

Berikut Bad Smells yang Saya Identifikasi :

Primitive Datatype

private int genre; // CODE SMELL: Using primitive int instead of enum for genre type,
Penggunaan tipe data int sebaiknya gunakan enum

Magic Number

```
public void setGenre(int genre) { // CODE SMELL: Using magic numbers 0-7 for genres
    this.genre = genre;
}

public void printInfo(int detailLevel) { // CODE SMELL: Using magic numbers 0-3 for detail levels
    if (detailLevel == 0) { ... }
    else if (detailLevel == 1) { ... }
    // ...
}
```

Long Method

```
public void printInfo(int detailLevel) { // CODE SMELL: Method is too long (>20 lines)
    // ... long method with repeated logic ...
}
```

Code Duplication

```
// CODE SMELL: These lines are repeated in multiple if blocks
System.out.println("song title: " + title);
System.out.println("release year: " + releaseYear);
if (genre > 0) {
    System.out.println("genre: " + genre);
}
```

Poor String

```
// CODE SMELL: Unsafe string comparison
if (!artistName.equals("")) { ... }
if (!artistAlias.equals("")) { ... }
if (!albumName.equals("")) { ... }
```

Switch Statement

// CODE SMELL: Complex conditional logic that could be replaced with enum and switch

```
if (detailLevel == 0) { ... }
```

```
else if (detailLevel == 1) { ... }
```

```
else if (detailLevel == 2) { ... }
```

```
else if (detailLevel == 3) { ... }
```