Workshop Mobile Applications

Selection Widget



Nama: Dimas Fany Azzuzi

NIM : E41200329

Gol. : A-Bondowoso

JURUSAN TEKNOLOGI INFORMASI PROGRAM STUDI TEKNIK INFORMATIKA POLITEKNIK NEGERI JEMBER

2021

DAFTAR ISI

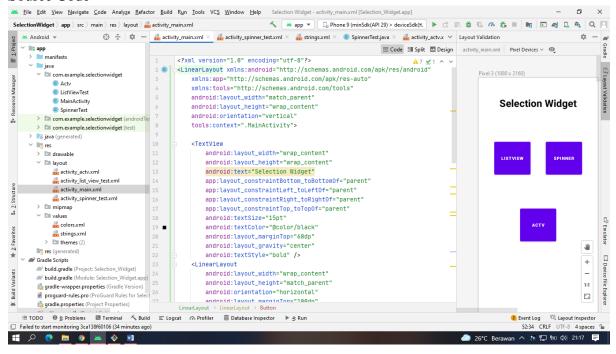
| DAFTAR | ISI | 2 |
|---------------|-------------------------|---|
| DAFTAR | GAMBAR | 3 |
| | Dashboard | |
| 2. | ListView | 7 |
| 3. | Spinner | 9 |
| | Auto Complete Text View | |
| | JLAN | |

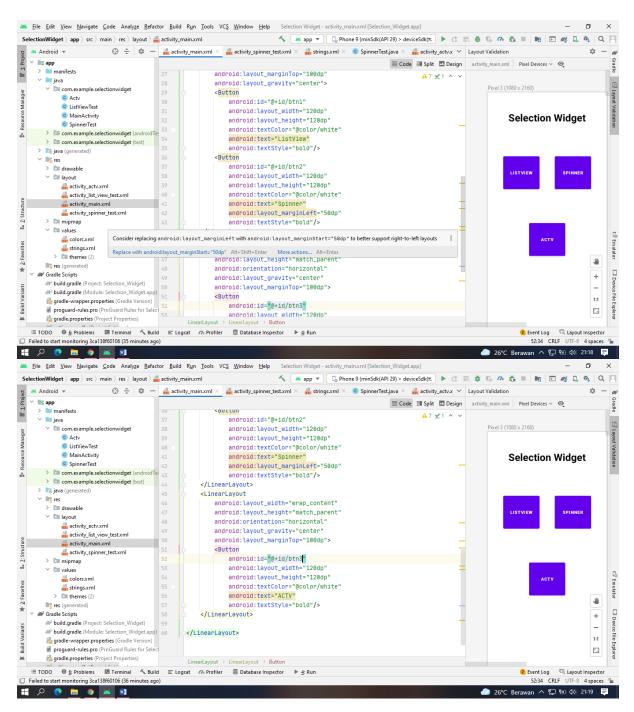
DAFTAR GAMBAR

| Gambar 1 Source Code Layout Dashboard | 5 |
|---|----|
| Gambar 2 Source Code Java Dashboard | |
| Gambar 3 Source Code Layout ListView | 7 |
| Gambar 4 Source Code Java ListView | |
| Gambar 5 Source Code Layout Spinner | 9 |
| Gambar 6 Source Code Java Spinner | |
| Gambar 7 Source Code Layout Auto Complete Text View | 11 |
| Gambar 8 Source Code Java Auto Complete Text View | |

1. Dashboard

Source Code





Gambar 1 Source Code Layout Dashboard

```
- @ ×
   😌 😤 🗘 — st.xml × 🝰 strings.xml × 🄞 SpinnerTest.java × 🝰 activity_actv.xml × 🄞 Activity_actv.xml × 🔞 Activity_actv.xml × 🔞 ListView_Test.java × 📽 MainActivity,java × 🗸
         ▲ Android ▼
                                                                                                      package com.example.selectionwidget;
            📭 арр
          > manifests
> java
> tom.example.selectionwidget
                                                                                                     import androidx.appcompat.app.AppCompatActivity;
                          Actv
                                                                                                      import android os Rundle:
                          C ListViewTest
                                                                                                      import android.content.Intent;

    MainActivity

                                                                                                      import android.view.View:
                           SpinnerTest
                                                                                                      import android.widget.Button;
             > com.example.selectionwidget (androidTet
> com.example.selectionwidget (test)
 ń.
                                                                                       10
                                                                                                     public class MainActivity extends AppCompatActivity {
            > k java (generated)
                                                                                                             private Button btn1, btn2, btn3;
                > 🖿 drawable

∨ □ lavout

                                                                                                           protected void onCreate(Bundle savedInstanceState) {
                                                                                                                      super.onCreate(savedInstanceState);
                           activity_list_view_test.xml
                                                                                                                       setContentView(R.layout.activity_main);
                          activity_main.xml
                                                                                                                      btn1 = (Button) findViewById(R.id.btn1);
                 > 🖿 mipmap
                                                                                                                     btn1.setOnClickListener(new View.OnClickListener() {
                ∨ Invalues colors.xml
                                                                                                                                                                                                                                                                                                                                                                      Ell Emulator
                                                                                      21 🐠
                                                                                                                               public void onClick(View view) {
                           # strings.xml
                     > 1 themes (2)
                                                                                                                                       openActivity1();
                 res (generated)

		 Gradle Scripts

                                                                                                                     31.
                 build.gradle (Project: Selection_Widget)
                                                                                                                      btn2 = (Button) findViewById(R.id.btn2);
                 w build.gradle (Module: Selection_Widget.app) 26
                                                                                                                      btn2.setOnClickListener(new View.OnClickListener() {
                 gradle-wrapper.properties (Gradle Version) 27
proguard-rules.pro (ProGuard Rules for Select 28
                                                                                                                               public void onClick(View v) {
                  gradle.properties (Project Properties)
                                                                                                                                       openActivity2();
         ≡ TODO ● & Problems ■ Terminal < Build ≡ Logcat ② Profiler ■ Database Inspector ▶ 4: Run
                                                                                                                                                                                                                                                                                                                2 Event Log 👨 Layout Inspector
      Failed to start monitoring 3ca138f60106 (37 minutes ago)
                                                                                                                                                                                                                                                                                                                      14:30 CRLF UTF-8 4 spaces 1
Eile Edit View Navigate Code Analyze Refactor Build Run Jools VCS Window Help Selection Widget - Main Activity, java [Selection_Widget.app]
   \textbf{SelectionWidget} \ \rangle \ \mathsf{app} \ \rangle \ \mathsf{src} \ \rangle \ \mathsf{main} \ \rangle \ \mathsf{java} \ \rangle \ \mathsf{com} \ \rangle \ \ \mathsf{example} \ \rangle \ \mathsf{selectionwidget} \ \rangle \ \ \textcircled{\textbf{G}} \ \mathsf{MainActivity}
                                                                                                                                                          🔨 🛎 app ▼ 🗓 Phone 9 (minSdk(API 29) > deviceSdk(x. ) ▶ 🚓 👼 🕠 🐧 👢 📭 🗈 🚀 🚨 🐧 🔾 📮
       | lectionWidget | app | src | main | java | com | example | selectionwidget | @ MainActivity | m
                                                                                                                      btn2.setOnClickListener(new View.OnClickListener() {
            > manife
                                                                                                                              @Override

∨ I com.example.selectionwidget

                                                                                                                               public void onClick(View v) {
                          C Actv
                                                                                                                                      openActivity2();
                                                                                                                             }
       © MainActivity 31
                                                                                                                     });
                           SpinnerTest
                                                                                                                       btn3 = (Button) findViewById(R.id.btn3);
                > ____ com.example.selectionwidget (androidTe
                                                                                                                      btn3.setOnClickListener(new View.OnClickListener() {
                  > com.example.selectionwidget (test)
                                                                                   34
35 •†
                iava (generated)
                                                                                                                               public void onClick(View v) {
            ∨ III= res
                                                                                                                                    openActivity3();

✓ Image: Value of the Valu
                                                                                                                     1);
                          activity actv.xml
                           activity_list_view_test.xml
 II. 7: Structure
                          activity_main.xml
                                                                                                              public void openActivity1(){
                           activity_spinner_test.xml
                 > 🖿 mipmap
                                                                                                                     Intent intent = new Intent( packageContext: this, ListViewTest.class);
                                                                                                                      startActivity(intent);

✓ □ values

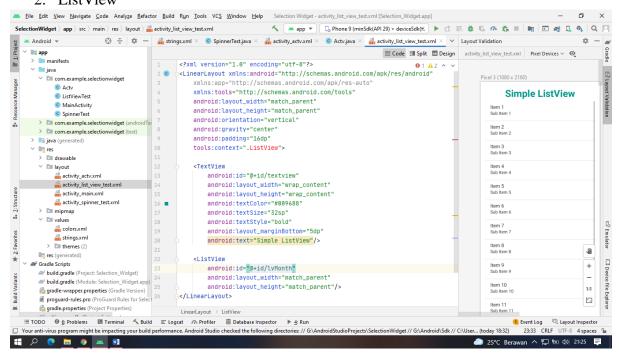
                                                                                                                                                                                                                                                                                                                                                                      Emulator
                          acolors.xml
                                                                                                              public void openActivity2(){
                           🏭 strings.xml
                                                                                                                     Intent intent = new Intent( packageContext: this, SpinnerTest.class);
                      > 🛅 themes (2)
                                                                                                                      startActivity(intent);
        ∨ R Gradle Scripts
                                                                                                                                                                                                                                                                                                                                                                       ☐ Device File Explore
                w build.gradle (Project: Selection Widget)
                                                                                                              public void openActivity3(){
                  w build.gradle (Module: Selection_Widget.app) 50
                                                                                                                    Intent intent = new Intent( packageContext: this, Actv.class);
                 gradle-wrapper.properties (Gradle Version)
                                                                                                                      startActivity(intent);
                 proguard-rules.pro (ProGuard Rules for Select gradle.properties (Project Properties)

11 gradle.properties (Project Properties)

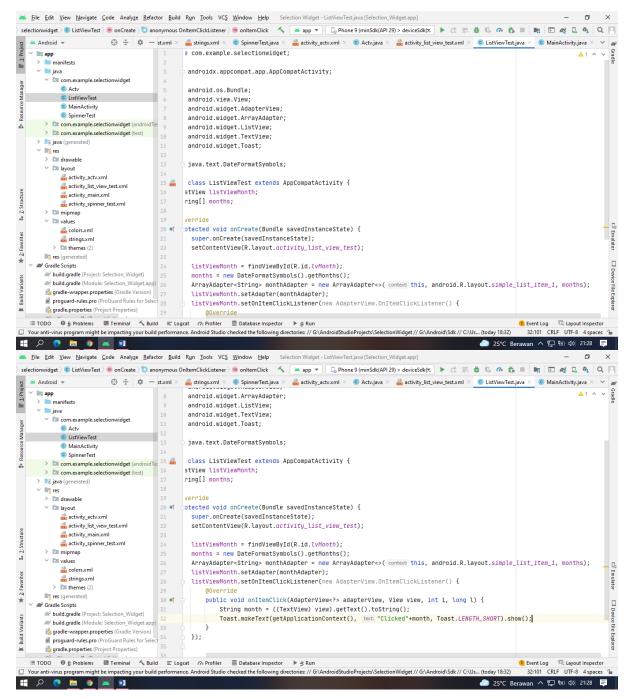
52
 # P 💿 🔚 🧿 🛎 🔢
                                                                                                                                                                                                                                                                                               25°C Berawan ^ 🖫 短 Φ) 21:23 📮
```

Gambar 2 Source Code Java Dashboard

2. ListView

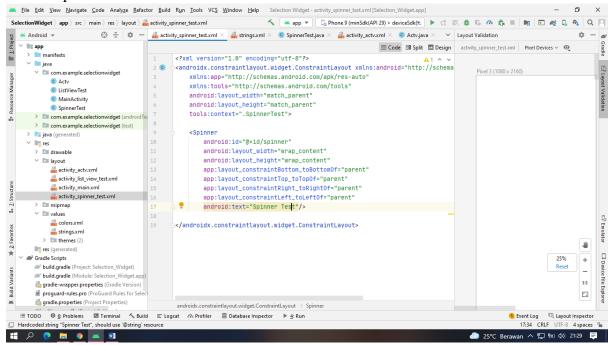


Gambar 3 Source Code Layout ListView



Gambar 4 Source Code Java ListView

3. Spinner



Gambar 5 Source Code Layout Spinner

```
Elle Edit View Navigate Code Analyze Refactor Build Run Jools VCS Window Help Selection Widget - SpinnerTest.java [Selection_Widget.app]
ctionwidget ) ® SpinnerTest ) 🔞 onCreate ) 🐿 anonymous OnltemSelectedListener ) 🔞 onltemSelected 🔨 🛎 app 🔻 🖫 Phone 9 (minSdk(API 29) > deviceSdk(tz. ) 🕨 🐧 👼 🐞 🕠 🐧 🔳 🐚 🖸 👰 🐧 🔘 📮
                            😩 🕏 – 🚜 activity_spinner_test.xml × 🍰 strings.xml × 🍪 SpinnerTest.java × 🛗 activity_actv.xml × 🔞 Actv.java × 📸 activity_list_view_test.xml × 🄞 ListViewTest.java × 🚺 🛊
                                                                         package com.example.selectionwidget;
      ∨ № арр
       > manifests
> java
> tom.example.selectionwidget
                                                                         import androidx.appcompat.app.AppCompatActivity;
                  Actv
                                                                         import android os Rundle:
                  C ListViewTest
C MainActivity
                                                                         import android.view.View;
                                                                         import android.widget.AdapterView;
                   SpinnerTest
                                                                          import android.widget.ArrayAdapter;
          > com.example.selectionwidget (androidTet
> com.example.selectionwidget (test)
                                                                         import android.widget.Spinner:
                                                                         import android.widget.Toast;
        > k java (generated)
                                                              12
                                                                        public class SpinnerTest extends AppCompatActivity {
           > 🖿 drawable
                                                                               Spinner spinner:

✓ □ lavout

                                                                               @Override
                   activity_list_view_test.xml
                                                                               protected void onCreate(Bundle savedInstanceState) {
                   activity_main.xml
                   activity_spinner_test.xml
                                                                                      super.onCreate(savedInstanceState);
                                                                                      setContentView(R.layout.activity_spinner_test);
            > 🖿 mipmap
            ∨ I values
d colors.xml
                                                                                      spinner = findViewById(R.id.spinner);
                                                                                      ArrayAdapter<CharSequence> adapter = ArrayAdapter.createFromResource( context this, R.array.city, android.R.layout
                   # strings.xml
               > themes (2)
                                                                                      adapter.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
            res (generated)
                                                                                      spinner.setAdapter(adapter);
      spinner.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {
            w build.gradle (Module: Selection_Widget.app) 26 et
                                                                                            public void onItemSelected(AdapterView<?> parent, View view, int position, long id) {
            gradle-wrapper.properties (Gradle Version) 27
proguard-rules.pro (ProGuard Rules for Select 28
                                                                                                  String kota = parent.getItemAtPosition(position).toString();
                                                                                               Toast.makeText(parent.getContext(), text: "Choose:"+kota, Toast.LENGTH_SHORT).show();
            gradle.properties (Project Properties)
     Eile Edit View Navigate Gode Analyze Refactor Build Run Tools VCS Window Help Selection Widget - SpinnerTest.java [Selection_Widget.app]
     ctionwidget ) © SpinnerTest ) 🔞 onCreate ) 🐧 anonymous OnltemSelectedListener ) 🔞 onltemSelected 🔨 🐹 app 🔻 🗓 Phone 9 (minSdk(API 29) > deviceSdk(tr. ) 🕨 🚓 🐞 🕠 👯 🔳 🐚 🖸 🏘 🚨 🐧 🔘 🖳

✓ III app

→ manifests
       > manifo
                                                             12 # public class SpinnerTest extends AppCompatActivity {

✓ □ com.example.selectionwidget

                                                                               Spinner spinner;
                   Actv
                  C ListViewTest

    MainActivity

                                                              16 👏
                                                                               protected void onCreate(Bundle savedInstanceState) {
                   C SpinnerTest
                                                                                      super.onCreate(savedInstanceState);
           > _ com.example.selectionwidget (androidTe:
                                                                                      setContentView(R.layout.activity_spinner_test);
            > 🖿 com.example.selectionwidget (test)
            is java (generated)
                                                                                      spinner = findViewById(R.id.spinner);
        ∨ III= res
                                                                                      ArrayAdapter<CharSequence> adapter = ArrayAdapter.createFromResource( context this, R.array.city, android.R.layout adapter.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
            layout
                                                                                      sninner setAdanter(adanter):
                  activity actv.xml
                                                                                      spinner.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {
                   activity_list_view_test.xml
                   activity_main.xml
                                                                                            public void onItemSelected(AdapterView<?> parent, View view, int position, long id) {
                  activity_spinner_test.xml
                                                                                                  String kota = parent.getItemAtPosition(position).toString();
               mipmap 🖿
1 7
                                                                                                 Toast.makeText(parent.getContext(), text "Choose:"+kota, Toast.LENGTH_SHORT).show();

✓ □ values

                                                                                                                                                                                                                                                                    Ell Emulator
                   🏭 colors.xml
                   🏭 strings.xml
               > 🛅 themes (2)
                                                                                            public void onNothingSelected(AdapterView<?> parent) {
      ☐ Device File
           w build.gradle (Project: Selection Widget)
            w build.gradle (Module: Selection_Widget.app) 35
                                                                                     });
            gradle-wrapper.properties (Gradle Version)
            gradie-wrapper.properties (Gradle Version)

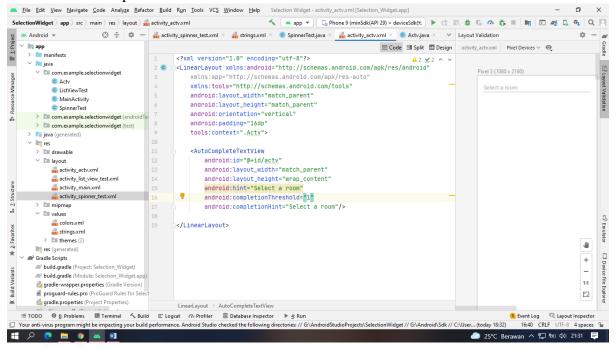
gradie-properties (Proguard Rules for Select

gradie-properties (Project Properties)
    ETODO © & Problems In Feminal Na Build E Lagat / Profiler E Database Inspector ► 4 Run

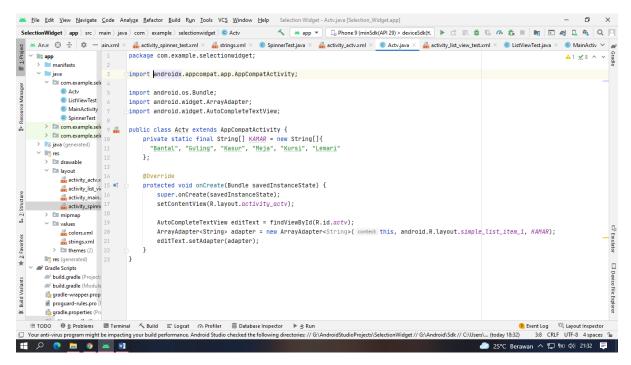
Your anti-virus program might be impacting your build performance. Android Studio checked the following directories: // G\Android\StudioProjects\Selection\Widget // G\Android\Sdk // C\User... (today 18:32) 28/6 CRLF UTF-8 4 spaces
of the second se
                                                                                                                                                                                                          _____ 25°C Berawan ヘ 🖫 ໝ ⑴ 21:30 💂
```

Gambar 6 Source Code Java Spinner

4. Auto Complete Text View



Gambar 7 Source Code Layout Auto Complete Text View



Gambar 8 Source Code Java Auto Complete Text View

KESIMPULAN

Aplikasi widget berbasis java untuk mempermudah dan membantu masyarakat memperoleh informasi tentang cuaca yang telah berlangsung serta mengetahui suhu dan temperatur dari suatu wilayah secara real time.