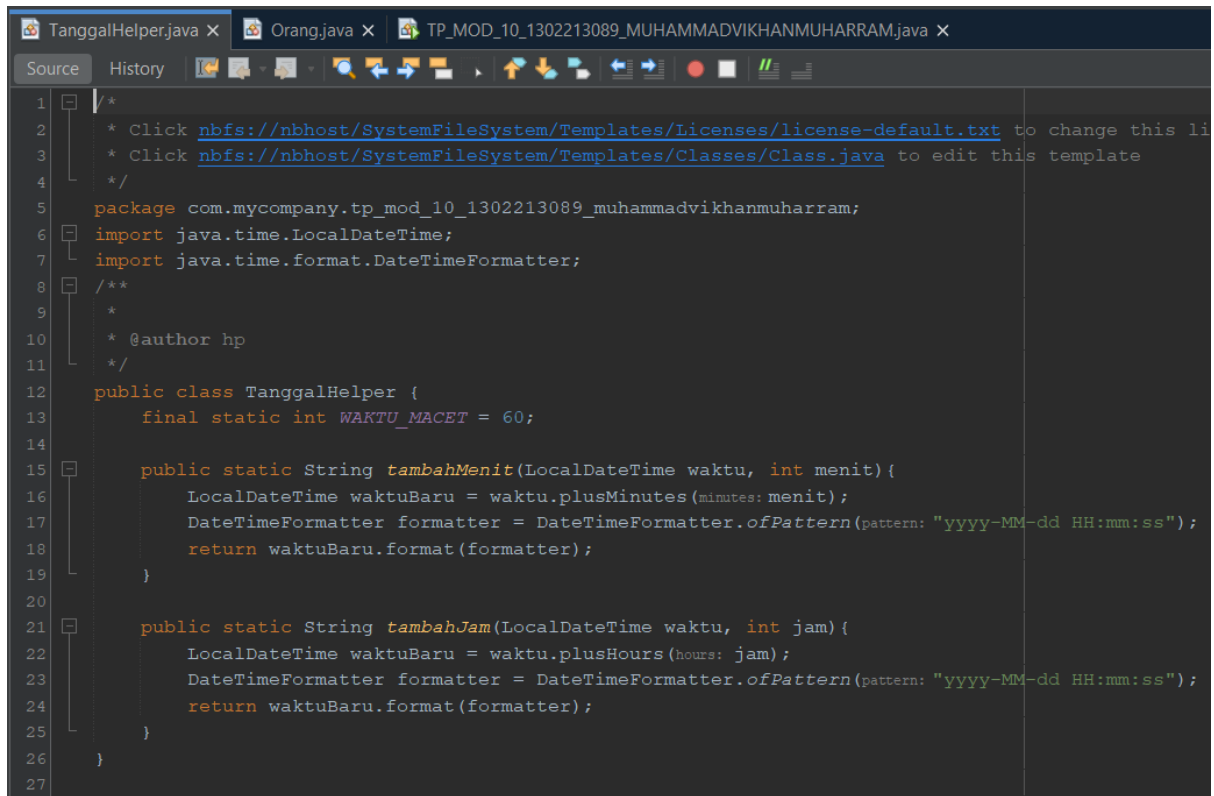Nama   : Muhammad Vikhan Muharram

NIM   : 1302213089
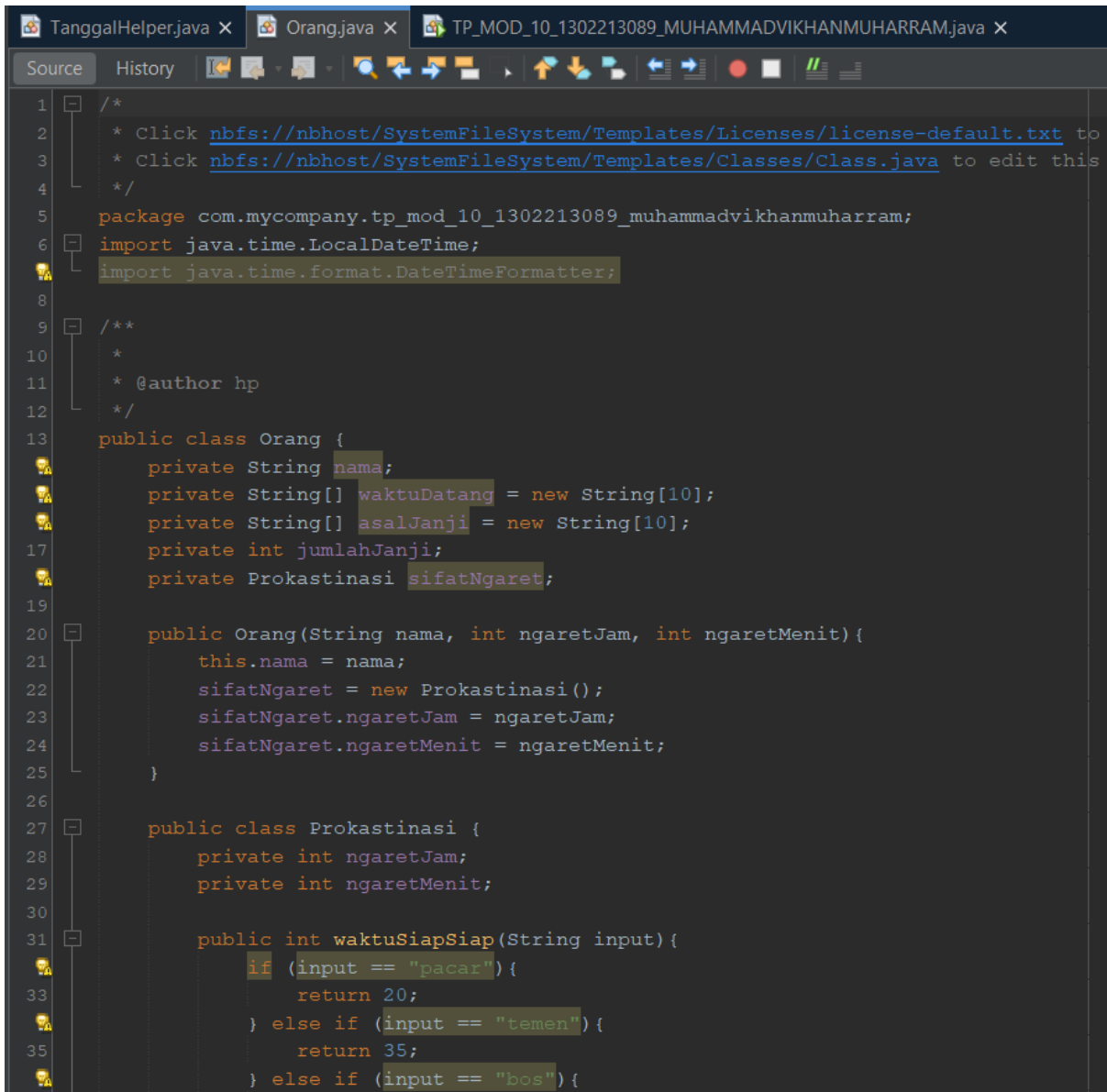
Kelas   : SE-45-01

1. Class TanggalHelper

2. Class Orang
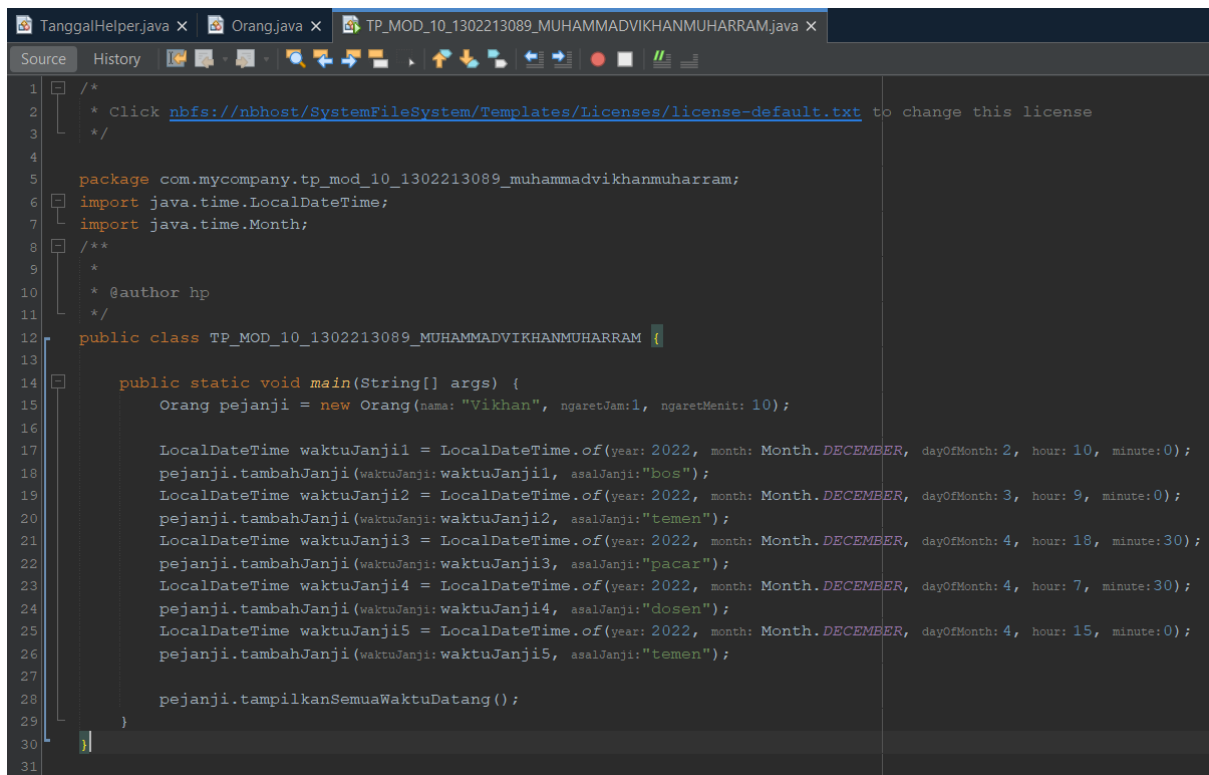
```java
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this
 */
package com.mycompany.tp_mod_10_1302213089_muhammadvikhanmuharram;
import java.time.LocalDateTime;
import java.time.format.DateTimeFormatter;

/**
 *
 * @author hp
 */
public class Orang {
    private String nama;
    private String[] waktuDatang = new String[10];
    private String[] asalJanji = new String[10];
    private int jumlahJanji;
    private Prokastinasi sifatNgaret;

    public Orang(String nama, int ngaretJam, int ngaretMenit){
        this.nama = nama;
        sifatNgaret = new Prokastinasi();
        sifatNgaret.ngaretJam = ngaretJam;
        sifatNgaret.ngaretMenit = ngaretMenit;
    }

    public class Prokastinasi {
        private int ngaretJam;
        private int ngaretMenit;

        public int waktuSiapSiap(String input){
            if (input == "pacar"){
                return 20;
            } else if (input == "temen"){
                return 35;
            } else if (input == "bos"){
```

```java
        } else if (input == "bos"){
            return 10;
        }
        return 45;
    }

    public int waktuKarenaLupa(){
        if (jumlahJanji < 3){
            return 0;
        } else if (jumlahJanji >= 3 && jumlahJanji < 5){
            return 15;
        }
        return 45;
    }
}

public void tambahJanji(LocalDateTime waktuJanji, String asalJanji){
    String waktuDatangBaru = TanggalHelper.tambahMenit(waktu: waktuJanji,
            sifatNgaret.ngaretJam * TanggalHelper.WAKTU_MACET +
            sifatNgaret.ngaretMenit + sifatNgaret.waktuSiapSiap(input: asalJanji)
            + sifatNgaret.waktuKarenaLupa());
    this.asalJanji[jumlahJanji] = asalJanji;
    waktuDatang[jumlahJanji] = waktuDatangBaru;
    jumlahJanji++;
}

public void tampilkanSemuaWaktuDatang() {
    System.out.println("Nama pejanji: "+this.nama);
    System.out.println("ngaretJam: "+this.sifatNgaret.ngaretJam);
    System.out.println("ngaretMenit: "+this.sifatNgaret.ngaretMenit);
    System.out.println(x: "Daftar Waktu Datang: ");
    for (int i = 0; i < jumlahJanji; i++) {
        System.out.println("Janji dengan "+asalJanji[i]+" datang pada " + waktuDatang[i]);
    }
}
    }
}
```
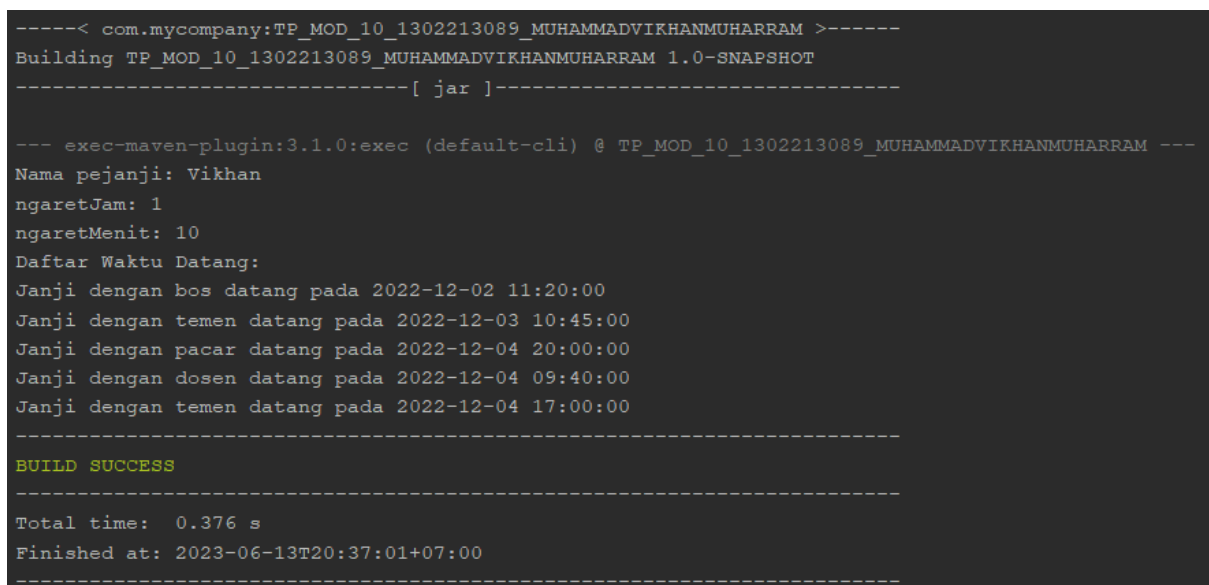
3. main

```java
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 */

package com.mycompany.tp_mod_10_1302213089_muhammadvikhanmuharram;
import java.time.LocalDateTime;
import java.time.Month;
/**
 *
 * @author hp
 */
public class TP_MOD_10_1302213089_MUHAMMADVIKHANMUHARRAM {

    public static void main(String[] args) {
        Orang pejanji = new Orang(nama: "Vikhan", ngaretJam:1, ngaretMenit: 10);

        LocalDateTime waktuJanji1 = LocalDateTime.of(year: 2022, month: Month.DECEMBER, dayOfMonth: 2, hour: 10, minute:0);
        pejanji.tambahJanji(waktuJanji:waktuJanji1, asalJanji:"bos");
        LocalDateTime waktuJanji2 = LocalDateTime.of(year: 2022, month: Month.DECEMBER, dayOfMonth: 3, hour: 9, minute:0);
        pejanji.tambahJanji(waktuJanji:waktuJanji2, asalJanji:"temen");
        LocalDateTime waktuJanji3 = LocalDateTime.of(year: 2022, month: Month.DECEMBER, dayOfMonth: 4, hour: 18, minute:30);
        pejanji.tambahJanji(waktuJanji:waktuJanji3, asalJanji:"pacar");
        LocalDateTime waktuJanji4 = LocalDateTime.of(year: 2022, month: Month.DECEMBER, dayOfMonth: 4, hour: 7, minute:30);
        pejanji.tambahJanji(waktuJanji:waktuJanji4, asalJanji:"dosen");
        LocalDateTime waktuJanji5 = LocalDateTime.of(year: 2022, month: Month.DECEMBER, dayOfMonth: 4, hour: 15, minute:0);
        pejanji.tambahJanji(waktuJanji:waktuJanji5, asalJanji:"temen");

        pejanji.tampilkanSemuaWaktuDatang();
    }
}
```

Output

```
-----< com.mycompany:TP_MOD_10_1302213089_MUHAMMADVIKHANMUHARRAM >------
Building TP_MOD_10_1302213089_MUHAMMADVIKHANMUHARRAM 1.0-SNAPSHOT
--------------------------------[ jar ]---------------------------------

--- exec-maven-plugin:3.1.0:exec (default-cli) @ TP_MOD_10_1302213089_MUHAMMADVIKHANMUHARRAM ---
Nama pejanji: Vikhan
ngaretJam: 1
ngaretMenit: 10
Daftar Waktu Datang:
Janji dengan bos datang pada 2022-12-02 11:20:00
Janji dengan temen datang pada 2022-12-03 10:45:00
Janji dengan pacar datang pada 2022-12-04 20:00:00
Janji dengan dosen datang pada 2022-12-04 09:40:00
Janji dengan temen datang pada 2022-12-04 17:00:00
-----------------------------------------------------------------------
BUILD SUCCESS
-----------------------------------------------------------------------
Total time:  0.376 s
Finished at: 2023-06-13T20:37:01+07:00
-----------------------------------------------------------------------
```