

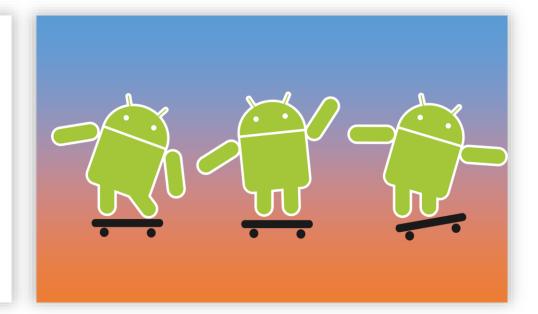
# Aplikasi Database CRUD (Create, Read, Update, & Delete) menggunakan SQLite sebagai Database Lanjutan

Presented By Putri Hayati, S.ST, M.Kom



# Kategori

- 9.0 SQLite Database
- 9.1 Operasi Database (CRUD)
- 9.2 Praktikum



X









Praktikum
Create, Read, Update, Delete (CRUD)
×

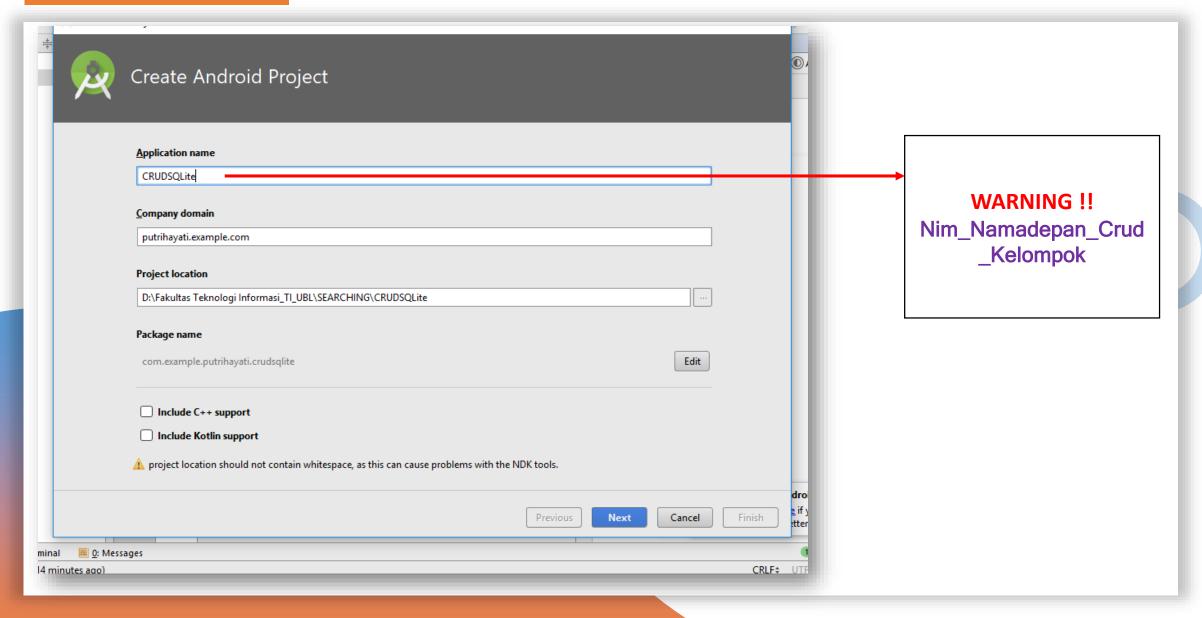


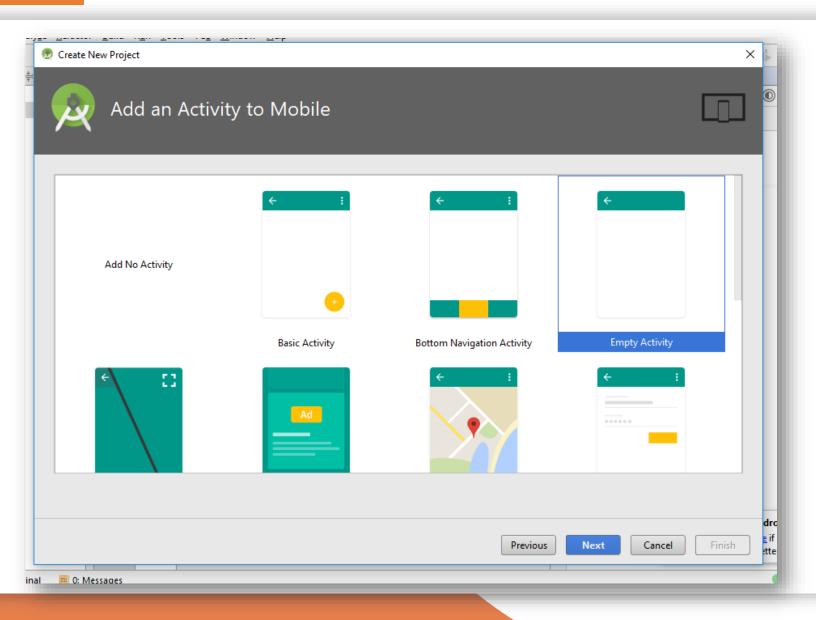


# Aplikasi Database CRUD (Create, Read, Update, & Delete) menggunakan SQLite sebagai Database

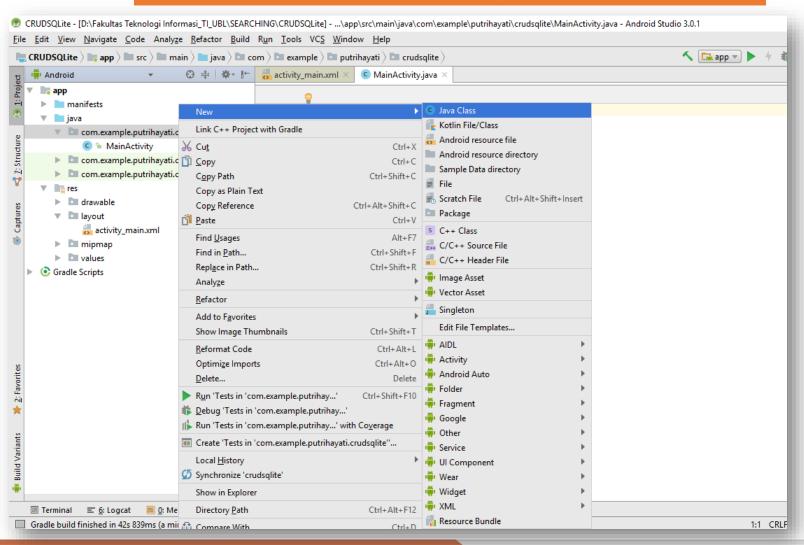
- 1. Pertama tama silahkan kalian buat sebuah project baru di Android Studio atau IDE
- 2. Project name : Nim\_Namadepan\_Crud\_Kelompok
- 3. Pilih "Empty Activity"
- 4. Ikuti langkah pada slide berikutnya
- 5. Jika sudah berhasil lalu di screenrecord dikirim ke Group Telegram, dengan subject : Nim\_Nama\_Aplikasi Crud\_Kelompok
- 6. Hasil untuk praktikum di kirim ke group telegram paling lambat tanggal 15 Desember 2022 Pukul 23.00 WIB



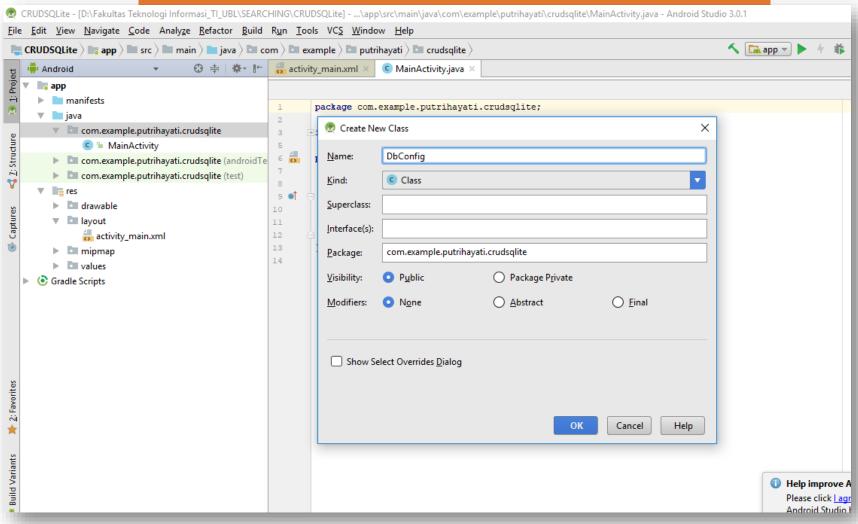


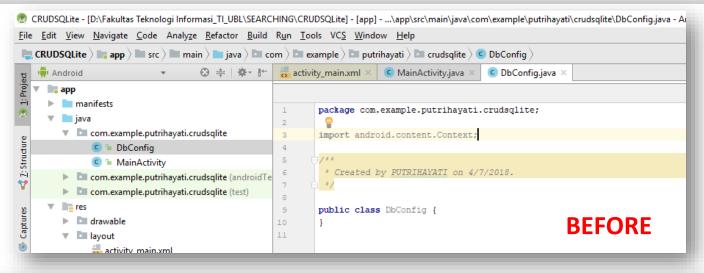


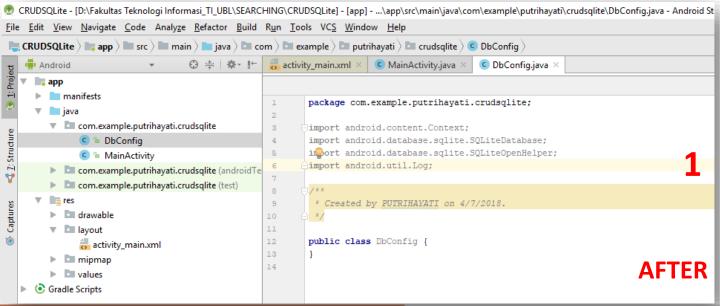
# Membuat Java Class, untuk konfigurasi Database SQLite



# Membuat Java Class, untuk konfigurasi Database SQLite







# Script untuk membuat configurasi pada DATABASE:

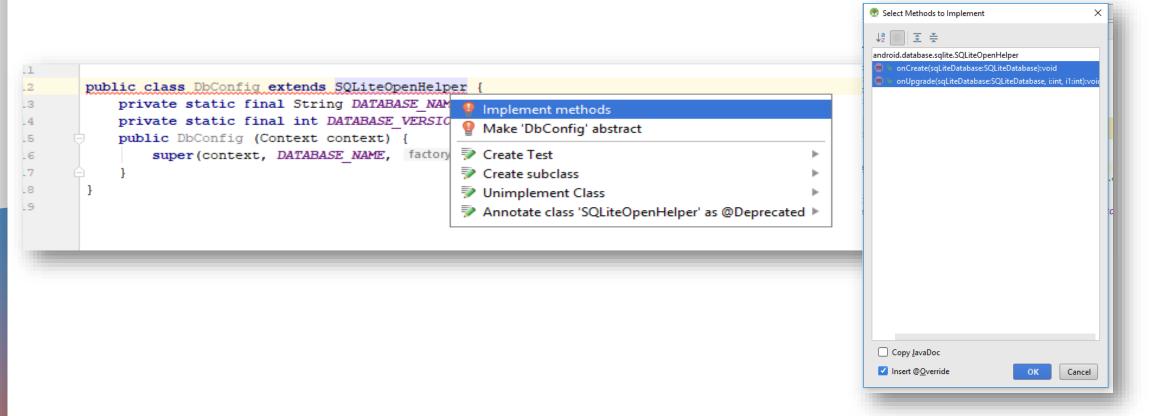
```
com.example.putrihayati.crudsqlite (test)
▼ Pres
                                                     * Created by PUTRIHAYATI on 4/7/2018.
  ▶ ☐ drawable
                                            10

▼ Iayout

                                            11
                                                    public class DbConfig extends SQLiteOpenHelper {
                                            12
        activity_main.xml
                                                        private static final String DATABASE NAME = "biodatamahasiswa.db";
                                            13
   mipmap
                                                        private static final int DATABASE VERSION = 1;
                                                                                                                             AFTER
                                            14
   values
                                                        public DbConfig (Context context) {
                                            15
Gradle Scripts
                                                            super(context, DATABASE NAME, factory: null, DATABASE VERSION);
                                            16
                                            17
                                            18
                                            19
```



# Letakan "kursor" ditengah SQLiteOpenHelper: alt+enter

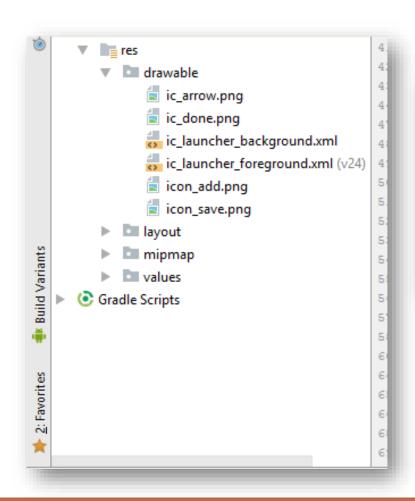


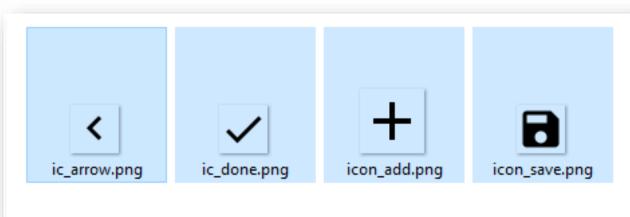


# Script untuk membuat configurasi pada DATABASE :

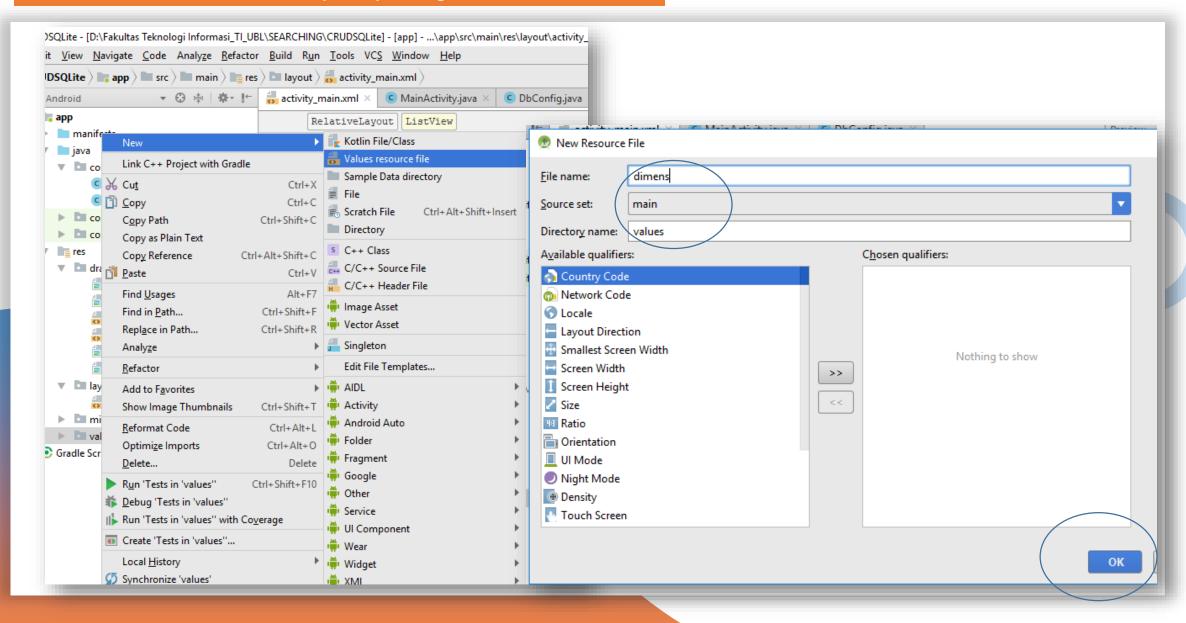
```
QUERY untuk membuat table BIODATA:
  19
              @Override
  20 0
              public void onCreate(SQLiteDatabase db) {
                  String sql = "create table biodata(no integer primary key, nama text null, tgl text null, jk text null, alamat text null)";
  21
                  Log.d( tag: "Data", msg: "onCreate: "+ sql);
  23
                  db.execSQL(sql);
                  sql ="INSERT INTO biodata (no, nama, tql, jk, alamat) VALUES ('1', 'Putri Hayati', '1991-08-02', 'Perempuan', 'Slipi', 'Jakarta')";
  24
  25
                  db.execSQL(sql);
  26
  27
  28
  29
              @Override
  30 0
              public void onUpgrade(SQLiteDatabase arg0, int arg1, int arg2) {
  31
                                                                                                                                AFTER
  32
ages 👰 TODO
                                                                                                                                        ■ Gradle Console
                                                                                                                            C Event Log
                                                                                                               33:2 CRLF$ UTF-8$ Context: < no context>
nutes ago)
```

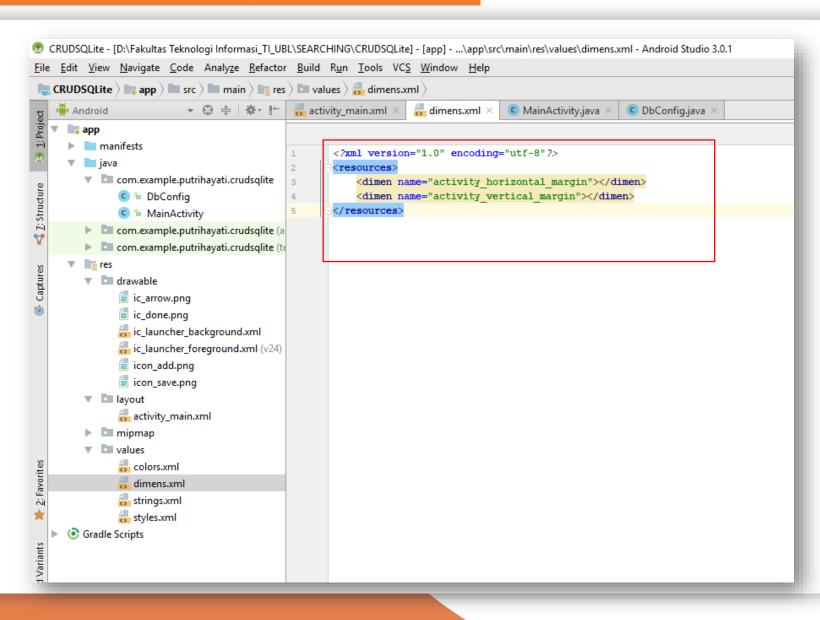
# Menyimpan resource - Copy Paste icon ke Drawable



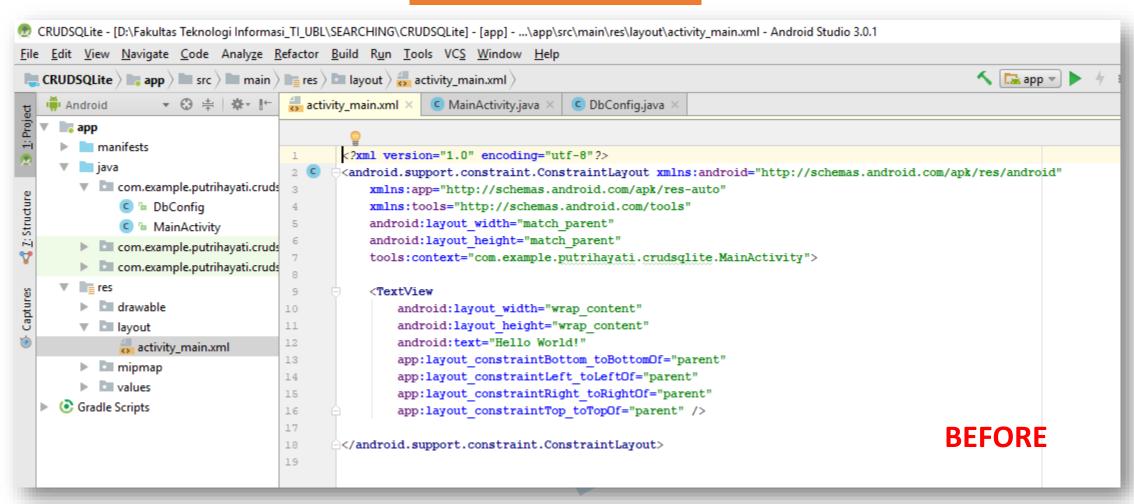


# Click kanan di "VALUES" seperti pada gambar dibawah ini:

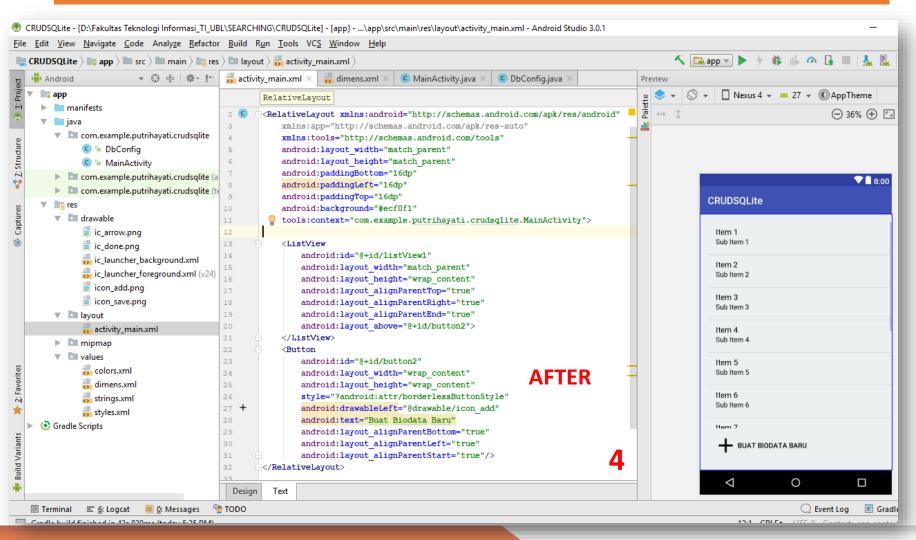




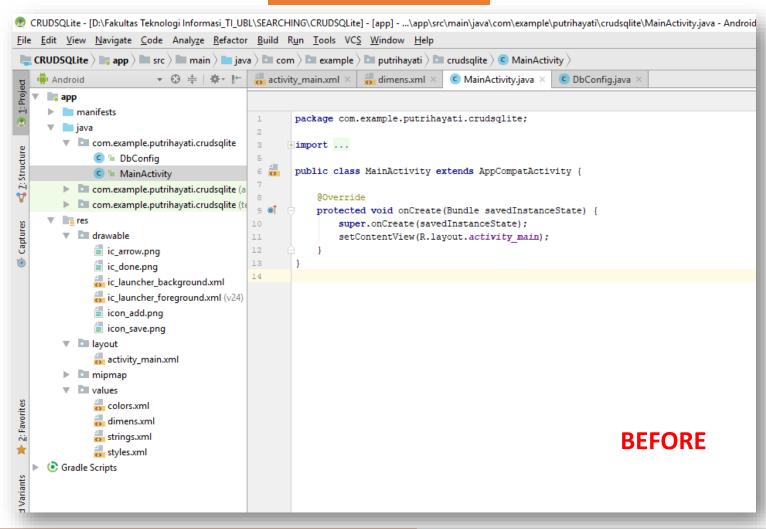
# Click - Activity\_Main.XML



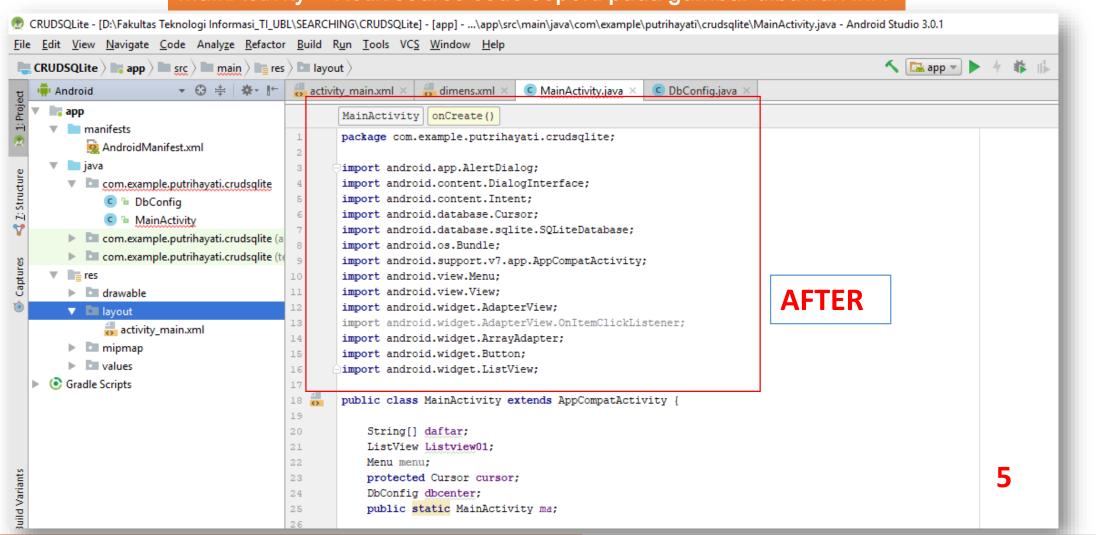
# Click - Activity\_Main.XML dan ketik source code seperti gambar dibawah ini:

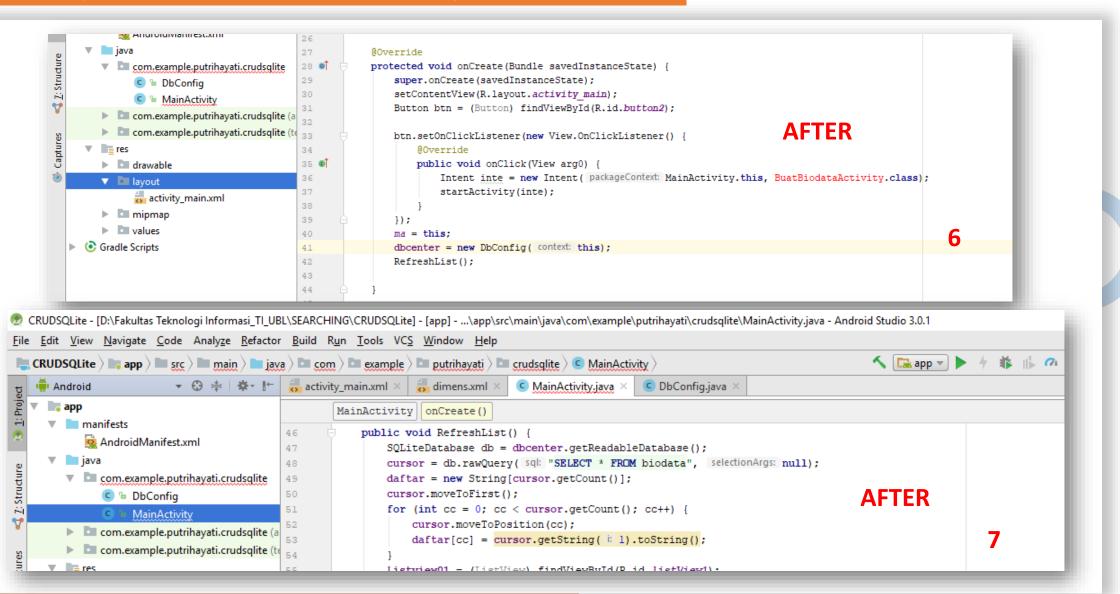


# Click - MainActivity

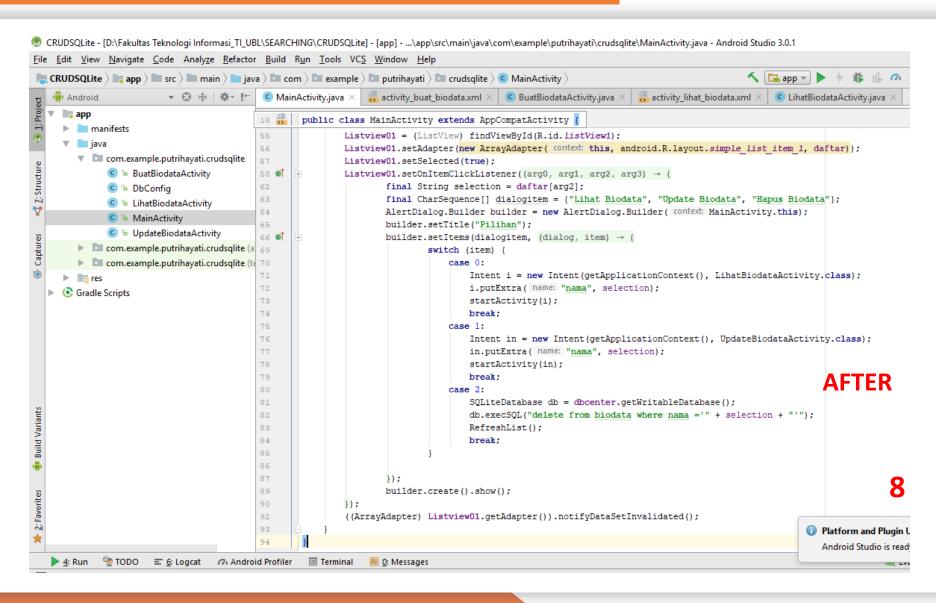


# MainActivity - Ketik source code seperti pada gambar dibawah ini :



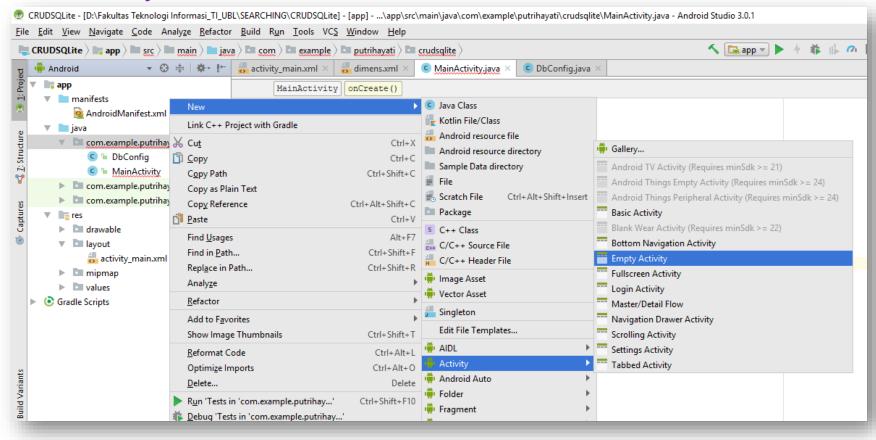


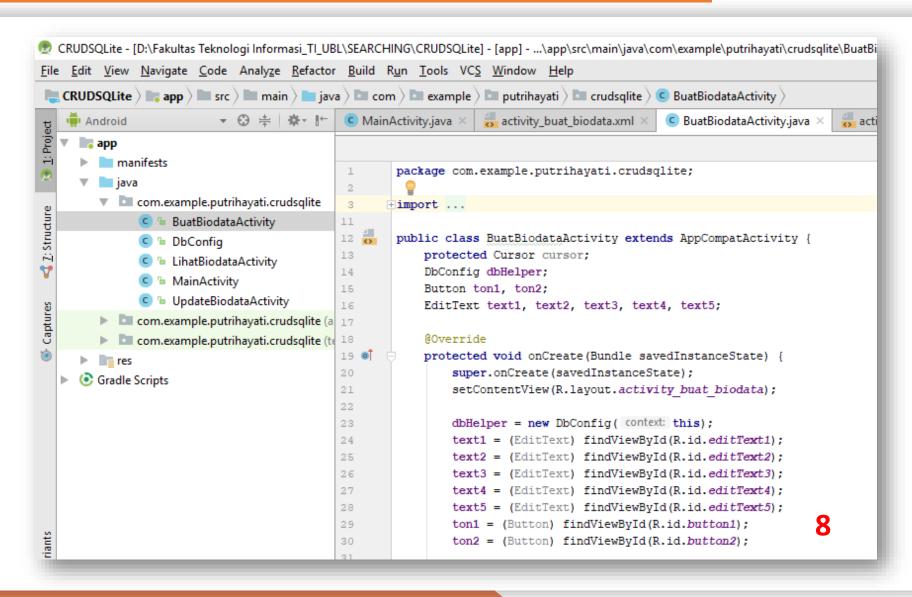
## MainActivity - Ketik source code seperti pada gambar dibawah ini :



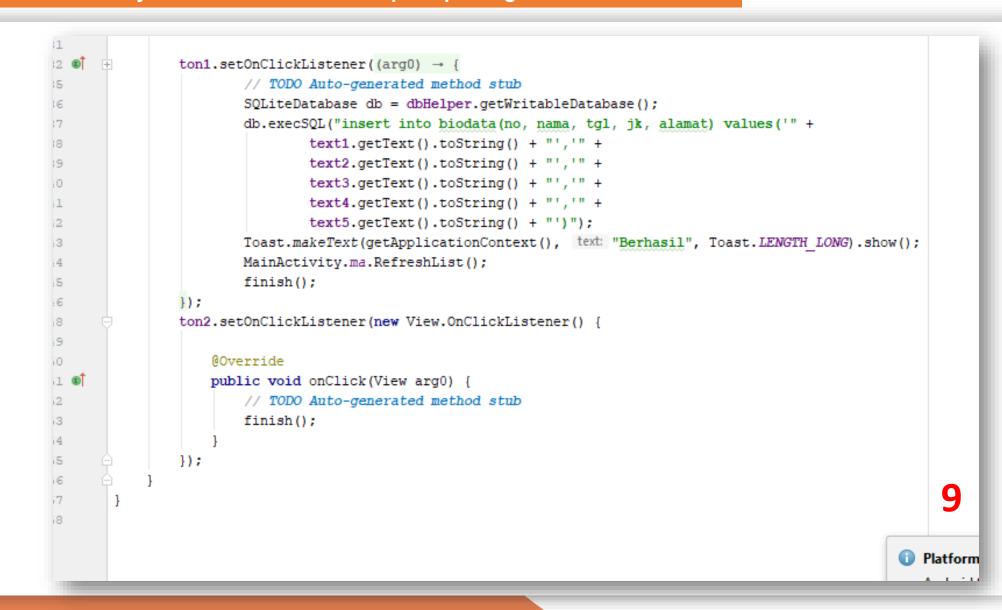
#### Buat 3 Activity seperti yang ada di MainActivity

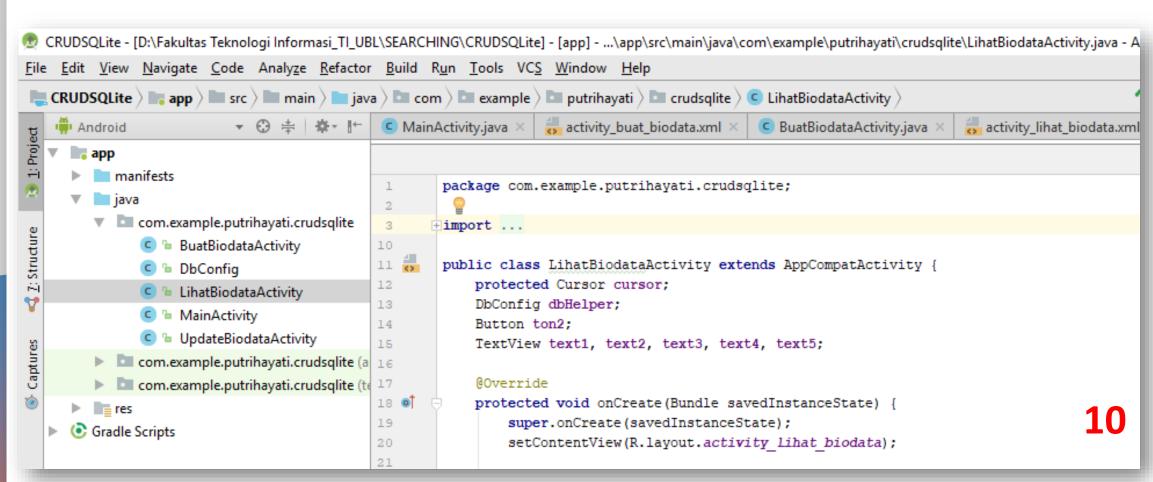
- BuatBiodataActivity
- LihatBiodataActivity
- UpdateBiodataActivity





BuatBiodataActivity - Ketik source code seperti pada gambar dibawah ini :







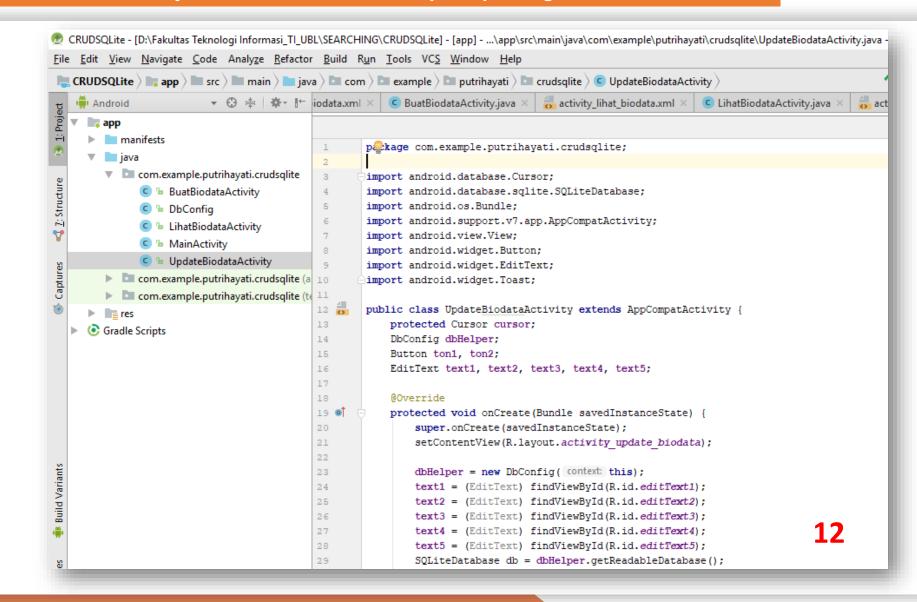
LihatBiodataActivity - Ketik source code seperti pada gambar dibawah ini :

```
21
               C > LihatBiodataActivity
                                             22
                                                               dbHelper = new DbConfig( context: this);
               MainActivity
                                              23
                                                               text1 = (TextView) findViewById(R.id.textView2);
               UpdateBiodataActivity
                                              24
                                                               text2 = (TextView) findViewById(R.id.textView2);
Captures

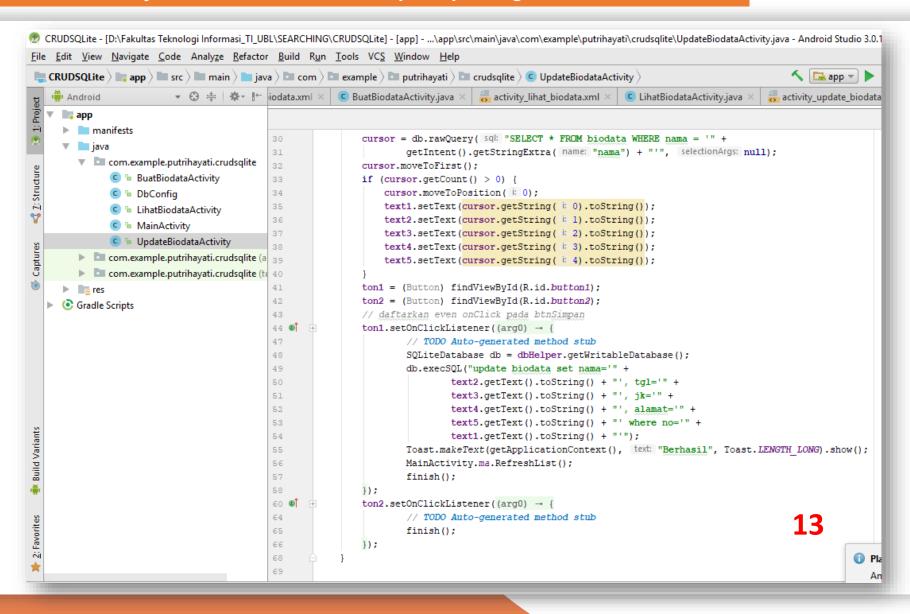
    com.example.putrihayati.crudsqlite (a

                                                               text3 = (TextView) findViewById(R.id.textView3);
                                                               text4 = (TextView) findViewById(R.id.textView4);
          com.example.putrihayati.crudsqlite (
                                                               text5 = (TextView) findViewById(R.id.textView5);
        = res
                                                               SQLiteDatabase db = dbHelper.getReadableDatabase();
                                              28
     Gradle Scripts
                                                               cursor = db.rawQuery( sql: "SELECT * FROM biodata WHERE nama = '" +
                                              29
                                                                        getIntent().getStringExtra( name: "nama") + "'", selectionArgs: null);
                                              30
                                                               cursor.moveToFirst();
                                              31
                                                               if (cursor.getCount() > 0) {
                                              32
                                                                   cursor.moveToPosition( i: 0);
                                              33
                                                                   text1.setText(cursor.getString( i: 0).toString());
                                              34
                                              35
                                                                   text2.setText(cursor.getString( | 1).toString());
                                                                   text3.setText(cursor.getString( | 2).toString());
                                              36
                                                                   text4.setText(cursor.getString( | 3).toString());
                                              37
Build Variants
                                                                   text5.setText(cursor.getString( i 4).toString());
                                              38
                                              39
                                                               ton2 = (Button) findViewById(R.id.button1);
                                              40
                                              41 0
                                                               ton2.setOnClickListener((arg0) → {
                                                                       // TODO Auto-generated method stub
                                              44
                                                                       finish();
                                              45
                                                               });
                                              46
2: Favorites
                                              48
                                                                                                                                            11
                                              49
                                              50
                                              51
```

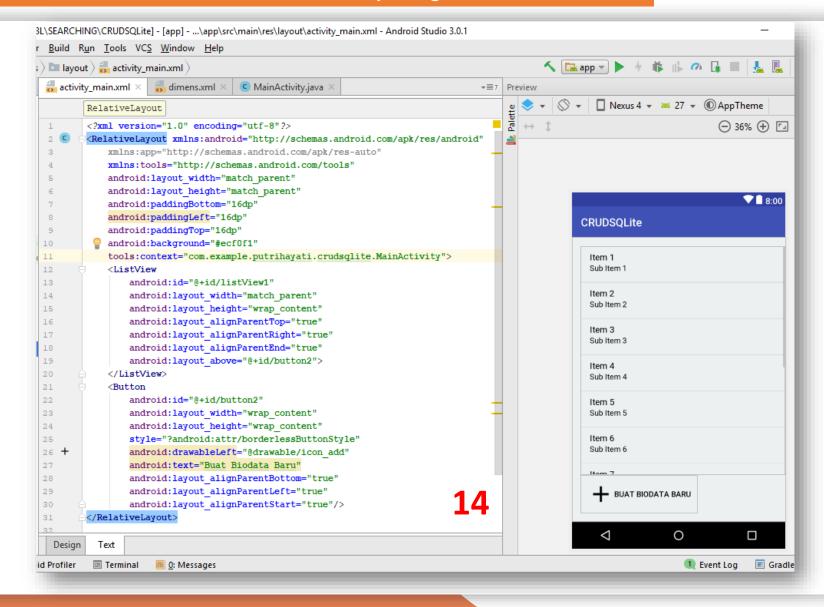
### UpdateBiodataActivity - Ketik source code seperti pada gambar dibawah ini :

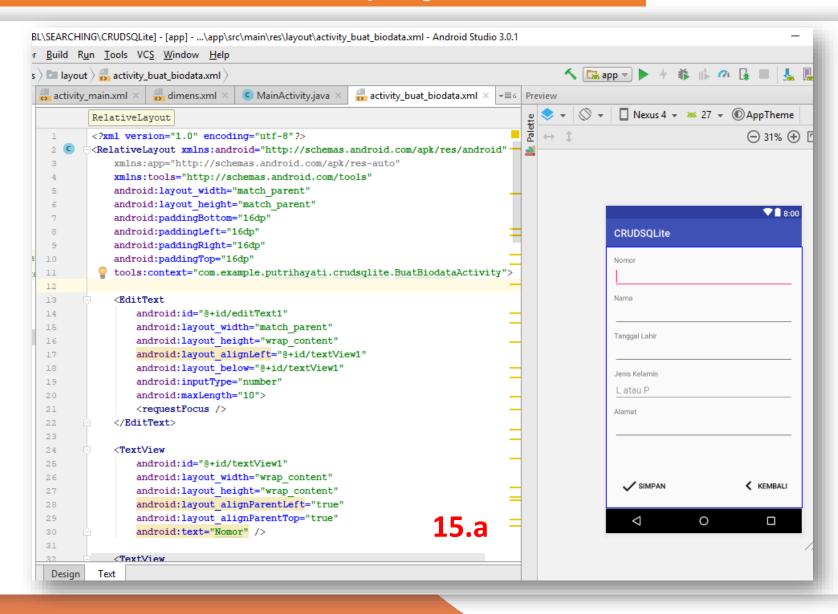


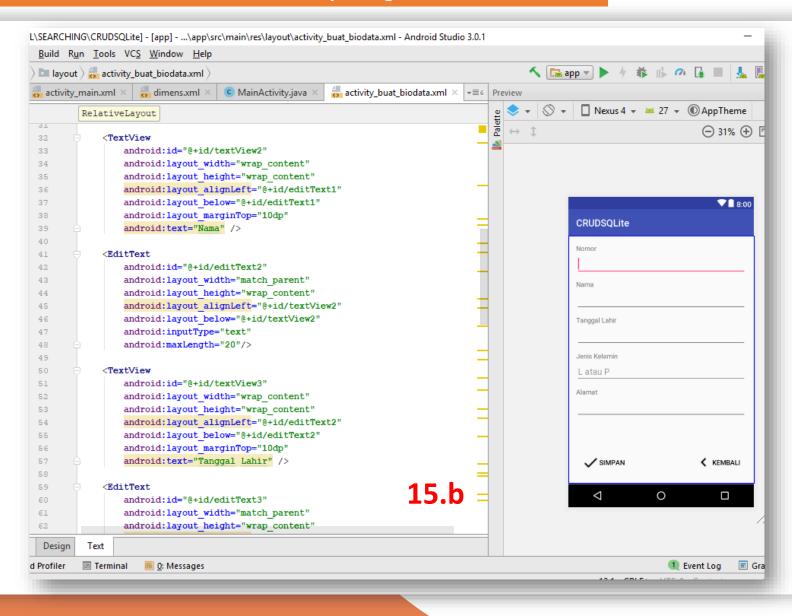
#### • UpdateBiodataActivity - Ketik source code seperti pada gambar dibawah ini :

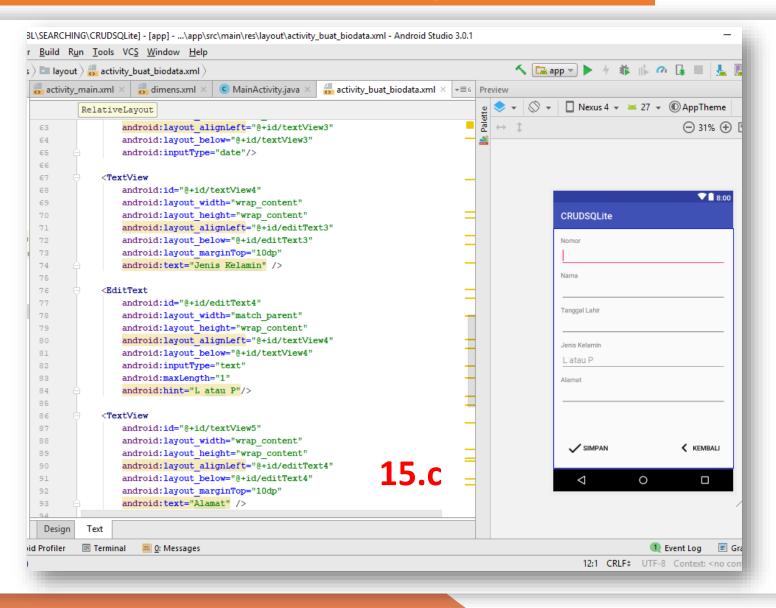


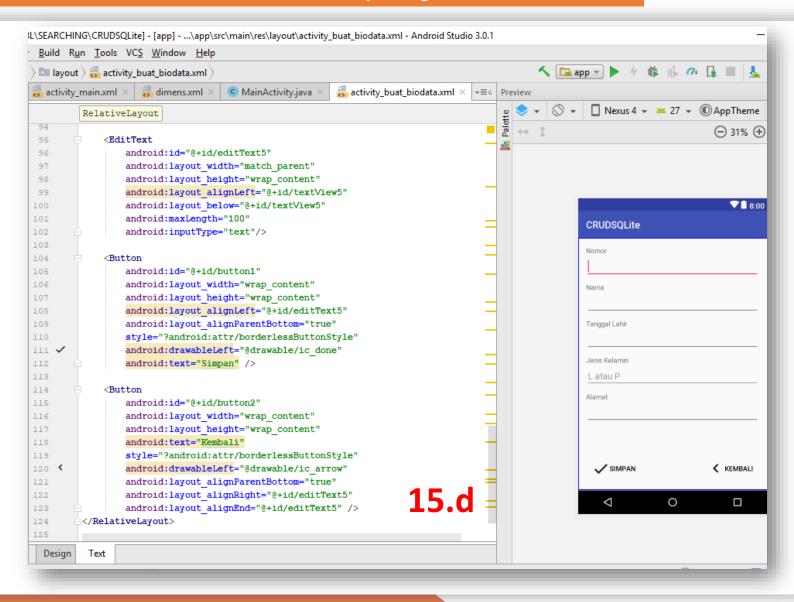
### Click - Activity\_main.xml dan ketik source code seperti gambar dibawah ini

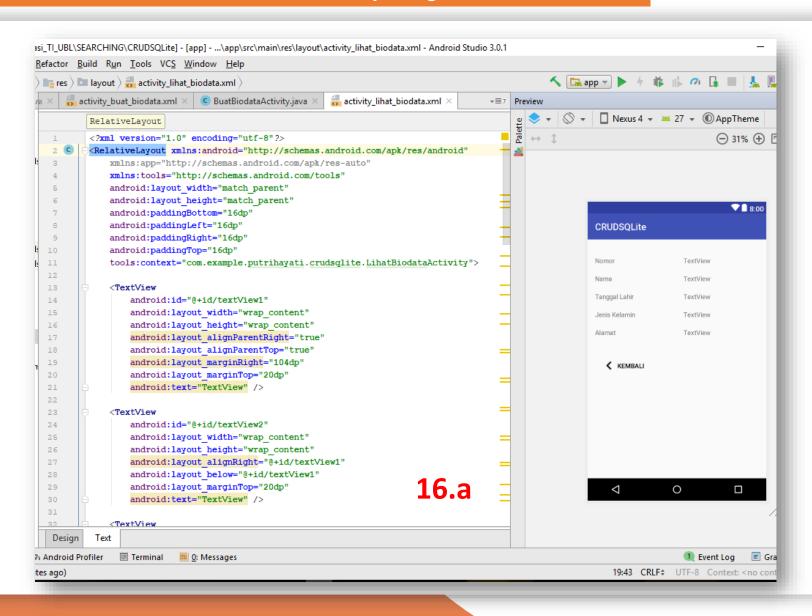


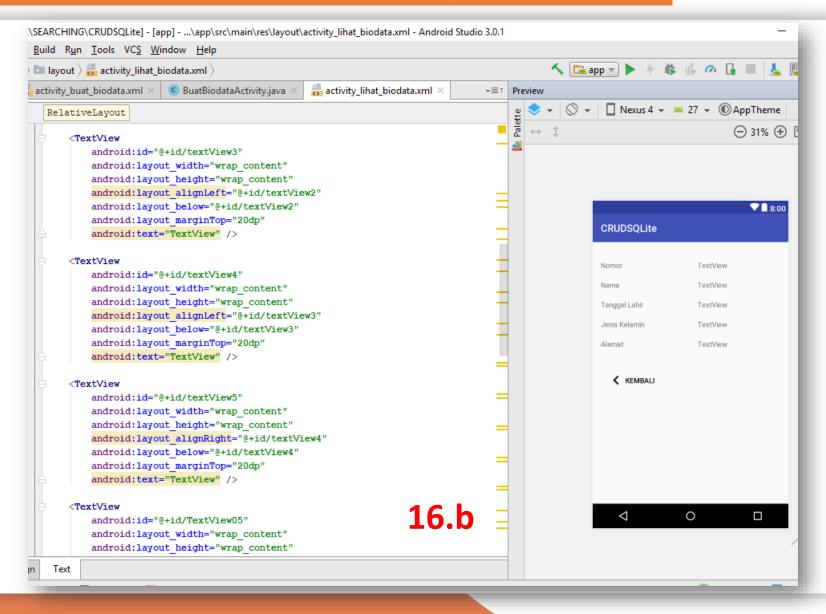


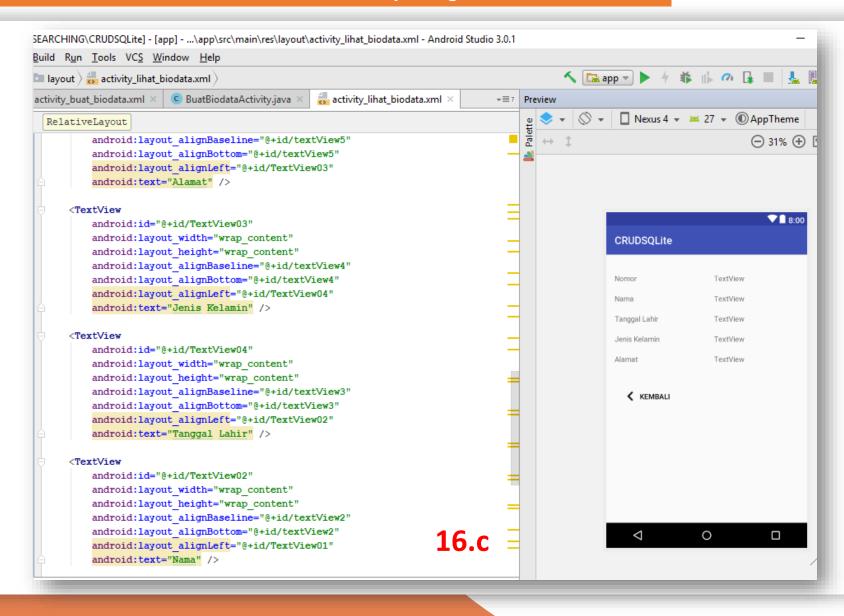






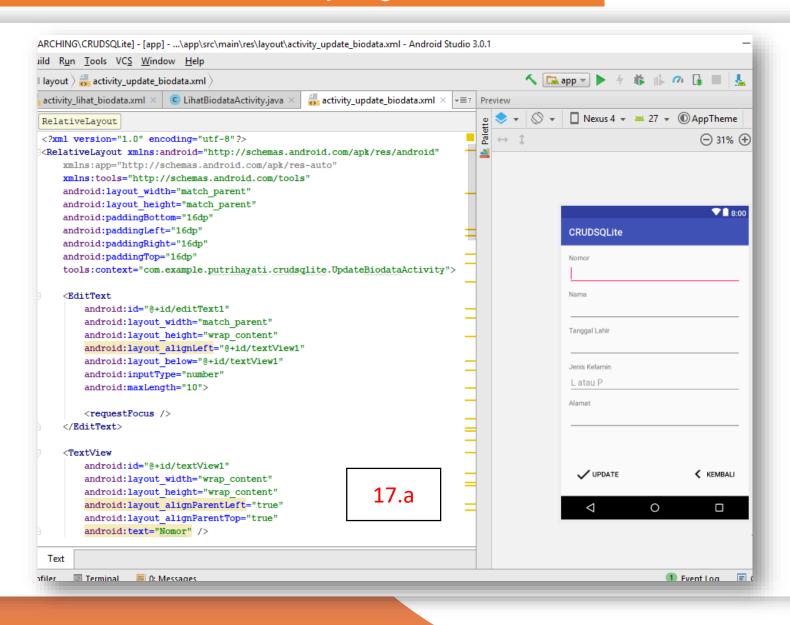




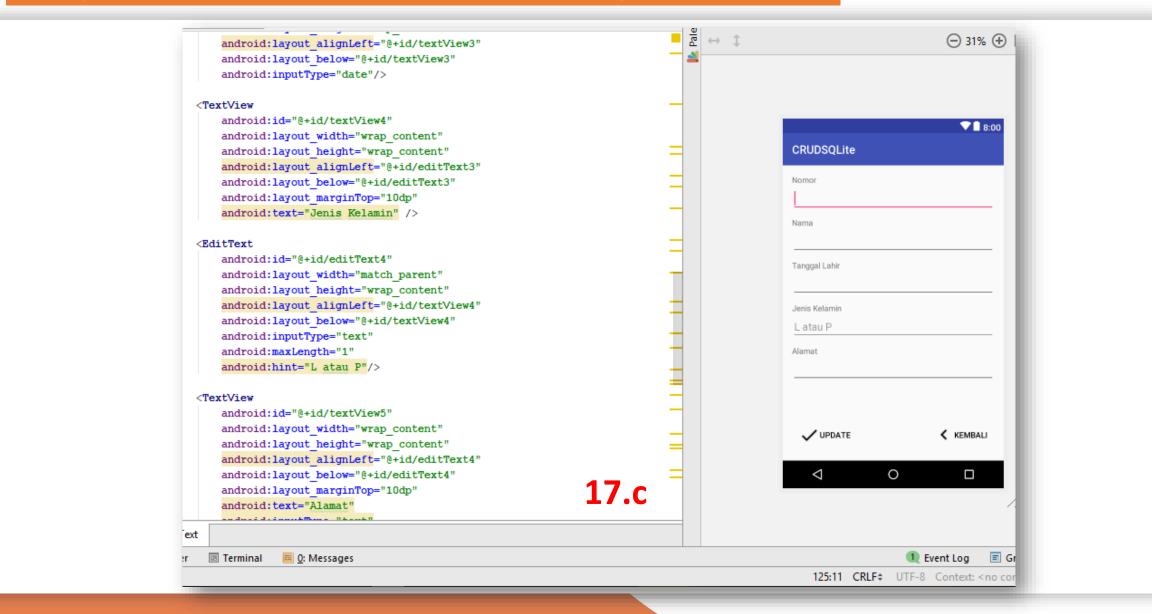






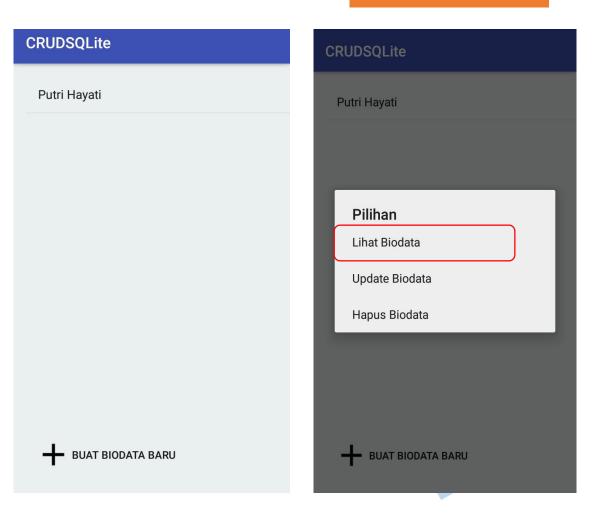


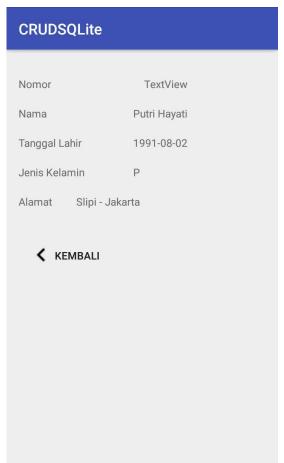




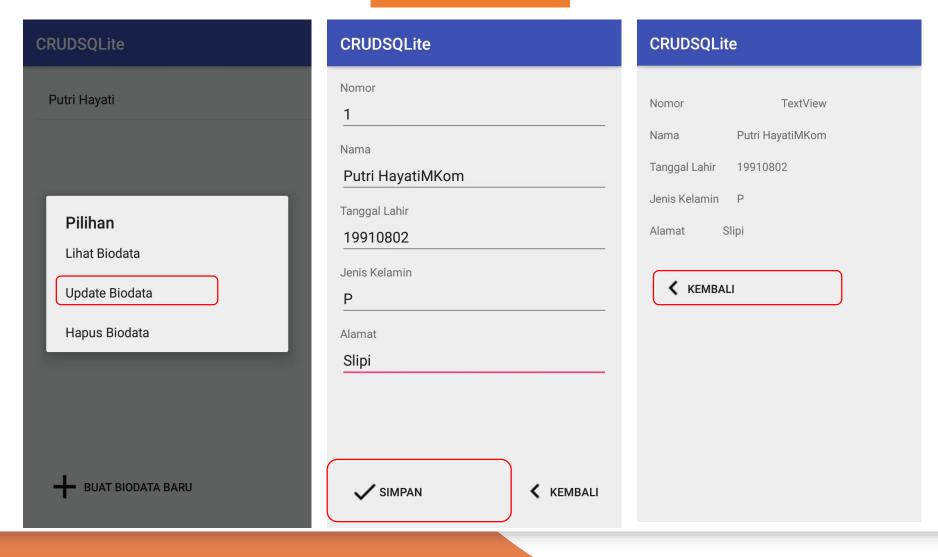


# RUN APLIKASI:





# **RUN APLIKASI:**



# RUN APLIKASI:

#### CRUDSQLite

Nomor TextView

Nama Putri HayatiMKom

Tanggal Lahir 19910802

Jenis Kelamin P

Alamat Slipi

**〈** KEMBALI

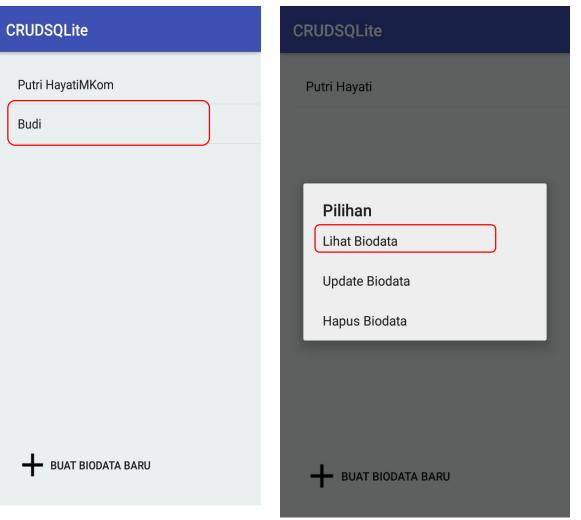
→ BUAT BIODATA BARU

CRUDSQLite

Putri HayatiMKom

# **CRUDSQLite** Nomor 2 Nama Budi Tanggal Lahir 19960308 Jenis Kelamin Alamat Tangerang ✓ SIMPAN KEMBALI

# RUN APLIKASI:



CRUDSQLite	
Names	Touthlian
Nomor	TextView
Nama	Budi
Tanggal Lahir	19960308
Jenis Kelamin	L
Alamat	Tangerang
<b>∢</b> KEMBALI	

# RUN APLIKASI:

