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Tugas Internal Data Storage :

1. Kode

a. Tampilan Kode MainActivity

```
package com.example.internaldatastorage;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import java.io.BufferedReader;
import java.io.FileInputStream;
import java.io.FileNotFoundException;
import java.io.FileOutputStream;
import java.io.IOException;
import java.io.InputStreamReader;
import java.nio.charset.StandardCharsets;

public class MainActivity extends AppCompatActivity {

    private static final String NAMA_FILE="contoh.txt";

    Button simpanBtn, loadBtn;
    EditText TextEdt;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        simpanBtn=(Button) findViewById(R.id.btnSimpan);
        loadBtn=(Button) findViewById(R.id.btnAmbil);
        TextEdt=(EditText) findViewById(R.id.edtInput);

        simpanBtn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Simpan();
            }
        });

        loadBtn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Load();
            }
        });
    }
}
```

```

public void Simpan(){
    String text=TextEdt.getText().toString();
    FileOutputStream fos=null;

    try {
        fos= openFileOutput(NAMA_FILE,MODE_PRIVATE);
        fos.write(text.getBytes());

        TextEdt.getText().clear();
        Toast.makeText(this,"Data Tersimpan Pada
File"+getFilesDir()+"/"+NAMA_FILE,Toast.LENGTH_LONG).show();
    } catch (FileNotFoundException e){
        e.printStackTrace();
    } catch (IOException e){
        e.printStackTrace();
    }finally {
        if (fos != null){
            try {
                fos.close();
            }catch (IOException e){
                e.printStackTrace();
            }
        }
    }
}

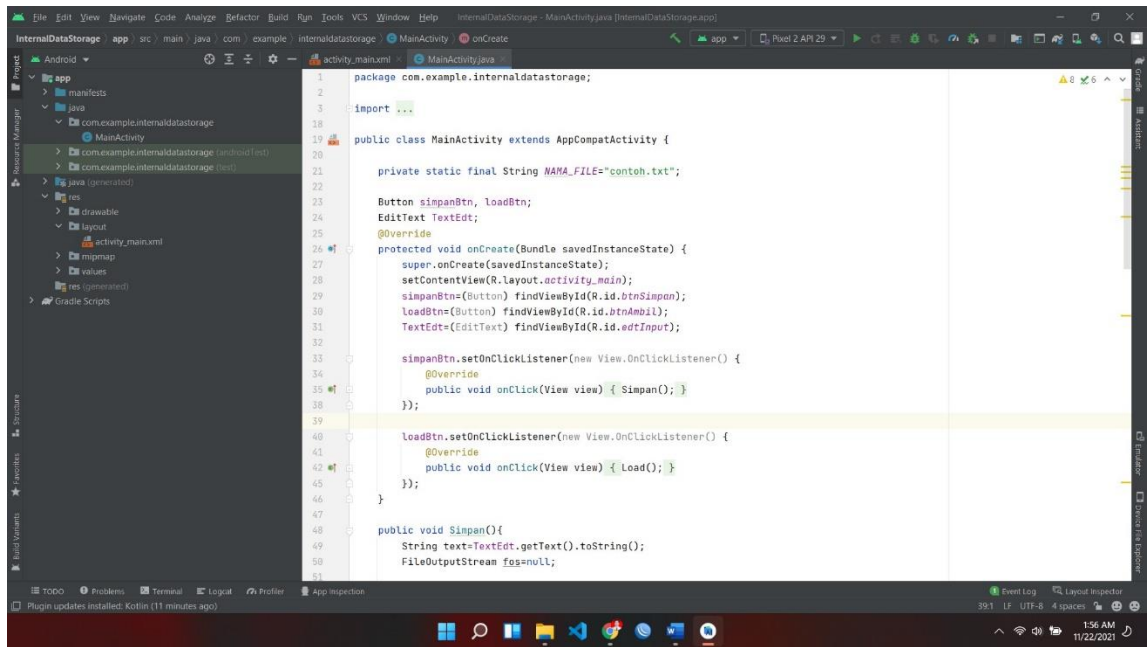
public void Load(){
    FileInputStream fis = null;
    try {
        fis =openFileInput(NAMA_FILE);
        InputStreamReader is = new InputStreamReader(fis);
        BufferedReader br = new BufferedReader(is);

        StringBuilder sb = new StringBuilder();
        String text;

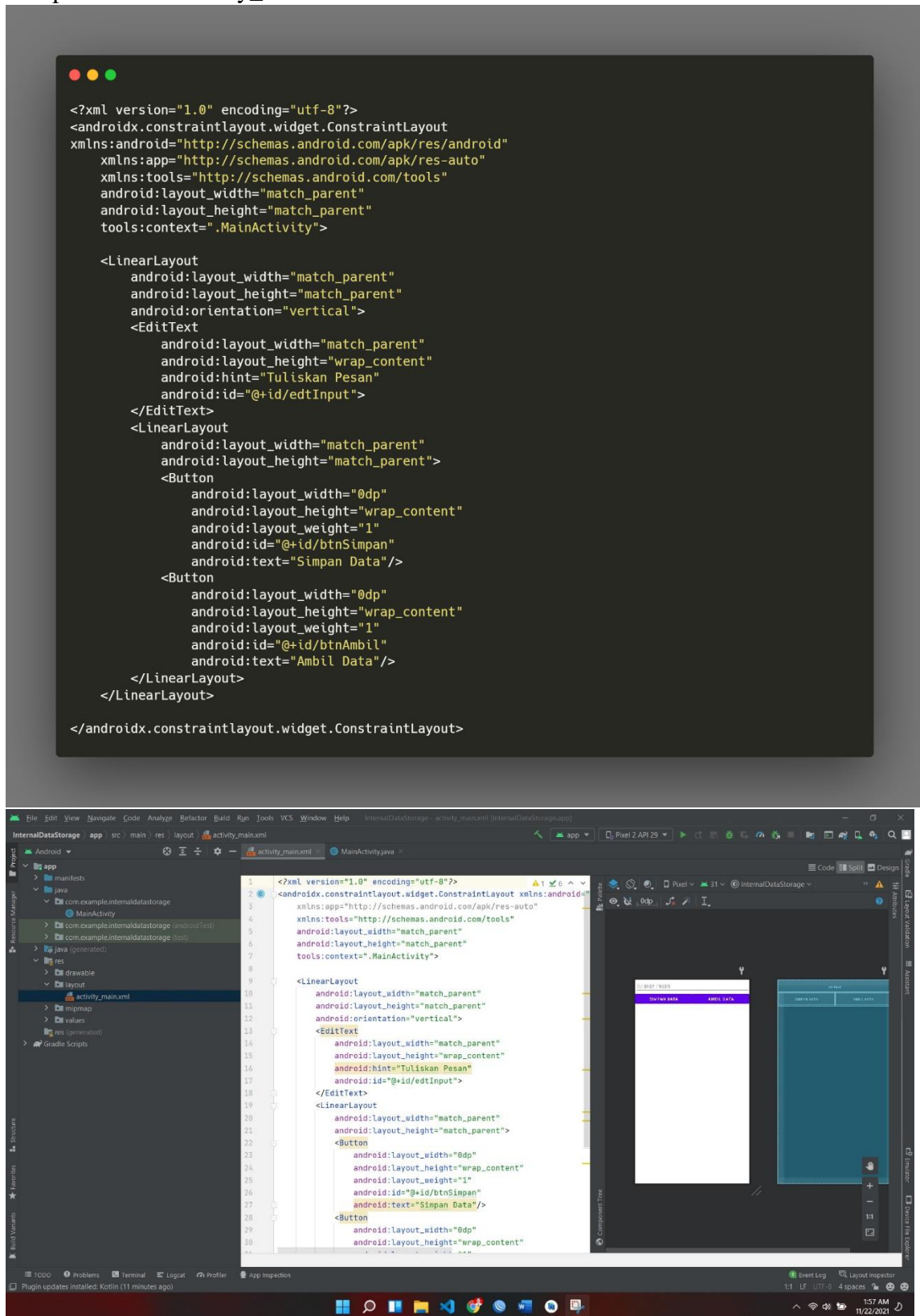
        while ((text=br.readLine()) != null){
            sb.append(text).append("\n");
        }

        TextEdt.setText(sb.toString());
    } catch (FileNotFoundException e) {
        e.printStackTrace();
    } catch (IOException e){
        e.printStackTrace();
    }finally {
        if (fis != null){
            try {
                fis.close();
            } catch (IOException e) {
                e.printStackTrace();
            }
        }
    }
}
}

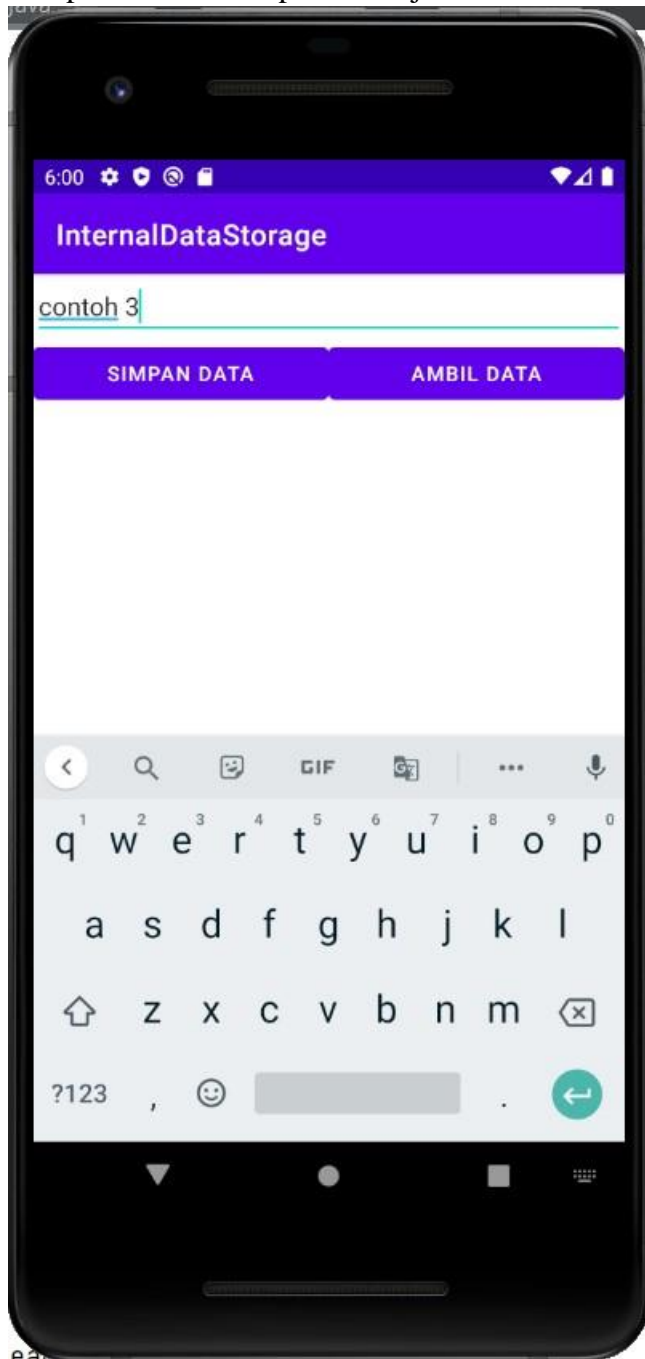
```



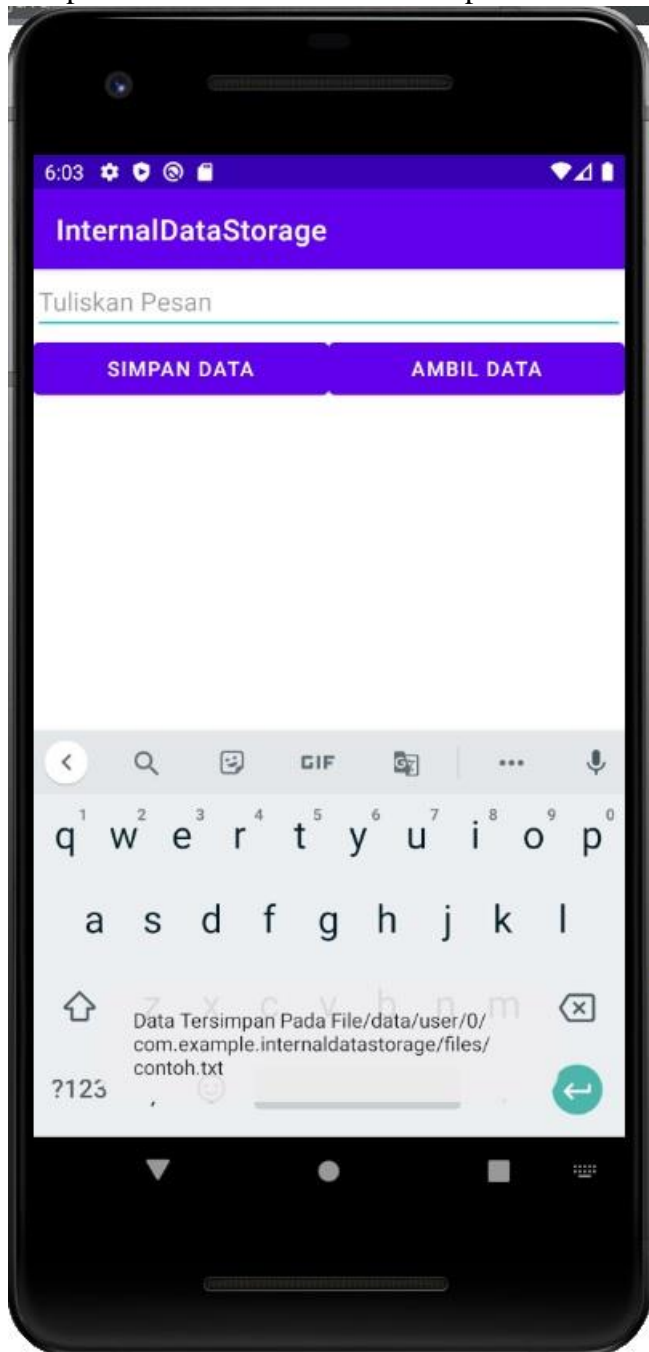
b. Tampilan Kode activity_main.xml



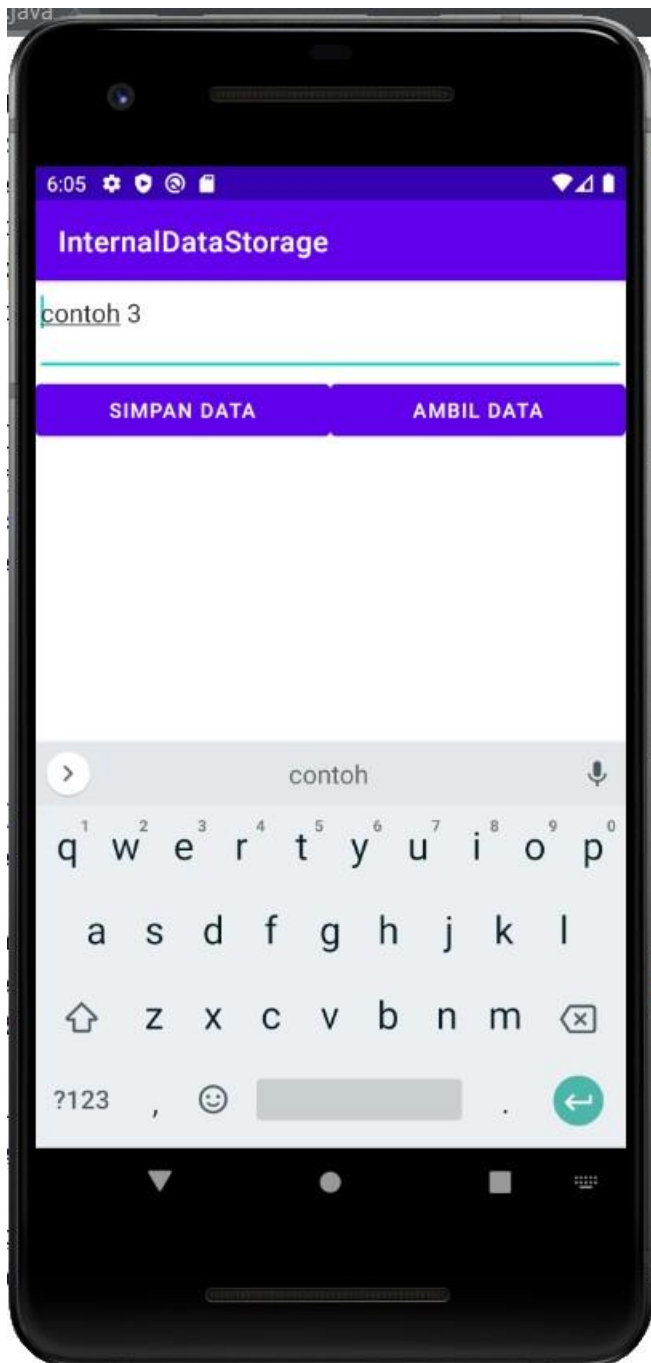
2. Hasil
 - a. Tampilan awal saat aplikasi berjalan



- b. Tampilan saat menekan tombol simpan data



- c. Tampilan saat menekan tombol ambil data



d. Tampilan lokasi penyimpanan data yang tersimpan

