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Tugas modul 3

1. **Script java**

```java
2. package com.example.modul3;

   import android.app.AlertDialog;
   import android.content.DialogInterface;
   import android.os.Bundle;
   import android.text.Editable;
   import android.text.TextWatcher;
   import android.view.View;
   import android.widget.ArrayAdapter;
   import android.widget.AutoCompleteTextView;
   import android.widget.EditText;
   import android.graphics.Color;

   import androidx.appcompat.app.AppCompatActivity;

   public class MainActivity extends AppCompatActivity implements
   TextWatcher {
       AutoCompleteTextView ac;
       public String[] stringdatafak = {"Teknik Informatika",
   "Sistem Informasi", "Desain Komunikasi Visual", "Manajemen
   Informatika"};
       EditText lv;

       @Override
       public void onCreate(Bundle savedInstanceState) {
           super.onCreate(savedInstanceState);
           setContentView(R.layout.activity_main);
           ac = (AutoCompleteTextView)
   findViewById(R.id.dataautocomplete);
           ac.addTextChangedListener(this);
           ac.setAdapter(new ArrayAdapter<String>(this,
                   android.R.layout.simple_dropdown_item_1line,
   stringdatafak));
       }

       protected void onPause() {
           super.onPause();
           // Change background color when app goes to the
   background

   getWindow().getDecorView().setBackgroundColor(Color.BLUE); //
   Change to any color you desire
       }

       public void pilihfakultas(View v) {
           lv = (EditText)
                   findViewById(R.id.datalistview);
           AlertDialog.Builder builder = new
```

```java
    AlertDialog.Builder(this);
        builder.setTitle("Data Program Studi di Fakultas Ilmu
Komputeer Universitas Kuningan");
        builder.setItems(stringdatafak, new
DialogInterface.OnClickListener() {
            public void onClick(DialogInterface dialog, int
item) {
                lv.setText(stringdatafak[item]);
                dialog.dismiss();
            }
        }).show();
    }

    public void onTextChanged(CharSequence s, int start, int
before, int count) {
    }

    public void beforeTextChanged(CharSequence s, int start, int
count, int after) {
    }

    public void afterTextChanged(Editable s) {
    }
}
```

2. Script xml :

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
android:layout_height="fill_parent"
    android:orientation="vertical">
    <AutoCompleteTextView
        android:id="@+id/dataautocomplete"
        android:padding="20dp"
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:completionThreshold="3"
        android:hint="AutoComplete - Ketikkan nama fakultas" />
    <EditText android:id="@+id/datalistview"
        android:padding="20dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:onClick="pilihfakultas"
        android:focusableInTouchMode="false"
        android:hint="ListView - Klik dan pilih nama program studi"
        />
</LinearLayout>
```