TUGAS
Pemrograman Mobile



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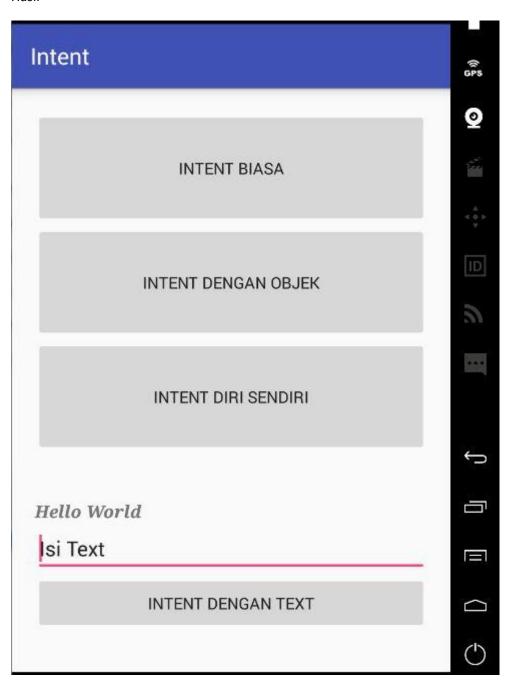
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JURUSAN TEKNOLOGI INFORMASI PROGRAM STUDI TEKNIK INFORMATIKA POLITEKNIK NEGERI MALANG Membuat file Activity_Main.xml sebagai halaman utama yang berisi tombol button dan edit text.

```
android:layout height="match parent"
android:orientation="vertical"
android:padding="20dp"
android:layout marginBottom="10dp"
tools:context="com.hoga.intent.MainActivity">
<Button
   android:id="@+id/btnIntent1"
    android:layout width="match parent"
    android:layout_height="100dp"
    android:text="Intent biasa"/>
<Button
    android:id="@+id/btnIntent3"
    android:layout width="match parent"
    android:layout height="100dp"
    android:text="Intent dengan objek"/>
<Button
    android:id="@+id/btnIntent4"
    android:layout width="match parent"
    android:layout height="100dp"
    android:text="Intent diri sendiri" />
<TextView
   android:id="@+id/tvSelf"
   android:layout width="wrap content"
    android:layout height="wrap content"
    android:typeface="serif"
    android:textSize="15dp"
    android:layout marginTop="40dp"
    android:textStyle="bold|italic"
    android:text="Hello World"/>
<EditText
    android:id="@+id/editText"
    android:layout width="match parent"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="textPersonName"
    android:text="@string/user message" />
    android:id="@+id/btnIntent2"
    android:layout width="match parent"
    android:layout height="50dp"
    android:text="Intent dengan text"/>
```

```
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
   btn1 = findViewById(R.id.btnIntent1);
   btn2 = findViewById(R.id.btnIntent2);
   btn3 = findViewById(R.id.btnIntent3);
   btn4 = findViewById(R.id.btnIntent4);
    tvSelf = findViewById(R.id.tvSelf);
   btn1.setOnClickListener((v) \rightarrow \{
            Intent i = new Intent(getApplicationContext(), IntentBiasa.class);
            startActivity(i);
    });
   btn2.setOnClickListener((v) -> {
            EditText editText = findViewById(R.id.editText);
            String message = editText.getText().toString();
            Intent i = new Intent(getApplicationContext(), IntentKirimText.class);
            i.putExtra( name: "EXTRA MESSAGE", message);
           startActivity(i);
    });
   btn3.setOnClickListener((v) -> {
            //Parsing data menggunakan Serializable
            Alamat alm = new Alamat ( nama: "Septa Hoga Samara", jk: "Ngalam", nim: "0812507099");
            Intent i = new Intent(getApplicationContext(), IntentSendObject.class);
            i.putExtra( name: "Extra",alm);
            startActivity(i);
   btn4.setOnClickListener((v) → { tvSelf.setText("Septa Hoga Samara"); });
```



Membuat Intent biasa tanpa mengirim data.

Activity_Intent_Biasa.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout</p>
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout width="match parent"
    android:layout height="match parent"
    android:orientation="vertical"
    android:layout marginTop="90dp"
    tools:context="com.hoga.intent.IntentBiasa">
    <TextView
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:layout gravity="center"
        android:text="Hello World !"
        android:textSize="50sp"
        android:textStyle="bold|italic" />
    <Button
        android:id="@+id/btnBack"
        android:layout width="112dp"
        android:layout height="112dp"
        android:layout marginTop="1dp"
        android:layout gravity="center"
        android:text="Back"/>
</LinearLayout>
```

IntentBiasa.java

```
package com.hoga.intent;

import ...

public class IntentBiasa extends AppCompatActivity {

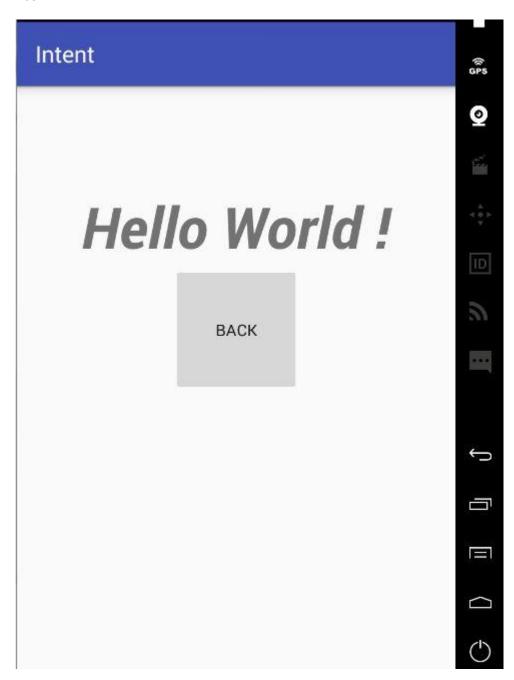
Button btnBack;

@Override

protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_intent_biasa);

    btnBack = findViewById(R.id.btnBack);

btnBack.setOnClickListener((v) → {
        Intent i = new Intent(getApplicationContext(), MainActivity.class);
        startActivity(i);
    });
}
```



Membuat Intent dengan mengirim data berupa text.

Activity_Intent_Kirim_Text.xml

```
<?xml version="1.0" encoding="utf-8"?>
|<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:tools="http://schemas.android.com/tools"
    android:layout width="match parent"
    android:layout height="match parent"
    "me:app="http://schemas.android.com/apk/res-auto"
           :padding="10dp"
    android:layout_marginTop="20dp"
    tools:context="com.hoga.intent.IntentKirimText">
    <TextView
        android:id="@+id/display_message"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:layout_marginEnd="8dp"
        android:layout marginLeft="8dp"
        android:layout marginRight="8dp"
        android:layout_marginStart="8dp"
        android:layout marginTop="28dp"
        android:textSize="20sp"
        android:textStyle="bold"
        app:layout constraintEnd toEndOf="parent"
        app:layout constraintStart toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
```

IntentKirimText.java

```
package com.hoga.intent;

import ...

public class IntentKirimText extends AppCompatActivity {
    TextView tvNama, tvJk, tvNim;

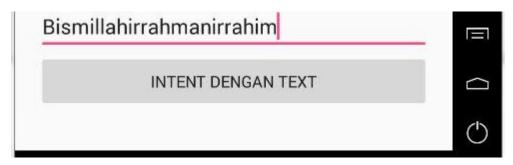
@Override

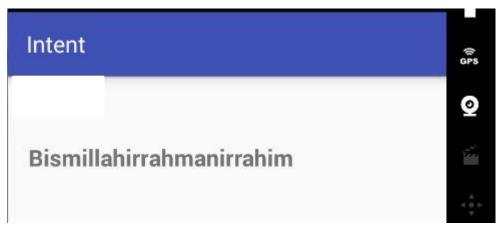
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_intent_kirim_text);

    Intent intent = getIntent();

    String message = intent.getStringExtra( name: "EXTRA MESSAGE");
    TextView textView = findViewById(R.id.display_message);
    textView.setText(message);
```

Hasil





Membuat Intent dengan mengirim data berupa object.

IntentSendObject.java

```
package com.hoga.intent;

import ...

public class IntentSendObject extends AppCompatActivity {

   TextView tvNama, tvAlamat, tvTlp;

   @Override
   protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_intent_send_object);

        tvNama = findViewById(R.id.tvNama);
        tvAlamat = findViewById(R.id.tvAlamat);
        tvTlp = findViewById(R.id.tvTlp);

        Alamat alm = (Alamat) getIntent().getSerializableExtra( name: "Extra");

        tvNama.setText(alm.getNama());
        tvAlamat.setText(alm.getNim());

        tvTlp.setText(alm.getNim());
}
```

Activity_Intent_Send_Object.xml

```
\metativebayout \( \text{Aminis} \) android= \( \text{nicp.//schemas} \) android \( \text{com/aps/res/android} \)
   xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
   xmlns:app="http://schemas.android.com/apk/res-auto"
   android:padding="10dp"
    android:layout_marginTop="20dp"
   tools:context="com.hoga.intent.IntentSendObject">
    <TextView
       android:id="@+id/judul"
        android:layout width="wrap content"
        android:layout_height="wrap_content"
        android:textSize="20dp"
        android:textStyle="italic|bold"
        android:layout_marginBottom="30dp"
        android:typeface="serif"
        android:text="Intent dengan mengirim Object"/>
    <TextView
        android:id="@+id/nama"
        android:layout_width="wrap_content"
        android:layout_height="wrap content"
        android:layout_below="@id/judul"
        android:text="Nama : "/>
    <TextView
        android:id="@+id/tvNama"
        android:layout width="wrap content"
        android:layout_height="wrap_content"
        android:layout_below="@id/judul"
        android:layout_toRightOf="@id/nama"
        android:typeface="serif"
        android:textSize="15dp"
        android:textStyle="bold|italic"
        android:text="isi"/>
```

```
<TextView
    android:id="@+id/alamat"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:layout below="@id/nama"
    android:layout marginTop="10dp"
    android:text="Alamat : "/>
<TextView
   android:id="@+id/tvAlamat"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:layout below="@id/nama"
    android:layout toRightOf="@id/alamat"
    android:layout marginTop="10dp"
    android:typeface="serif"
    android:textSize="15dp"
    android:textStyle="bold|italic"
    android:text="isi"/>
<TextView
    android:id="@+id/tlp"
    android:layout width="wrap content"
    android:layout_height="wrap_content"
    android:layout below="@id/alamat"
    android:layout marginTop="10dp"
    android:text="Nomor Tlp : "/>
<TextView
    android:id="@+id/tvTlp"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:layout below="@id/alamat"
    android:layout toRightOf="@id/tlp"
    android:layout marginTop="10dp"
    android:typeface="serif"
```

Hasil:



Membuat Intent ke dirinya sendiri dengan menampilkan data.

Main Activity.java

```
Button btn1, btn2, btn3, btn4;
TextView tvSelf;
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity main);
    btn1 = findViewById(R.id.btnIntent1);
    btn2 = findViewById(R.id.btnIntent2);
    btn3 = findViewById(R.id.btnIntent3);
    btn4 = findViewById(R.id.btnIntent4);
    tvSelf = findViewById(R.id.tvSelf);
    btn1.setOnClickListener((v) → {
            Intent i = new Intent(getApplicationContext(), IntentBiasa.class);
            startActivity(i);
    });
    btn2.setOnClickListener((v) -> {
            EditText editText = findViewById(R.id.editText);
            String message = editText.getText().toString();
            Intent i = new Intent(getApplicationContext(), IntentKirimText.class);
            i.putExtra( name: "EXTRA MESSAGE", message);
            startActivity(i);
    });
    btn3.setOnClickListener((v) -> {
            //Parsing data menggunakan Serializable
            Alamat alm = new Alamat ( nama: "Septa Hoga Samara", jk: "Ngalam", nim: "0812507099");
            Intent i = new Intent(getApplicationContext(), IntentSendObject.class);
            i.putExtra( name: "Extra",alm);
            startActivity(i);
    });
    btn4.setOnClickListener((v) → { tvSelf.setText("Septa Hoga Samara"); });
```

Activity_Main.xml

Hasil

