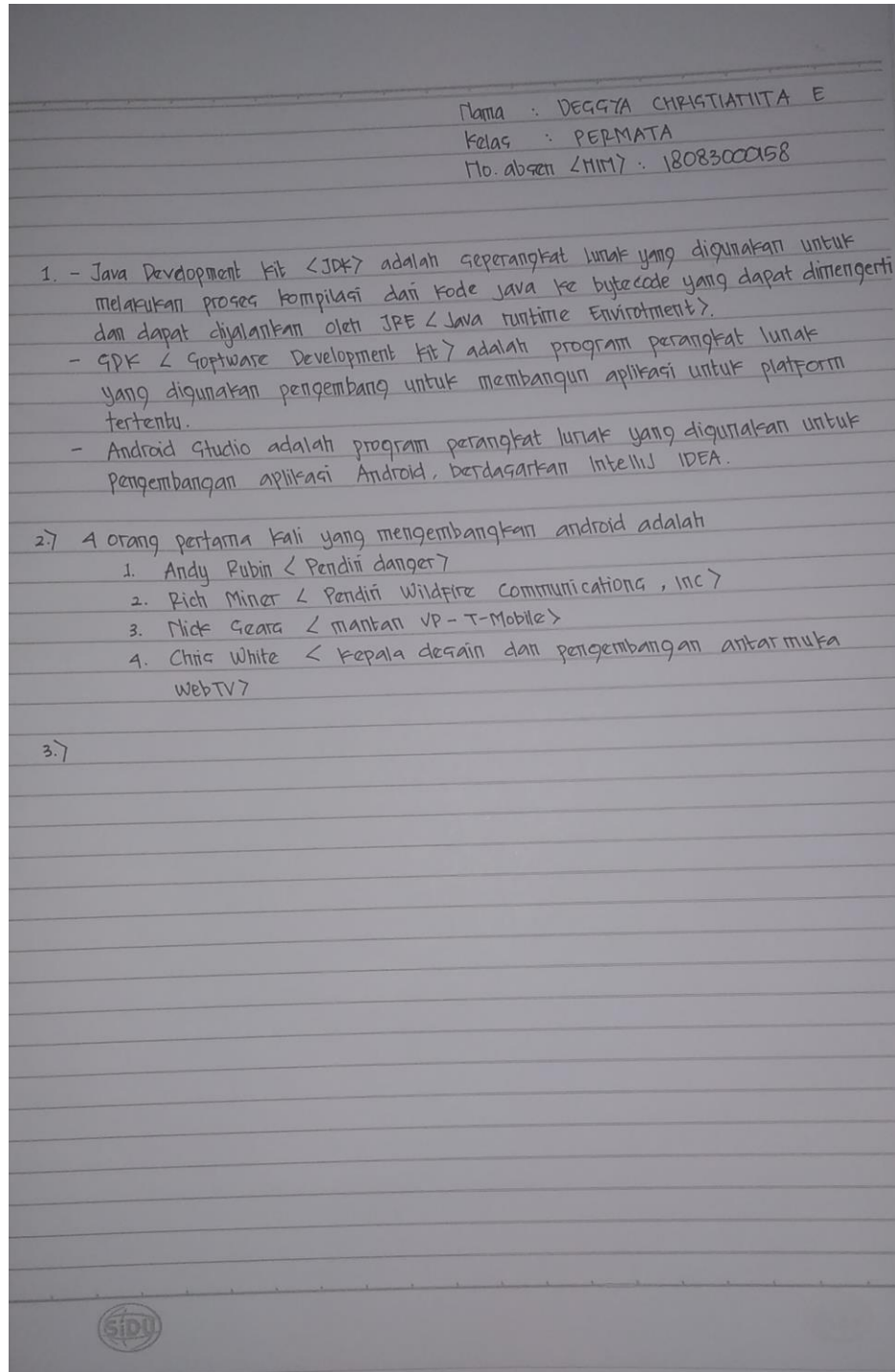


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UTS – Mobile Programming



3.

Activity_Main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity"
    android:orientation="vertical" >

    <Button
        android:id="@+id/btntoast"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Ini Toast"
        android:textSize="20sp"
        android:gravity="center"
        android:background="@android:color/holo_orange_light"
        android:layout_marginTop="20dp"
    />

    <Button
        android:id="@+id/btnalert"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Alert"
        android:textSize="20sp"
        android:gravity="center"
        android:background="@android:color/holo_red_light"
        android:layout_marginTop="20dp"
    />
```

```
    <Button
        android:id="@+id/btnlayouting"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Layouting"
        android:textSize="20sp"
        android:gravity="center"
        android:background="@android:color/holo_green_light"
        android:layout_marginTop="20dp" />

</LinearLayout>
```

Activity_Alert.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".AlertActivity"
    android:orientation="vertical">

    <Button
        android:id="@+id/btnalert1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Alert 1"
        android:textSize="20sp"
        android:gravity="center"
        android:background="@android:color/holo_blue_dark"
        android:layout_marginTop="20dp"
    />

    <Button
        android:id="@+id/btnalert2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Alert 2"
        android:textSize="20sp"
        android:gravity="center"
        android:background="@android:color/holo_blue_dark"
        android:layout_marginTop="20dp"
    />
```

```

<Button
    android:id="@+id/btnalert3"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Alert 3"
    android:textSize="20sp"
    android:gravity="center"
    android:background="@android:color/holo_blue_dark"
    android:layout_marginTop="20dp"
/>

</LinearLayout>

```

MainActivity.java

```

package com.example.utsno4;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity implements
    View.OnClickListener {
    Button btnToast, btnAlert, btnLayouting; // variabel button
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        // Inisialisasi dari variabel ke id layout
        setContentView(R.layout.activity_main);
        btnToast = (Button) findViewById(R.id.btntoast);
        btnAlert = (Button) findViewById(R.id.btnalert); btnLayouting = (Button) findViewById(R.id.btnlayouting);
        btnToast.setOnClickListener((v) -> {
            Toast.makeText( context MainActivity.this,  text "Ini Toast",
                Toast.LENGTH_LONG).show();
        });
        btnAlert.setOnClickListener(this);
    }
    @Override
    public void onClick(View v) {
        if (v.getId() == R.id.btnalert) {
            Intent intenalert = new Intent( packageContext this, AlertActivity.class);
            startActivity(intenalert);
        } else if (v.getId() == R.id.btntoast) {

```

AlertActivity.java

```

package com.example.utsno4;

import ...

public class AlertActivity extends AppCompatActivity implements
    View.OnClickListener {
    Button btnAlert1, btnAlert2, btnAlert3; // variabel Context context = this;
    private Context context;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_alert);
        btnAlert1 = findViewById(R.id.btnalert1);
        btnAlert2 = findViewById(R.id.btnalert2);
        btnAlert3 = findViewById(R.id.btnalert3);
        btnAlert1.setOnClickListener(this);
        btnAlert2.setOnClickListener(this);
        btnAlert3.setOnClickListener(this);
    }

    @Override
    public void onClick(View v) {
        switch (v.getId()) {
            case R.id.btnalert1:
                AlertDialog.Builder builder = new
                    AlertDialog.Builder( context this);
                builder.setTitle("Maaf Halaman Ini Belum Tersedia");
                builder.setMessage("Ini Pesan");
                builder.setNeutralButton( text "Tutup", (dialog, i) -> {
                    dialog.dismiss();
                });
                builder.show();
                break;

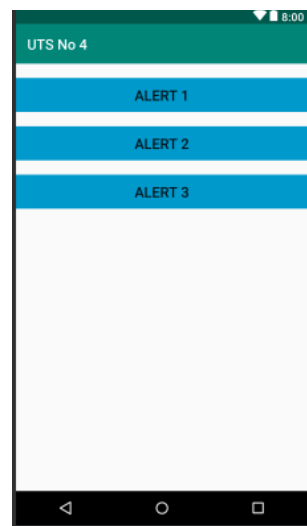
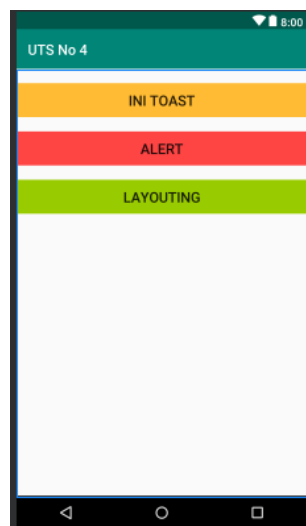
```

```

case R.id.btnalert2:
    AlertDialog.Builder builder1 = new
        AlertDialog.Builder( context: this);
    builder1.setTitle("Are You Sure Exit?");
    builder1.setMessage("Exit this");
    builder1.setPositiveButton( text: "Yes", (dialog, i) - {
        finish();
    });
    builder1.setNegativeButton( text: "No", (dialog, i) - {
        dialog.dismiss();
    });
    builder1.show();
    break;
case R.id.btnalert3:
    AlertDialog.Builder builder2 = new
        AlertDialog.Builder( context: this);
    builder2.setTitle("Warning");
    builder2.setMessage("Are You Really Sure exit??");
    builder2.setPositiveButton( text: "Yes", (dialog, i) - {
        finish();
    });
    builder2.setNegativeButton( text: "No", (dialog, i) - {
        dialog.dismiss();
    });
    builder2.setNeutralButton( text: "Cancel", (dialog, i) - {
        finish();
        Toast.makeText( context: AlertActivity.this, text: "Cancel this menu",
            Toast.LENGTH_LONG).show();
    });
    builder2.show();
    break;
} } }

```

Hasil



4. Melanjutkan no 3

Activity_Layouting.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".LayoutingActivity"
    android:layout_margin="15dp">
    <ImageView
        android:id="@+id/img_view"
        android:layout_width="150dp"
        android:layout_height="150dp"
        android:src="@drawable/test"
        android:layout_centerInParent="true"
        android:layout_above="@+id/ln_login"/>
    <LinearLayout
        android:id="@+id/ln_login"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical"
        android:layout_centerInParent="true">
        <EditText
            android:hint="username"
            android:inputType="text"
            android:id="@+id/edt_username"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"/>
```

```
        <EditText
            android:hint="password"
            android:inputType="textPassword"
            android:id="@+id/edt_password"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"/>
    </LinearLayout>
    <LinearLayout
        android:layout_alignParentBottom="true"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical">
        <Button
            android:id="@+id/btn_login"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:background="@color/colorPrimary"
            android:text="login"
            android:textSize="25sp"
            android:textAllCaps="false"
            android:textColor="@android:color/white"/>
        <TextView
            android:id="@+id/tv_register"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="register"
            android:textAlignment="center"/>
    </LinearLayout>
</RelativeLayout>
```

Activity_Home.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".HomeActivity"
    android:orientation="vertical"
    android:layout_margin="20dp">

    <ImageView
        android:id="@+id/img_view"
        android:layout_width="150dp"
        android:layout_height="150dp"
        android:layout_above="@+id/btn_logout"
        android:layout_centerHorizontal="true"
        android:layout_marginBottom="-45dp"
        android:src="@drawable/test" />

    <TextView
        android:id="@+id/tv_homeusername"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_centerInParent="true"/>
```

```
<Button
    android:id="@+id/btn_logout"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:background="@color/colorPrimary"
    android:text="Logout"
    android:layout_marginTop="20dp"
    android:layout_below="@+id/tv_homeusername"
    android:textColor="@android:color/white"/>
/RelativeLayout>
```

LayoutingActivity.java

```
package com.example.utsno4;

import ...

public class LayoutingActivity extends AppCompatActivity implements
    View.OnClickListener {
    //TODO membuat variabel
    Button btnLogin;
    EditText edtUsername, edtPassword;
    TextView tvRegister;
    @Override
    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_layouting);
        // TODO Inisialisasi variabel dengan id yang ada di activity_layouting.xml
        btnLogin = findViewById(R.id.btn_login);
        edtPassword = findViewById(R.id.edt_password);
        edtUsername = findViewById(R.id.edt_username);
        tvRegister = findViewById(R.id.tv_register);
        //TODO handling halaman
        btnLogin.setOnClickListener(this);
        tvRegister.setOnClickListener(this);
    }
    @Override
    public void onClick(View v) {
        switch (v.getId()) {
            case R.id.btn_login:
                // TODO Here to Handling Login
                String username = edtUsername.getText().toString();
                String password = edtPassword.getText().toString();
                // TODO membuat kondisi error bila username dan pass harus di isi lebih dari 6 karakter huruf
                if(username.length() < 8 ){
```

```

        edtUsername.setError("Username Harus Lebih dari 8 Character");
    } else if (password.length() < 8 ){
        edtPassword.setError("Password Harus Lebih dari 8 Character");
    }else{
        // // TODO membuat kondisi jika username dan pass sesuai maka akan menuju kepada halaman home
        Intent intenHome = new Intent( packageContext: LayoutingActivity.this,
            HomeActivity.class);
        intenHome.putExtra( name: "USERNAME", username);
        startActivityForResult(intenHome, requestCode: 2);
        // TODO intenHome adalah variabel untuk handling pindah halaman
    }
    break;
    case R.id.tv_register:
    // Here to Handling register
    break;
}
}
// TODO menampilkan TOAST dari HomeActivity
@Override
protected void onActivityResult(int requestCode, int resultCode,
    @Nullable Intent data) {
    super.onActivityResult(requestCode, resultCode, data);
    if (requestCode == 2){
        if (resultCode == RESULT_OK){
            String result = data.getStringExtra( name: "key_logout");
            Toast.makeText( context: this, result, Toast.LENGTH_SHORT).show();
            //TODO membuat password
            edtPassword.setText("");
            edtUsername.setText("");
        }
    }
}
}

```

HomeActiviy.java

```

package com.example.utsno4;

import ...

public class HomeActivity extends AppCompatActivity {
    // TODO membuat variabel
    Button btnLogout;
    TextView tvUsername;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_home);
        btnLogout = findViewById(R.id.btn_logout);
        tvUsername =findViewById(R.id.tv_homeusername);
        String usernameText =
            getIntent().getStringExtra( name: "USERNAME");
        tvUsername.setText(usernameText);
        // TODO Mengirim data ke LayoutActivity dengan menggunakan activityforresult
        btnLogout.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                AlertDialog.Builder dialog = new
                    AlertDialog.Builder( context: HomeActivity.this);
                //set dialog
                dialog.setTitle("Logout");
                // set pesan dialog
                dialog.setMessage("Klik Yes untuk keluar!")
                    .setIcon(R.drawable.test)
                    .setCancelable(true) //klik diluar alert maka ke cancel
                    .setNegativeButton( text: "Cancel", new
                        DialogInterface.OnClickListener() {
                            @Override

```

```

        public void onClick(DialogInterface
                                dialog, int which) {
            dialog.dismiss();
        }
    }
}

// TODO menampilkan toast yang akan di tampilkan di layoutActivity
.setPositiveButton(text: "Yes", new
    DialogInterface.OnClickListener() {
        @Override
        public void onClick(DialogInterface
                                dialog, int which) {
            Intent data = new Intent();
            data.putExtra( name: "key_logout", value: "Anda Telah Logout, Silahkan Logout Lagi");
            setResult(Activity.RESULT_OK, data);
            finish();
        }
    });
dialog.show();
});
}
}

```

MainActivity.java

```

    }
    @Override
    public void onClick(View v) {
        if (v.getId() == R.id.btnalert) {
            Intent intenalert = new Intent( packageContext: this, AlertActivity.class);
            startActivity(intenalert);
        } else if (v.getId() == R.id.btntoast) {
        } else{
            Intent intenlogin = new Intent( packageContext: this, LayoutingActivity.class);
            startActivity(intenlogin);
        }
    }
}

```

Hasil

