### **ACTIVITY PRAKTIKUM**

Mata Praktikum : Rekayasa Perangkat Lunak 2

Kelas : 4IA06

Praktikum ke- : 2

Tanggal : 22 Oktober 2024

Materi : Anatomi Kelas, Struktur Aplikasi JAVA, Object Orented Programming (OOP)

dengan JAVA

NPM : 51421517

Nama : William Devin Septianus Pranggono

Ketua Asisten :

Paraf Asisten :

Nama Asisten : Gilbert Jefferson Faozato Mendrofa

Jumlah Lembar : 5 lembar

# LABORATORIUM TEKNIK INFORMATIKA UNIVERSITAS GUNADARMA

2024

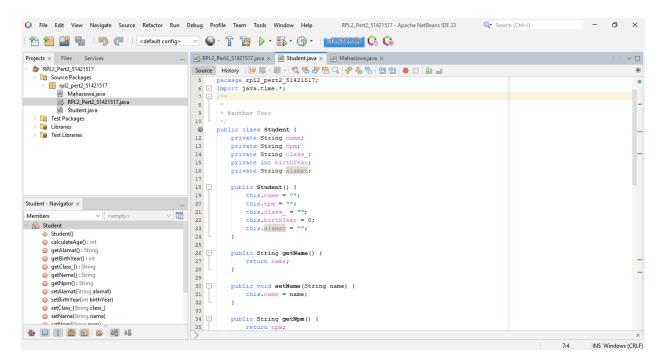
#### 1. Cara membuat method getter dan setter pada Netbeans IDE:

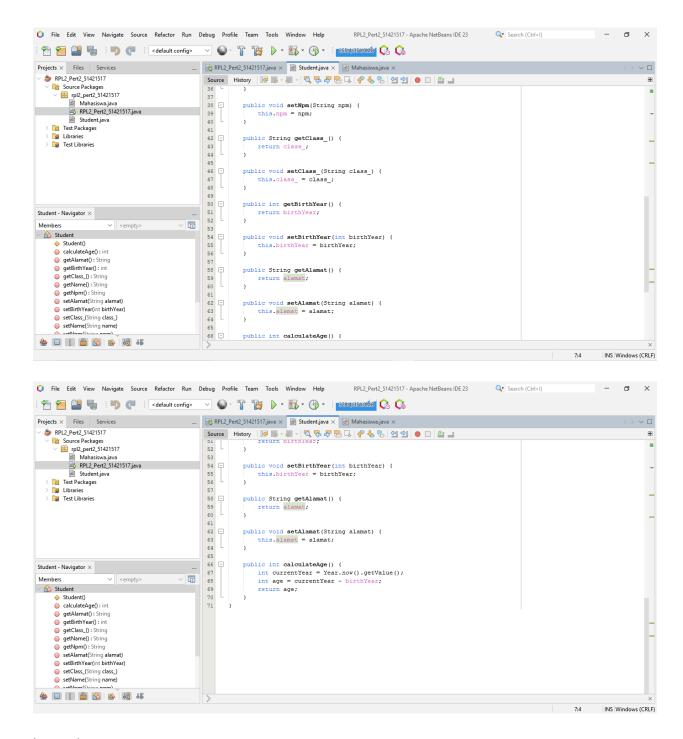
Method getter dan setter dapat dibuat dengan menyeleksi atribut dari class yang ingin dibuat method getter dan setter-nya. Kemudian, klik kanan pada kode yang terseleksi, lalu klik Insert Code. Lalu, pilih Getter and Setter. Centang atribut yang diinginkan, lalu klik Generate. Method getter dan setter untuk masing-masing atribut class akan tertulis pada kode.

#### 2. Screenshot kode program dan output:

Kode:

#### a. Student.java:





#### b. Mahasiswa.java:

```
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    Mahasiswa.java

RPL2_Pert2_51421517.java

Student.java
                                                                5 pac
6
7 - /**
                                                                      package rpl2_pert2 51421517;
  > Test Packages
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   > Test Libraries
                                                              11 public class Mahasiswa extends Student {
12 public Mahasiswa() {
    suner():
                                                               14
                                                               15
16
Mahasiswa.java - Navigator ×
                                                                            @Override
                                                               18
19
                                                                            public String toString() {
    return "Nama\t\t: "+getName()+"\nNFM\t\t: "+
        getNpm()+"\nRelas\t\t: "+getClass_()+
        "\nTahun Lahir\t: "+getBirthYear()+
                                                   ~ Im
Members
  Mahasiswa :: Student
      Mahasiswa()
                                                               20
21
22

    toString(): String ↑ Object

                                                                                            "\nUmur\t\t: "+calculateAge()+
"\nAlamat\t\t: "+getAlamat();
                                                               23
                                                               24
25
1:3 INS Windows (CRLF)
```

#### c. Main class:

```
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   Mahasiswa.java

RPL2_Pert2_51421517.java
         Student.java
                                                    package rpl2 pert2 51421517;
  > 🛅 Test Packages
                                                6
7 🗇 /**
    Libraries
  > Em Test Libraries
                                                    public class RPL2_Pert2_51421517 {
                                                13 🖃
                                                14
                                                          * @param args the command line arguments
                                               15
RPL2_Pert2_51421517.java - Navigator ×
                                                         public static void main(String[] args) {
                                                             Mahasiswa mahasiswa = new Mahasiswa();
                                               17
18
19
20
21
22
                   ✓ | <empty> ✓ |
Members
 RPL2_Pert2_51421517
                                                             mahasiswa.setName("William Devin S.P.");
     RPL2 Pert2 514215170
                                                             mahasiswa.setNpm("51421517");
mahasiswa.setClass_("4IA06");
     main(String[] args)
                                                             mahasiswa.setBirthYear(2003);
                                                23
24
                                                             mahasiswa.setAlamat("Komplek Pelni Depok");
                                               25
26
27
                                                             System.out.println(mahasiswa.toString());
                                                28
29
                                                     }
INS Windows (CRLF)
```

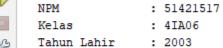
## Output:

## Output - RPL2\_Pert2\_51421517 (run) ×



run:

Nama : William Devin S.P.



Umur : 21

Alamat : Komplek Pelni Depok
BUILD SUCCESSFUL (total time: 1 second)

