

UJIAN TENGAH SEMESTER
MATA KULIAH MOBILE PROGRAMMING 1



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1. Fungsi findViewById: adalah Method pada Android yang digunakan untuk mengkoneksi UI terdefinisi di file XML layout ke dalam kode program Java atau Kotlin.
2. Syarat findViewById dan contoh

Syarat:

- Layout harus sudah dimuat dengan setContentView()
- ID view harus benar dan sesuai dengan yang ada di XML
- ID view harus benar dan sesuai dengan yang ada di XML
- Tipe View harus sesuai saat inisialisasi
- Pastikan elemen tidak berada di layout yang berbeda

Contoh:

```
package com.contoh.findviewbyid

import android.content.res.Resources
import android.os.Bundle
import androidx.activity.enableEdgeToEdge
import androidx.appcompat.app.AppCompatActivity
import androidx.core.view.ViewCompat
import androidx.core.view.WindowInsetsCompat
import android.widget.Button
import android.widget.TextView
import android.util.Log

class MainActivity : AppCompatActivity() {

    private lateinit var textView: TextView
    private lateinit var buttonClick: Button

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main) // Harus dipanggil sebelum findViewById

        // Pemanggilan findViewById dalam Kotlin
        textView = findViewById(R.id.textView)
        buttonClick = findViewById(R.id.buttonClick)

        // Event klik tombol
        buttonClick.setOnClickListener {
            textView.text = "Tombol sudah diklik!"
        }
    }
}
```

3. Error nya berikut:

- NullPointerException
- View Tidak Bisa Diakses
- Unresolved Reference

4. Program:

```
package com.contoh.findviewbyid

import android.content.res.Resources
import android.os.Bundle
import androidx.activity.enableEdgeToEdge
import androidx.appcompat.app.AppCompatActivity
import androidx.core.view.ViewCompat
import androidx.core.view.WindowInsetsCompat
import android.widget.Button
import android.widget.TextView
import android.util.Log

class MainActivity : AppCompatActivity() {

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)

        try {
            // Ini akan menyebabkan Resources.NotFoundException
            val value = getString(R.integer.nomor)
            Log.d(tag: "Test", value)
        } catch (e: Resources.NotFoundException) {
            e.printStackTrace()
        }
    }
}
```

Logcat:

```
samsung SM-A055F (R0CWA4YXMB) Android 14, AI - NoFoundException

2025-05-06 11:52:21.990 6249-6635 R0CLight pid-6249
    at X.0ry.run(:22)
    at X.3m.schedule(:71)
    at X.4y.A02(:15)
    at X.318.A0a(:551)
    at X.2et.A01(:41)
    at X.2et.A09(:15)
    at com.instagram.notifications.push.IgPushRegistrationService.A0S(:58)
    at com.GA4.doInBackground(:12)
    at android.os.AsyncTask$3.call(AsyncTask.java:304) <4 Internal lines>
    Caused by: java.lang.NoClassDefFoundError: Class not found using the boot class loader; no stack trace available
    Failed to load class from parent: store33c.dex01.canary
    java.lang.ClassNotFoundException: store33c.dex01.canary
        at java.lang.Class.forName0(Native Method)
        at java.lang.Class.forName(ClassLoader.java:269)
        at java.lang.ClassLoader.loadClass(ClassLoader.java:275)
        at java.lang.ClassLoader.loadClass(ClassLoader.java:573)
        at com.facebook.common.dextricks.MultiDexClassLoaderLight.loadFromParent(:4)
        at com.facebook.common.dextricks.MultiDexClassLoaderLight.loadClass(:38)
        at java.lang.ClassLoader.loadClass(ClassLoader.java:625)
        at java.lang.ClassLoader.loadClass(ClassLoader.java:573)
        at java.lang.Class.forName0(Native Method)
        at java.lang.Class.forName(Class.java:607)
        at java.lang.Class.forName(Class.java:532)
        at com.facebook.common.dextricks.MultiDexClassLoaderLight.loadClass(:39)
        at com.facebook.common.dextricks.DexStore.determineDesiredState(:53)
        at com.facebook.common.dextricks.DexStore.loadAllImpl(:528)
        at com.facebook.common.dextricks.DexStore.loadAll(:21)
    at X.1ce.A04(:657)
    at X.1dv.run(:75)
    at X.95v.run(:2)
    at X.1bn.run(:25)
    at X.1bn.run(:25)
    at X.1ob.A00(:112)
    at X.1ob.run(:108)
    Caused by: java.lang.NoClassDefFoundError: Class not found using the boot class loader; no stack trace available
    [2] at j1b.B(131): STW: Failed to get storage stats for package 'com.google.mainline.primary.libs' (1601: Error getting stats:
    [2] at j1b.B(132): STW: Failed to get storage stats for package 'com.android.kif1' (1601: Error getting stats: android.content
    [2] at j1b.B(133): STW: Failed to get storage stats for package 'com.samsung.android.camera.unihal' (1601: Error getting stat
    [2] at j1b.B(134): STW: Failed to get storage stats for package 'com.samsung.android.camera.unihal' (1601: Error getting stat
    22/10 [83 chars, 2 line breaks] LF UTF-8 4 spaces
```

**[https://github.com/Abdul-is-
os/uts_pemograman_mobile_abdul_rafi_23552011301](https://github.com/Abdul-is-os/uts_pemograman_mobile_abdul_rafi_23552011301)**