layout_width="match_parent"
31         android:layout_height="50dp"
32         android:text="Username"
33         android:inputType="text"
34         android:ems="10"
35         android:textColor="@color/white"
36         android:backgroundTint="@color/white"
37         android:layout_marginTop="50dp"
38         android:layout_marginStart="50dp"
39         android:layout_marginEnd="50dp"
```

```

40     />
41     <EditText
42         android:id="@+id/password"
43         android:layout_width="match_parent"
44         android:layout_height="50dp"
45         android:text="Password"
46         android:inputType="textPassword"
47         android:ems="10"
48         android:textColor="@color/white"
49         android:backgroundTint="@color/white"
50         android:layout_marginTop="40dp"
51         android:layout_marginStart="50dp"
52         android:layout_marginEnd="50dp"
53     />
54     <Button
55         android:id="@+id/buttonLogin"
56         android:layout_width="150dp"
57         android:layout_height="wrap_content"
58         android:text="Login"
59         android:layout_gravity="center"
60         android:layout_marginTop="50dp"
61         android:backgroundTint="@color/white"
62         android:textColor="#FE7E07"
63         android:textSize="18dp"
64         android:textStyle="bold"
65     />
66     <TextView
67         android:layout_width="match_parent"
68         android:layout_height="wrap_content"
69         android:text="Dont have an account. Register here"
70         android:textColor="@color/white"
71         android:textStyle="bold"
72         android:textAlignment="center"
73         android:textSize="18sp"
74         android:layout_marginTop="10dp"
75     />
76
77 </LinearLayout>

```

Design UI :



## Desain Halaman About Us

Source code layout :

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com
3     xmlns:app="http://schemas.android.com/apk/res-auto"
4     xmlns:tools="http://schemas.android.com/tools"
5     android:layout_width="match_parent"
6     android:layout_height="match_parent"
7     tools:context=".AboutActivity">
8     <ImageView
9         android:id="@+id/imageAbout"
10        android:layout_width="200dp"
11        android:layout_height="200dp"
12        android:src="@drawable/read"
13        android:layout_marginTop="60dp"
14        app:layout_constraintTop_toTopOf="parent"
15        app:layout_constraintLeft_toLeftOf="parent"
16        app:layout_constraintRight_toRightOf="parent"
17        app:layout_constraintBottom_toTopOf="@id/aboutUs"/>
18     <TextView
19         android:id="@+id/aboutUs"
20         android:layout_width="wrap_content"
21         android:layout_height="wrap_content"
22         android:text="About Us"
23         android:layout_marginTop="50dp"
24         android:textStyle="bold"
25         android:textSize="20sp"
26         android:textAlignment="center"
27         app:layout_constraintTop_toBottomOf="@id/imageAbout"
28         app:layout_constraintLeft_toLeftOf="parent"
29         app:layout_constraintRight_toRightOf="parent"
30     />
```

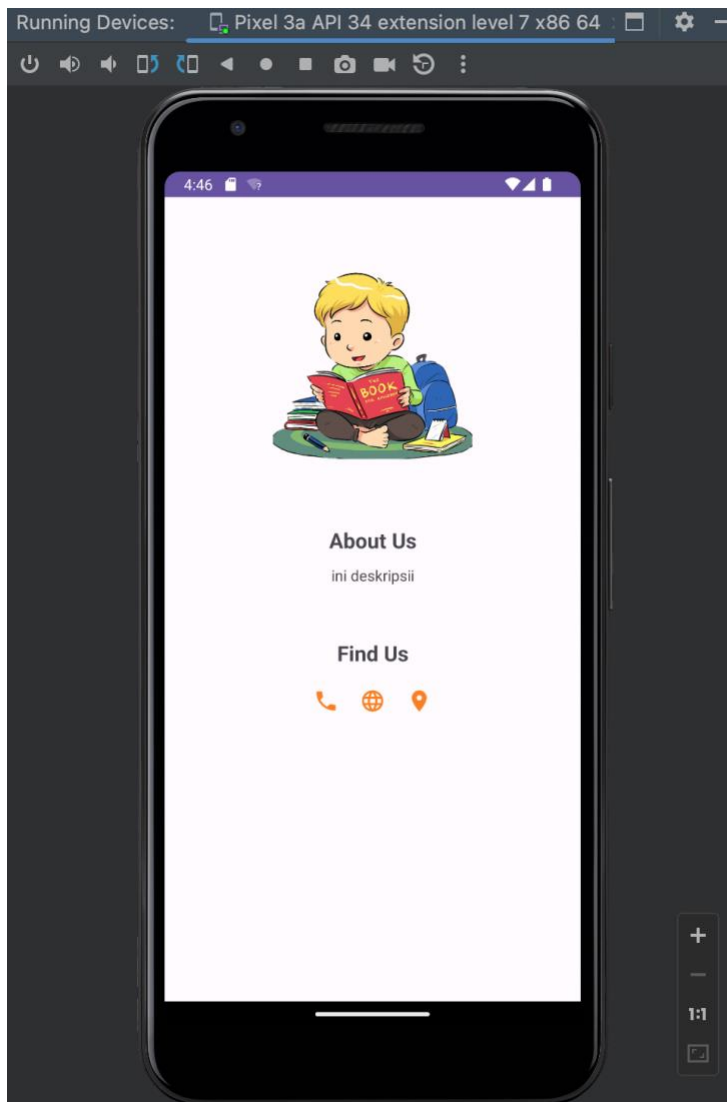
```
31 <TextView
32     android:id="@+id/descAbout"
33     android:layout_width="match_parent"
34     android:layout_height="wrap_content"
35     android:text="ini deskripsi"
36     android:textAlignment="center"
37     android:layout_marginTop="10dp"
38     app:layout_constraintTop_toBottomOf="@id/aboutUs"
39 />
40 <TextView
41     android:id="@+id/findUs"
42     android:layout_width="wrap_content"
43     android:layout_height="wrap_content"
44     android:text="Find Us"
45     android:layout_marginTop="50dp"
46     android:textStyle="bold"
47     android:textSize="20sp"
48     app:layout_constraintTop_toBottomOf="@id/descAbout"
49     app:layout_constraintLeft_toLeftOf="parent"
50     app:layout_constraintRight_toRightOf="parent"
51 />
52 <LinearLayout
53     android:layout_width="match_parent"
54     android:layout_height="wrap_content"
55     android:orientation="horizontal"
56     android:gravity="center"
57     android:layout_marginTop="20dp"
58     app:layout_constraintTop_toBottomOf="@id/findUs"
59 >
```

```

60     <ImageView
61         android:id="@+id/phone"
62         android:layout_width="wrap_content"
63         android:layout_height="wrap_content"
64         android:src="@drawable/baseline_phone_24" />
65     <ImageView
66         android:id="@+id/web"
67         android:layout_width="wrap_content"
68         android:layout_height="wrap_content"
69         android:layout_marginStart="20dp"
70         android:layout_marginEnd="20dp"
71         android:src="@drawable/baseline_language_24" />
72     <ImageView
73         android:id="@+id/location"
74         android:layout_width="wrap_content"
75         android:layout_height="wrap_content"
76         android:src="@drawable/baseline_location_on_24" />
77 </LinearLayout>
78
79 </androidx.constraintlayout.widget.ConstraintLayout>

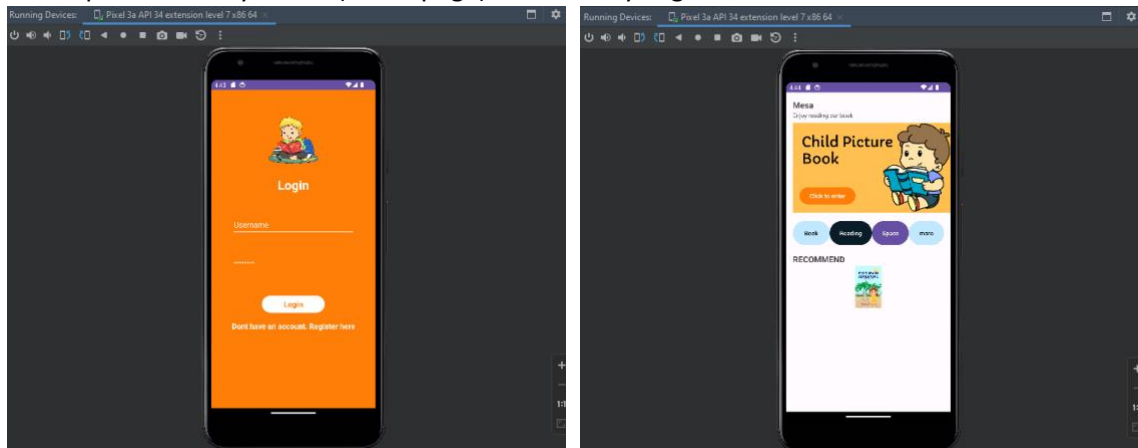
```

Design UI :

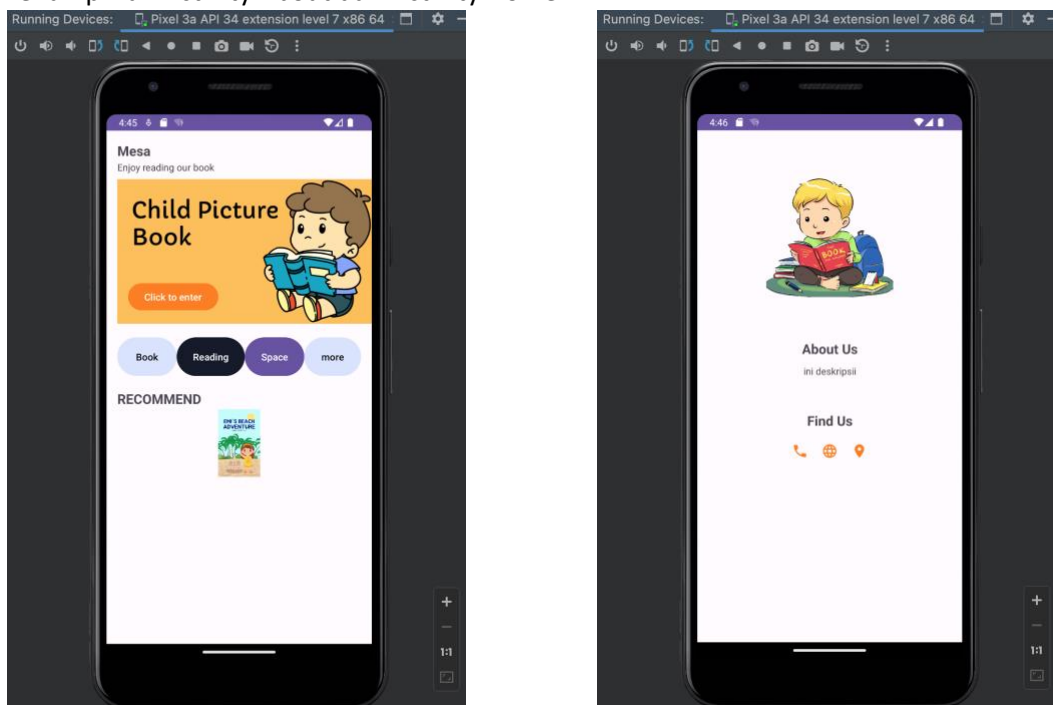


## EXPLICIT INTENT

1. Menampilkan Activity Home (home page) dari Activity Login



2. Menampilkan Activity About dari Activity Home



```
val call:ImageView = findViewById(R.id.phone)
val web:ImageView = findViewById(R.id.web)
val location:ImageView = findViewById(R.id.location)
```

## IMPLICIT INTENT

1. Dial Number

```
call.setOnClickListener { it: View!
    val callIntent: Intent = Uri.parse( uriString: "tel:085792955697").let {
        number-> Intent(Intent.ACTION_DIAL,number)
    }
    startActivity(callIntent)
}
```

2. Web Browser

```
web.setOnClickListener { it: View!
    val webIntent: Intent = Uri.parse( uriString: "https://amikom.ac.id").let {
        webpage->Intent(Intent.ACTION_VIEW, webpage)
    }
    startActivity(webIntent)
}
```

3. Google Maps

```
location.setOnClickListener { it: View!
    val gmmIntentUri = Uri.parse( uriString: "geo:47.6,-122,3?z=11")
    val mapIntent = Intent(Intent.ACTION_VIEW, gmmIntentUri)
    mapIntent.setPackage("com.google.android.apps.maps")
    if (mapIntent.resolveActivity(packageManager) != null) {
        startActivity(mapIntent)
    }
}
```