NAMA: WINDI SAPUTRI

NIM: L200170115

**KELAS: C** 

#### **DEFAULT MODIFIER**

1. DefaultModifier di kelas dan package yg sama bisa diakses

```
MODUL4 - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
🔁 🛅 📳 🆣 🦻 🎑 <default config>
                                       🔽 🎖 🥦 🕨 - 🌇 - 🕦 -
                                    ...ava 🐧 MethodReturn.java 🗴 🐧 MethodParameter.java 🗴 🐧 Pegawai.java 🗴 🐧 TugasRumah.java 🗴 🐧 DefaultModifier.jav
Projects X Files Services
                                    i Libraries
  🗓 🔓 Test Libraries
                                           * To change this license header, choose License Headers in Project Properties.
3
                                          * To change this template file, choose Tools | Templates
  ^{\star} and open the template in the editor.
    default package>
       Kucingku.java
Kucingmeong.java
                                     6
                                        package bab4:
  ⊕ 脂 Test Packages
                                     8 🖵 /**
  🗓 🍃 Libraries
  ⊕ ☐ Test Libraries
                                        * @author Asus
                                     10
⊞-- MODUL4
                                    11
  Source Packages
                                    12
                                         class DefaultModifier {
    int a = 1;
int b = 2;
                                    13
        DefaultModifier.java
                                    14
    = praktikum.pbo.package1
                                     15
                                            int c;
       otherDefaultModifier 1. java
                                    16
  ⊕ 1 Test Packages
                                    17 📮
                                            void jumlah(){
  ⊞ 🚡 Libraries
  Test Libraries
                                    19
                                                 System.out.println(c);
pekerjaanrumah
                                    20
  21
                                             public static void main(String[] args) {
    - Gefault package>
                                   Output - MODUL4 (run) ×
         🚮 Date.java
         Dosen.java
                                   run:
         Dosenku.java
                                         BUILD SUCCESSFUL (total time: 2 seconds)
         Mewan.java
                                   Hewanku.java
```

2. beda package dan mengakses di class yg beda hasilnya tidak bisa

```
Q - Search (Ctrl+I)
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
    The line of the second of the 
 Projects X Files Services — ...ava MethodReturn.java X MethodParameter.java X MethodParamet
         Test Packages
Libraries
Test Libraries
                                                                                                                                                                                                                                       2 * To change this license header, choose License Headers in Project Properties.
3 * To change this template file, choose Tools | Templates
4 * and open the template in the editor.
5
             bucing
Source Packages
                             ≟ - ∰ <default package>
                Kucingku.java

Kucingmeong.java

Test Packages
                                                                                                                                                                                                                                                                    package praktikum.pbo.packagel;

■ import bab4.DefaultModifier;

           Libraries

Test Libraries

MODUL4
             ⊕ 🚡 Libraries
                                                                                                                                                                                                                                       10 🖵 /**
                                                                                                                                                                                                                                   class otherDefaultModifier1 {
15 | public static void max-
17 | DefaultModifier3
                Source Packages
                             DefaultModifier.java
              praktikum.pbo.package 1

otherDefaultModifier1.java

Test Packages
                                                                                                                                                                                                                                                                                                                      blic static void main<mark>(</mark>String[] args<mark>)</mark>{
    DefaultModifier kasih = new DefaultModifier();
             Libraries
Test Libraries
pekerjaanrumah
Source Packages
                                                                                                                                                                                                                                                                                                                     kasih.jumlah();
                                                                                                                                                                                                                                     19
20
21
                              - - - «default package»
                                                     <default package>
30 Date, java
Dosen, java
50 Dosenku, java
60 Hewan, java
61 Hewan, java
62 Karyawan, java
63 Karyawanku, java
64 Karyawanku, java
65 Karyawanku, java
66 Mahasiswa, java
                                                                                                                                                                                                                                Output - MODUL4 (run) X
                                                                                                                                                                                                                                                             Java.aang.axceptionininitializerError

Caused by: java.lang.RuntimeException: Uncompilable source code - bab4.DefaultModifier is not public in bab4; cannot be accessed from

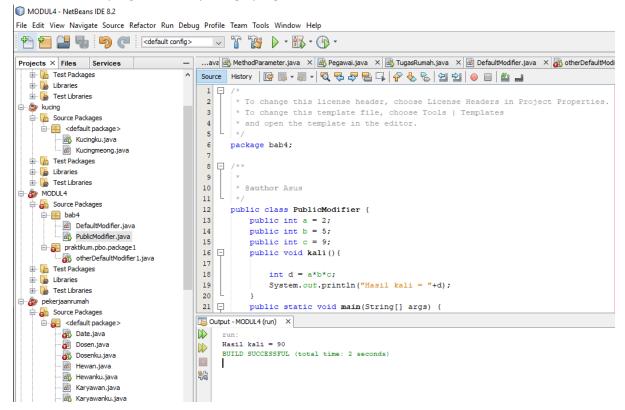
at praktikum.pbo.packagel.otherDefaultModifierl.<clinit>(otherDefaultModifierl.java:8)

Exception in thread "main" C:\Users\Assus\AppBata\Local\NetBeans\Cacha\8.2\executor-snippets\run.xml:53: Java returned: 1

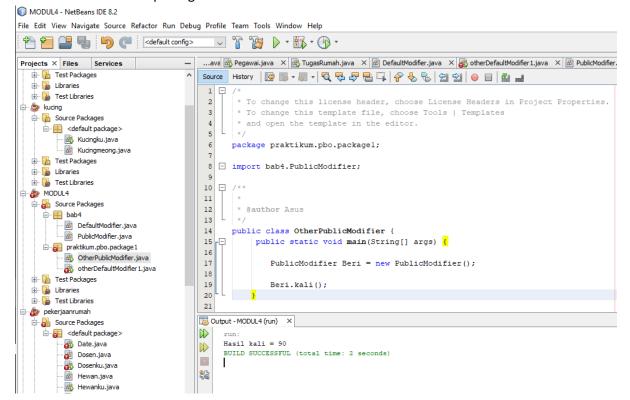
BUILD FAILED (total time: 2 seconds)
                                                                                                                                                                                                                                  200
```

#### **PUBLIC MODIFIER**

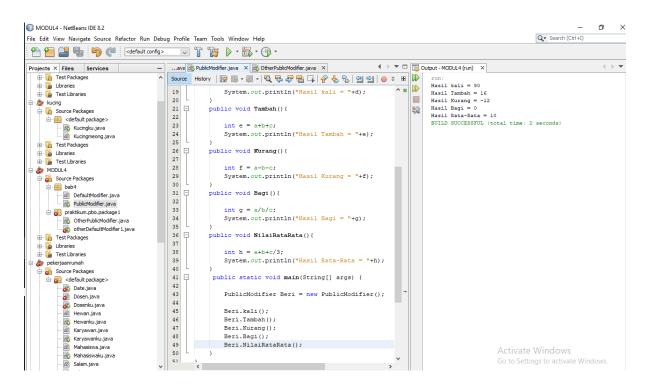
- 1. Kelas yang beda dan package yg beda hasilnya bias diakses, karena Public dapat diakses di class manapun didalam package maupun diluar package.
  - di class yang sama dan package yang sama



beda class dan package

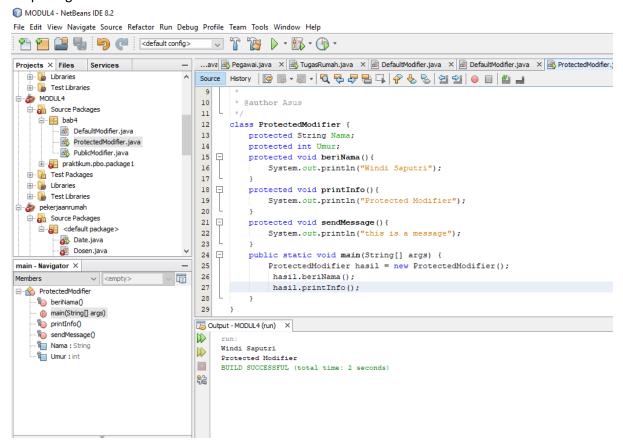


2. menambahkan method tambah, kurang, bagi ,dan nilai rata-rata



#### PROTECTED MODIFIER

### Class + package sama



#### PRIVATE MODIFIER

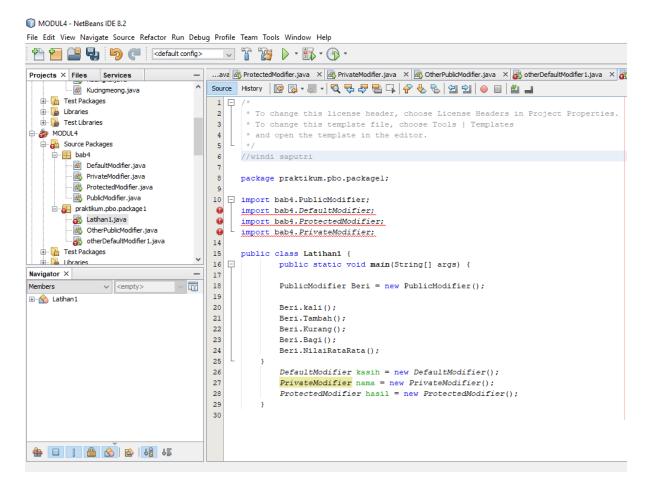
## Class dan package sama

MODUL4 - NetBeans IDE 8.2 File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help 
 ♣
 ♣
 ♣
 ♦
 €

 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ♦
 ...ava 🚳 ProtectedModifier.java 🗴 🚳 PrivateModifier.java 🗴 🚳 OtherPublicModifier.java 🗴 🚳 otherDefaultModifier1.java 🗡 Projects × Files Services Source History | 🕝 📴 ▼ 👼 ▼ | 🔩 🖓 🚭 📮 | 🔐 🚭 🔮 🔩 🔮 🕌 🕌 🕌 Kucingmeong.java ⊕ 🌇 Test Packages ⊕ 🔓 Libraries  $^{\star}$  To change this license header, choose License Headers in Project Properties. ⊕ 🚡 Test Libraries □ 🏇 MODUL4 ⊨ ⊞ bab4 package bab4; DefaultModifier.java PrivateModifier.java 8 🖵 /\*\* ProtectedModifier.java

PublicModifier.java praktikum.pbo.package1 11 Latihan 1. java class PrivateModifier { 12 OtherPublicModifier.java private String Nama;
private int Umur; 13 otherDefaultModifier 1. java 14 ⊕ 🊹 Test Packages 15 1 Libraries private void printInfo(){ System.out.println("private modifier");
} PrivateModifier - Navigator X 17 18 19 📮 □ PrivateModifier public static void main(String[] args) { PrivateModifier nama = new PrivateModifier(); main(String[] args)
printInfo() 20 21 --- 🖣 Nama : String Output - MODUL4 (run) X Umur : int private modifier BUILD SUCCESSFUL (total time: 2 seconds) **%** 

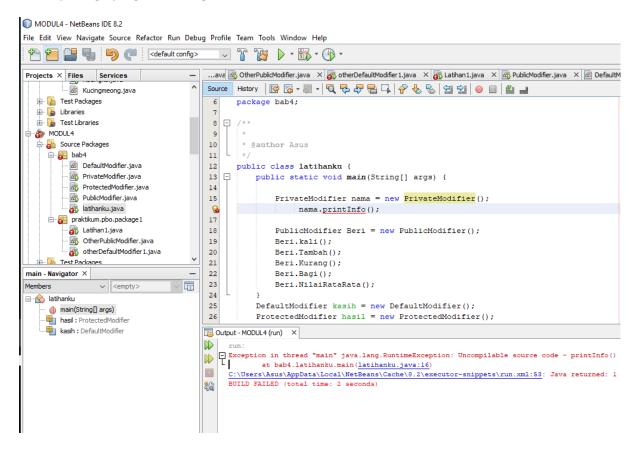
Perbandingan antara class DefaultModifier, PublicModifier, Protected Modifier dan PrivateModifier dalam package yg beda dengan nama class "latihan1"



## Penjelasan:

- 1. untuk DefaultModifier tidak akan bisa diacses dalam package yg berbeda .hanya dapat di accsess dalam satu class dan package yg sama
- 2. PublicModifier bisa di acses dalam package yg berbeda karena pada umumnya **public** itu dapat di accsess dikelas manapun dan didalam maupun diluar package yg berbeda
- 3. ProtectedModifier tidak bisa di accsess. Karena **Protected** (accsess berdasarkan inheritance). Dapat di accsess oleh class lain disuatu package yg sama, plus sub class tersebut(meskipun di package lain)
- 4. PrivateModifier tidak bisa di acses karena Private hanya dapat di accsess oleh class yang sama

Perbandingan antara class DefautModifier,PublicModifier,ProtectedModifier, dan PrivateModifier dalam package yang sama dengan nama class 'latihan':



# Penjelasan:

Yang tidak bisa di accsess hanya clas Private karena private hanya milik sendiri