$Mata\ Kuliah\ : Pemgraman\ Mobile-TI-S1$

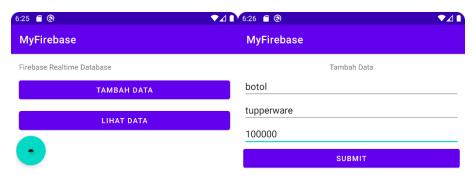
Pertemuan : Minggu 12

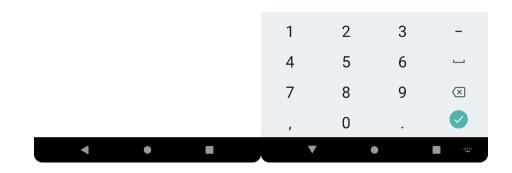
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Nama : Ainindzi Nur Meiza Pudjianto

buat Aplikasi CRUD FirebaseKu dengan nama tabel barang

Hasil Program:







Source Code:

Barang.java

```
package com.example.myfirebase;
import com.google.firebase.database.IgnoreExtraProperties;
import java.io.Serializable;
@IgnoreExtraProperties

public class Barang implements Serializable{
    private String nama;
    private String merk;
    private String harga;
    private String key;
    public Barang() {
        return key;
    }
    public void setKey(String key) {
        this.key = key;
    }
}
```

FireBaseDBCreate.java

```
import android.app.Activity;
import android.content.Context;
import android.content.Intent;
import android.os.Bundle;
import android.text.TextUtils;
import android.view.View;
import android.view.inputmethod.InputMethodManager;
import android.widget.Button;
import android.widget.EditText;

import androidx.annotation.Nullable;
import androidx.appcompat.app.AppCompatActivity;
import com.google.android.gms.tasks.OnSuccessListener;
import com.google.android.material.snackbar.Snackbar;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;
import com.google.firebase.Barang;
```

```
protected void onCreate(@Nullable Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        etMerk = (EditText) findViewById(R.id.et merkbarang);
            @Override
                if(!isEmpty(etNama.getText().toString()) &&
                        !isEmpty(etMerk.getText().toString()) &&
                        !isEmpty(etHarga.getText().toString()))
                    submitBarang(new Barang(etNama.getText().toString(),
etMerk.getText().toString(), etHarga.getText().toString()));
                    Snackbar.make(findViewById(R.id.bt submit), "Data barang
    private void updateBarang(Barang barang) {
    private void submitBarang(Barang barang) {
                        Snackbar.make(findViewById(R.id.bt submit), "Data
```

GetFirebaseActivity.java

```
import android.os.Parcelable;
import com.google.firebase.database.Query;
ArrayList<HashMap<String, String>>();
    protected void onCreate(Bundle savedInstanceState) {
        listView = findViewById(R.id.listview);
        btnBack.setOnClickListener(new View.OnClickListener() {
```

```
onBackPressed();
        getDataValue();
    public void getDataValue() {
        list = new ArrayList<HashMap<String,
String>>(); rootRef.child("barang").addListenerForSingleValueEvent(new
ValueEventListener() {
            public void onDataChange(DataSnapshot dataSnapshot) {
                    String nama = (String) snapshot.child("nama").getValue();
                listView.onRestoreInstanceState(state);
            public void onCancelled(DatabaseError databaseError) {
```

```
final TextView textNama = vi.findViewById(R.id.textNama);
        final TextView textMerk = vi.findViewById(R.id.textMerk);
        textNama.setText(strTextNama);
        textMerk.setText(strTextMerk);
       harga.setText(strHarga);
            @Override
               Delete(strKey);
public void Delete(String keyID) {
    Query applesQuery = demoRef.child(keyID);
   applesQuery.addListenerForSingleValueEvent(new ValueEventListener() {
                    dataSnapshot.getChildren()) {
            getDataValue();
        @Override
```

MainActivity.java

```
package com.example.myfirebase;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
```

```
import android.widget.Button;
   protected void onCreate(@Nullable Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
startActivity(FireBaseDBCreate.getActIntent(MainActivity.this));
        btViewDB.setOnClickListener(new View.OnClickListener() {
```

Activity_fire_base_dbcreate.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
   xmlns:android="http://schemas.android.com/apk/res/android"
   android:layout_width="match_parent"
   android:layout_height="match_parent"
   android:layout_gravity="center_horizontal"
   android:gravity="center_horizontal"
   android:orientation="vertical"
   android:padding="10dp">
   <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_margin="5dp"
        android:text="Tambah_Data" />
   <EditText
        android:id="@+id/et_namabarang"
        android:layout_width="match_parent"</pre>
```

```
android:layout_height="wrap_content"
android:hint="Nama Barang"
android:inputType="text" />
<EditText
android:id="@+id/et_merkbarang"
android:layout_width="match_parent"
android:hint="Merek Barang"
android:layout_height="wrap_content" />
<EditText
android:id="@+id/et_hargabarang"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:hint="Harga Barang"
android:hint="Harga Barang"
android:inputType="number" />
<Button
android:id="@+id/bt_submit"
android:layout_width="match_parent"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:text="Submit" />
</LinearLayout>
```

Activity_get_firebase.xml

```
android:layout_below="@id/title"
    android:layout_width="match_parent"
    android:layout_height="wrap_content">
    </ListView>
</RelativeLayout>
```

Activity_main.xml

```
<LinearLayout
    <TextView
        android:layout margin="5dp"
        android:layout alignParentBottom="true"
</LinearLayout>
```

List_item.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
   xmlns:android="http://schemas.android.com/apk/res/android"
   xmlns:tools="http://schemas.android.com/tools"
   android:id="@+id/item"
   android:layout_width="match_parent"
   android:layout_height="wrap_content"</pre>
```

```
<LinearLayout
    <RelativeLayout
            android:text="1." />
        <RelativeLayout
            <TextView
                android:text="nama"
```