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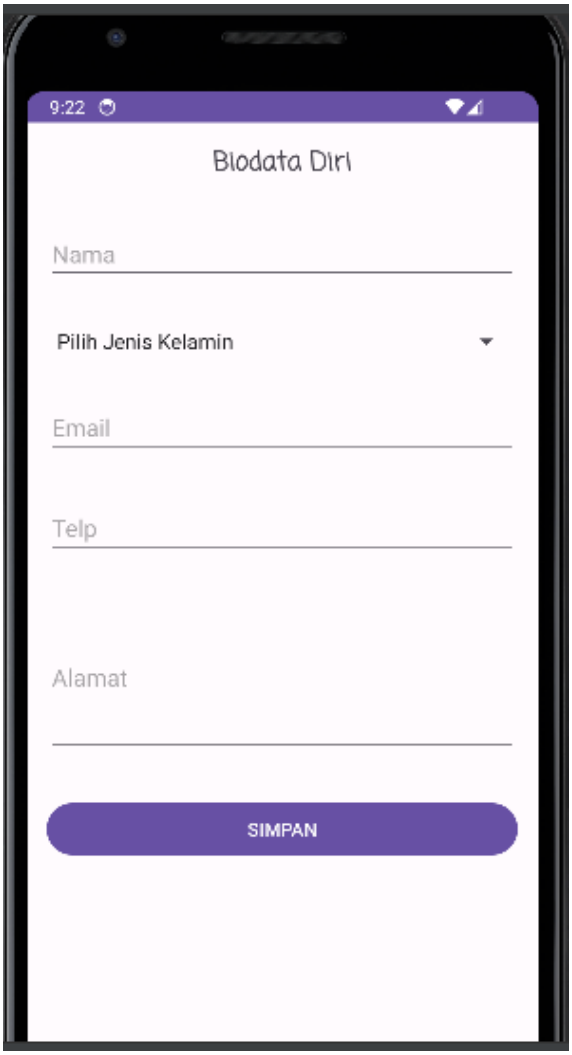
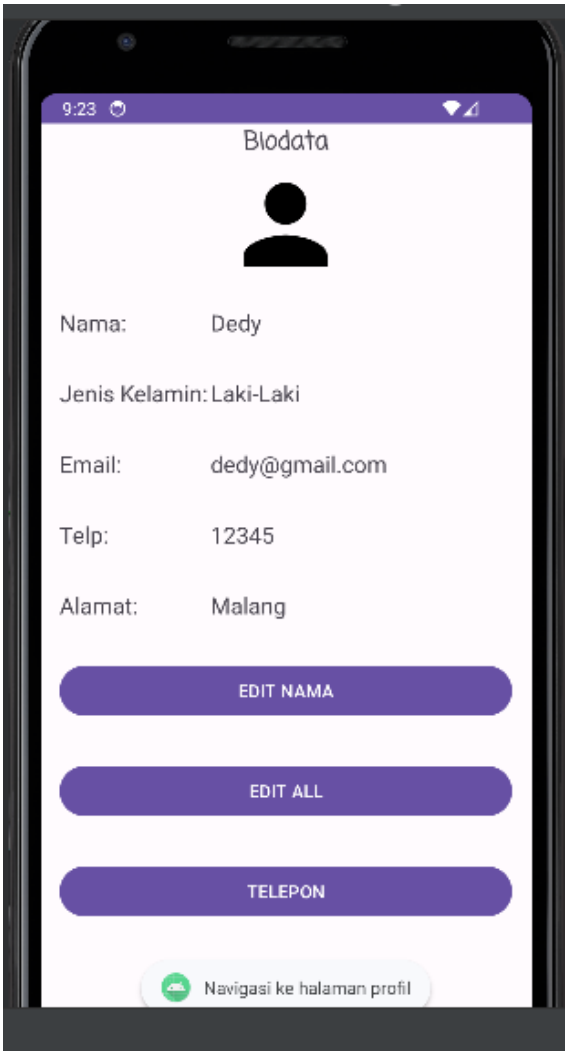
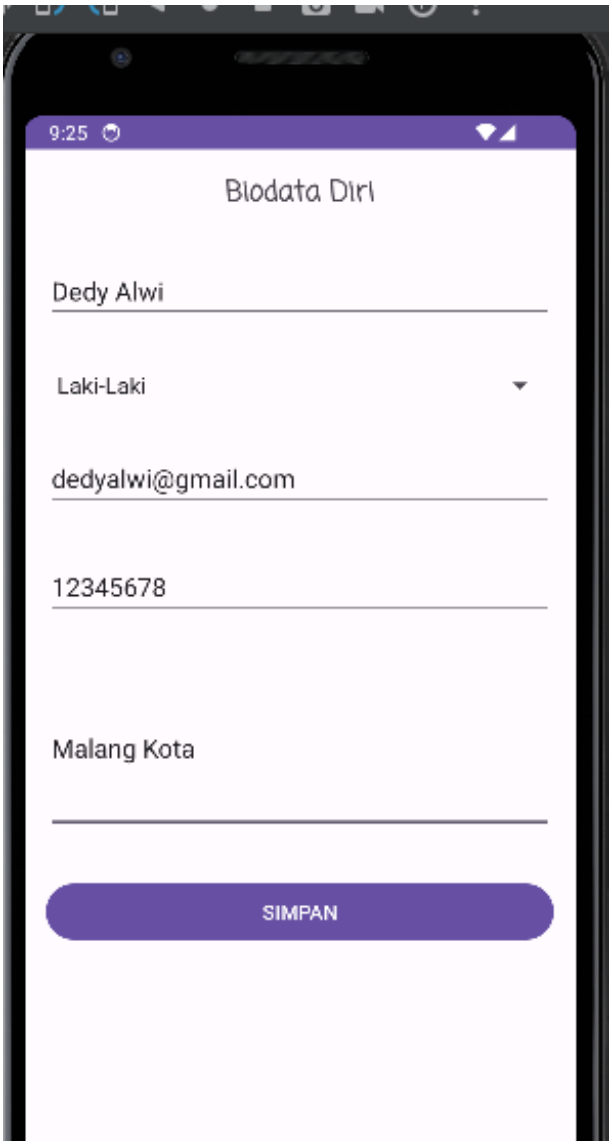
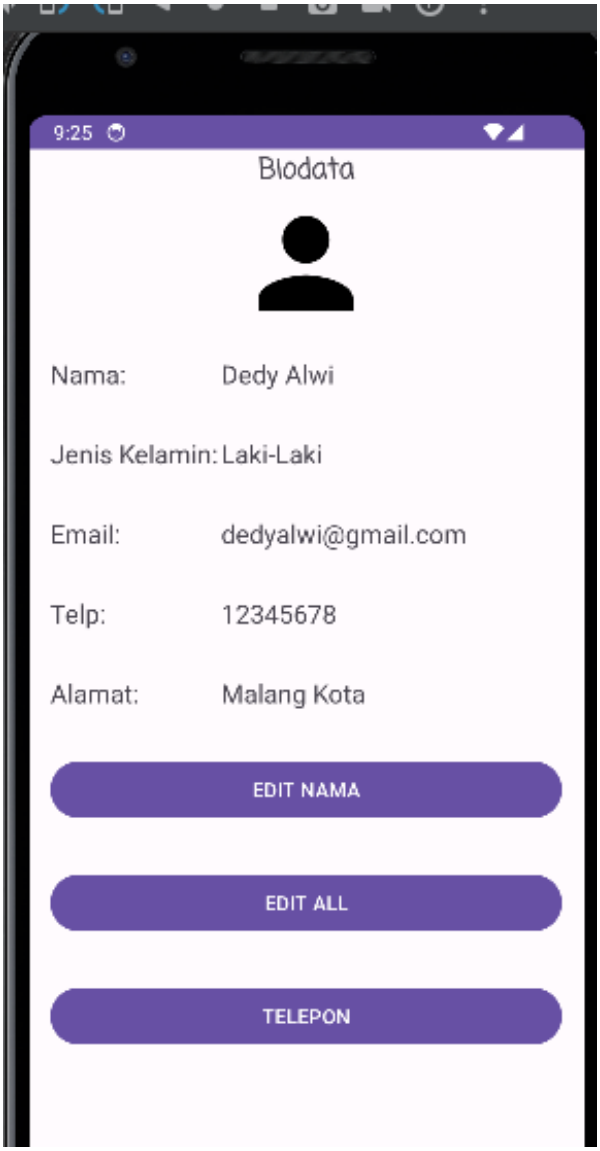
MK : UAS Praktikum Pemrograman Piranti Bergerak 1

Tampilan









Kode Program

Activity_Main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView
    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">
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical"
```

```
        tools:context=".MainActivity">
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Biodata Diri"
            android:layout_gravity="center_horizontal"
            android:layout_margin="16dp"
            android:fontFamily="casual"
            android:textSize="20sp"
            android:textStyle="bold"/>
        <EditText
            android:id="@+id/edtName"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:hint="Nama"
            android:layout_margin="16dp"/>
        <Spinner
            android:id="@+id/spinnerGender"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_margin="16dp"
            android:entries="@array/jenis_kelamin"/>
        <EditText
            android:id ="@+id/edtEmail"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:hint="Email"
            android:layout_margin="16dp"/>
        <EditText
            android:id="@+id/edtTelp"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:hint="Telp"
            android:layout_margin="16dp"
            android:inputType="phone"/>
        <EditText
            android:id="@+id/edtAddress"
            android:layout_width="match_parent"
            android:layout_height="120dp"
            android:hint="Alamat"
            android:layout_margin="16dp"
            android:inputType="textMultiLine"/>
        <Button
            android:id="@+id/btnSave"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="SIMPAN"
            android:layout_margin="16dp"/>
    </LinearLayout>
</ScrollView>
```

MainActivity.kt

```
package com.dedyalwi.biodatadiri

import android.content.Intent
```

```
import android.os.Bundle
import android.widget.ArrayAdapter
import android.widget.Toast
import androidx.appcompat.app.AppCompatActivity
import com.dedyalwi.biodatadiri.databinding.ActivityMainBinding

class MainActivity : AppCompatActivity() {
    private lateinit var mainBinding : ActivityMainBinding
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        mainBinding = ActivityMainBinding.inflate(layoutInflater)
        setContentView(mainBinding.root)
        setDataSpinnerGender()
        mainBinding.btnSave.setOnClickListener{ validasiInput() }
    }
    private fun goToProfilActivity() {
        val intent = Intent(this, ProfilActivity::class.java)
        val bundle = Bundle()
        bundle.putString("nama", namaInput)
        bundle.putString("gender", genderInput)
        bundle.putString("email", emailInput)
        bundle.putString("telp", telpInput)
        bundle.putString("alamat", alamatInput)
        intent.putExtras(bundle)
        startActivity(intent)
    }
    private var namaInput : String = ""
    private var emailInput : String = ""
    private var telpInput : String = ""
    private var alamatInput : String = ""
    private var genderInput : String = ""
    private fun validasiInput(){
        namaInput = mainBinding.edtName.text.toString()
        emailInput = mainBinding.edtEmail.text.toString()
        telpInput = mainBinding.edtTelp.text.toString()
        alamatInput = mainBinding.edtAddress.text.toString()
        genderInput = mainBinding.spinnerGender.selectedItem.toString()
        when{
            namaInput.isEmpty() -> mainBinding.edtName.error = "Nama tidak
boleh kosong"
                genderInput.equals("Pilih Jenis Kelamin", ignoreCase = true)
            -> tampilToast("Jenis Kelamin harus dipilih")
            emailInput.isEmpty() -> mainBinding.edtEmail.error = "Email tidak
boleh kosong"
                telpInput.isEmpty() -> mainBinding.edtTelp.error = "Telp
tidak boleh kosong"
                alamatInput.isEmpty() -> mainBinding.edtAddress.error =
            "Alamat tidak boleh kosong" else -> {
            tampilToast("Navigasi ke halaman profil")
            goToProfilActivity()
        }
        }
    }
    private fun tampilToast(message: String) {
        Toast.makeText(this, message, Toast.LENGTH_SHORT).show()
    }
    private fun setDataSpinnerGender(){
```

```
        val adapter = ArrayAdapter.createFromResource(this,
            R.array.jenis_kelamin, android.R.layout.simple_spinner_item)

adapter.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item
)
        mainBinding.spinnerGender.adapter = adapter
    }
}
```

activity_profil.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView
    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">
    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        tools:context=".ProfilActivity">
        <TextView
            android:id="@+id/tv_biodata"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Biodata"
            android:layout_alignParentStart="true"
            android:gravity="center_horizontal"
            android:textSize="20sp"
            android:fontFamily="casual"
            android:textStyle="bold"/>
        <ImageView
            android:id="@+id/iv_foto"
            android:layout_width="100dp"
            android:layout_height="100dp"
            android:src="@drawable/ic_person"
            android:layout_below="@id/tv_biodata"
            android:layout_centerHorizontal="true"/>
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="vertical"
            android:layout_below="@id/iv_foto">
            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_margin="16dp"
                android:orientation="horizontal">
                <TextView
                    android:layout_width="match_parent"
                    android:layout_height="wrap_content"
                    android:layout_weight="2"
                    android:textSize="18sp"
                    android:text="Nama:"/>
                <TextView
                    android:id="@+id/txtName"
```

```
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_weight="1"
                android:textSize="18sp"
                android:text="dummy text name"/>
        </LinearLayout>
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_margin="16dp"
            android:orientation="horizontal">
            <TextView
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_weight="2" android:textSize="18sp"
                android:text="Jenis Kelamin:"/>
            <TextView
                android:id="@+id/txtGender"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_weight="1"
                android:textSize="18sp"
                android:text="laki-laki"/>
        </LinearLayout>
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_margin="16dp"
            android:orientation="horizontal">
            <TextView
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_weight="2"
                android:textSize="18sp"
                android:text="Email:"/>
            <TextView
                android:id="@+id/txtEmail"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_weight="1"
                android:textSize="18sp"
                android:text="dummy@gmail.com"/>
        </LinearLayout>
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_margin="16dp"
            android:orientation="horizontal">
            <TextView
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_weight="2"
                android:textSize="18sp"
                android:text="Telp:"/>
            <TextView
                android:id="@+id/txtTelp"
                android:layout_width="match_parent"
```

```
                    android:layout_height="wrap_content"
                    android:layout_weight="1"
                    android:textSize="18sp"
                    android:text="085123123123"/>
            </LinearLayout>
            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_margin="16dp"
                android:orientation="horizontal"><TextView
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_weight="2"
                android:textSize="18sp"
                android:text="Alamat:"/>
                <TextView
                    android:id="@+id/txtAddress"
                    android:layout_width="match_parent"
                    android:layout_height="wrap_content"
                    android:layout_weight="1"
                    android:textSize="18sp"
                    android:text="Malang, Indonesia"/>
            </LinearLayout>
            <Button
                android:id="@+id/btnEditName"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_margin="16dp"
                android:text="EDIT NAMA"/>
            <Button
                android:id="@+id/btnEditAll"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_margin="16dp"
                android:text="EDIT ALL"/>
            <Button
                android:id="@+id/btnCall"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_margin="16dp"
                android:text="TELEPON"/>
        </LinearLayout>
    </RelativeLayout>
</ScrollView>
```

ProfilActivity.kt

```
package com.dedyalwi.biodatadiri

import android.app.Activity
import android.content.Intent
import android.net.Uri
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.widget.Toast
import androidx.activity.result.contract.ActivityResultContracts
```

```
import com.dedyalwi.biodatadiri.databinding.ActivityProfilBinding

class ProfilActivity : AppCompatActivity() {
    private lateinit var profilBinding : ActivityProfilBinding
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        profilBinding = ActivityProfilBinding.inflate(layoutInflater)
        setContentView(profilBinding.root)
        ambilData()
        profilBinding.btnEditName.setOnClickListener {
            navigasiKeEditProfil() }
        profilBinding.btnEditAll.setOnClickListener{
            navigasiKeEditAll() }
        profilBinding.btnCall.setOnClickListener {
            dialPhoneNumber(profilBinding.txtTelp.text.toString()) }
    }
    private fun ambilData() {
        val bundle = intent.extras
        val nama = bundle?.getString("nama")
        val gender = bundle?.getString("gender")
        val email = bundle?.getString("email")
        val telp = bundle?.getString("telp")
        val alamat = bundle?.getString("alamat")
        profilBinding.txtName.text = nama
        profilBinding.txtGender.text = gender
        profilBinding.txtEmail.text = email
        profilBinding.txtTelp.text = telp
        profilBinding.txtAddress.text = alamat
    }
    companion object {
        val REQUEST_CODE = 100
    }
    private fun navigasiKeEditProfil() {
        val intent = Intent(this, EditProfilActivity::class.java)
        val namaUser = profilBinding.txtName.text.toString()
        intent.putExtra("nama", namaUser)
        startActivityForResult(intent, REQUEST_CODE)
    }
    private fun navigasiKeEditAll() {
        val intent = Intent(this, EditAllActivity::class.java)
        val namaUser = profilBinding.txtName.text.toString()
        val emailUser = profilBinding.txtEmail.text.toString()
        val telpUser = profilBinding.txtTelp.text.toString()
        val alamatUser = profilBinding.txtAddress.text.toString()
        intent.putExtra("nama", namaUser)
        intent.putExtra("email", emailUser)
        intent.putExtra("telp", telpUser)
        intent.putExtra("alamat", alamatUser)
        startActivityForResult(intent, REQUEST_CODE)
    }
    override fun onActivityResult(requestCode: Int, resultCode: Int,
                                  data: Intent?) {
        super.onActivityResult(requestCode, resultCode, data)
        if (requestCode == REQUEST_CODE){
            if (resultCode == Activity.RESULT_OK) {
                val result = data?.getStringExtra("nama")
                val result2 = data?.getStringExtra("email")
```

```
                val result3 = data?.getStringExtra("telp")
                val result4 = data?.getStringExtra("alamat")
                profilBinding.txtName.text = result
                profilBinding.txtEmail.text = result2
                profilBinding.txtTelp.text = result3
                profilBinding.txtAddress.text = result4
            }else{
                Toast.makeText(this, "Edit failed",
                    Toast.LENGTH_SHORT).show()}
        }
    }
    private fun dialPhoneNumber(phoneNumber: String) {
        val intent = Intent(Intent.ACTION_DIAL).apply {
            data = Uri.parse("tel:$phoneNumber")
        }
        if (intent.resolveActivity(packageManager) != null) {
            startActivity(intent)
        }
    }
}
```

activity_edit_profil.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"
    android:orientation="vertical"
    tools:context=".EditProfilActivity">
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="16dp"
        android:gravity="center_horizontal"
        android:text="Edit Profil"/>
    <EditText
        android:id="@+id/edtProfilName"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="16dp"
        android:hint="Nama"/>
    <Button
        android:id="@+id/btnEditSave"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="16dp"
        android:text="SIMPAN"/>
</LinearLayout>
```

EditProfilActivity.kt

```
package com.dedyalwi.biodatadiri
```

```
import android.app.Activity
import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import com.dedyalwi.biodatadiri.databinding.ActivityEditProfilBinding

class EditProfilActivity : AppCompatActivity() {
    private lateinit var editBinding : ActivityEditProfilBinding
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        editBinding = ActivityEditProfilBinding.inflate(layoutInflater)
        setContentView(editBinding.root)
//menerima data yang dikirimkan dari ProfilActivity.kt
        val intentData = intent.extras
        val namaUser = intentData?.getString("nama")
//set edittext dengan data yang dikirimkan tadi
        editBinding.edtProfilName.setText(namaUser)
//memberikan action click ke tombol Simpan
        editBinding.btnEditSave.setOnClickListener { saveData() }
    }
    private fun saveData() {
        val namaEdit = editBinding.edtProfilName.text.toString()
        if (!namaEdit.isEmpty()) {
//jika editText namaEdit tidak kosong, maka kirimkan value nya ke
ProfilActivity, dan beri tanda RESULT_OK
            val result = Intent()
            result.putExtra("nama", namaEdit)
            setResult(Activity.RESULT_OK, result)
        } else {
//jika editText namaEdit kosong, maka kirimkan tanda RESULT_CANCELED
        setResult(Activity.RESULT_CANCELED)
        }
        finish()
    }
}
```

activity_edit_all.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView
    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">
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical"
        tools:context=".EditAllActivity">
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Biodata Diri"
            android:layout_gravity="center_horizontal"
            android:layout_margin="16dp"
```

```
            android:fontFamily="casual"
            android:textSize="20sp"
            android:textStyle="bold"/>
        <EditText
            android:id="@+id/edtAllName"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:hint="Nama"
            android:layout_margin="16dp"/>
        <Spinner
            android:id="@+id/edtAllGender"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_margin="16dp"
            android:entries="@array/jenis_kelamin"/>
        <EditText
            android:id ="@+id/edtAllEmail"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:hint="Email"
            android:layout_margin="16dp"/>
        <EditText
            android:id="@+id/edtAllTelp"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:hint="Telp"
            android:layout_margin="16dp"
            android:inputType="phone"/>
        <EditText
            android:id="@+id/edtAllAddress"
            android:layout_width="match_parent"
            android:layout_height="120dp"
            android:hint="Alamat"
            android:layout_margin="16dp"
            android:inputType="textMultiLine"/>
        <Button
            android:id="@+id/btnEditAllSave"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="SIMPAN"
            android:layout_margin="16dp"/>
    </LinearLayout>
</ScrollView>
```

EditAllActivity.kt

```
package com.dedyalwi.biodatadiri

import android.app.Activity
import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import com.dedyalwi.biodatadiri.databinding.ActivityEditAllBinding
import com.dedyalwi.biodatadiri.databinding.ActivityEditProfilBinding

class EditAllActivity : AppCompatActivity() {
```

```
    private lateinit var editAllBinding : ActivityEditAllBinding
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        editAllBinding = ActivityEditAllBinding.inflate(layoutInflater)
        setContentView(editAllBinding.root)
//menerima data yang dikirimkan dari ProfilActivity.kt
        val intentData = intent.extras
        val namaUser = intentData?.getString("nama")
        val emailUser = intentData?.getString("email")
        val telpUser = intentData?.getString("telp")
        val alamatUser = intentData?.getString("alamat")
//set edittext dengan data yang dikirimkan tadi
        editAllBinding.edtAllName.setText(namaUser)
        editAllBinding.edtAllEmail.setText(emailUser)
        editAllBinding.edtAllTelp.setText(telpUser)
        editAllBinding.edtAllAddress.setText(alamatUser)

//memberikan action click ke tombol Simpan
        editAllBinding.btnEditAllSave.setOnClickListener { saveData() }
    }
    private fun saveData() {
        val namaEdit = editAllBinding.edtAllName.text.toString()
        val emailEdit = editAllBinding.edtAllEmail.text.toString()
        val telpEdit = editAllBinding.edtAllTelp.text.toString()
        val alamatEdit = editAllBinding.edtAllAddress.text.toString()
        if (!namaEdit.isEmpty()) {
//jika editText namaEdit tidak kosong, maka kirimkan value nya ke
ProfilActivity, dan beri tanda RESULT_OK
            val result = Intent()
            result.putExtra("nama", namaEdit)
            result.putExtra("email", emailEdit)
            result.putExtra("telp", telpEdit)
            result.putExtra("alamat", alamatEdit)
            setResult(Activity.RESULT_OK, result)
        } else {
//jika editText namaEdit kosong, maka kirimkan tanda RESULT_CANCELED
            setResult(Activity.RESULT_CANCELED)
        }
        finish()
    }
}
```