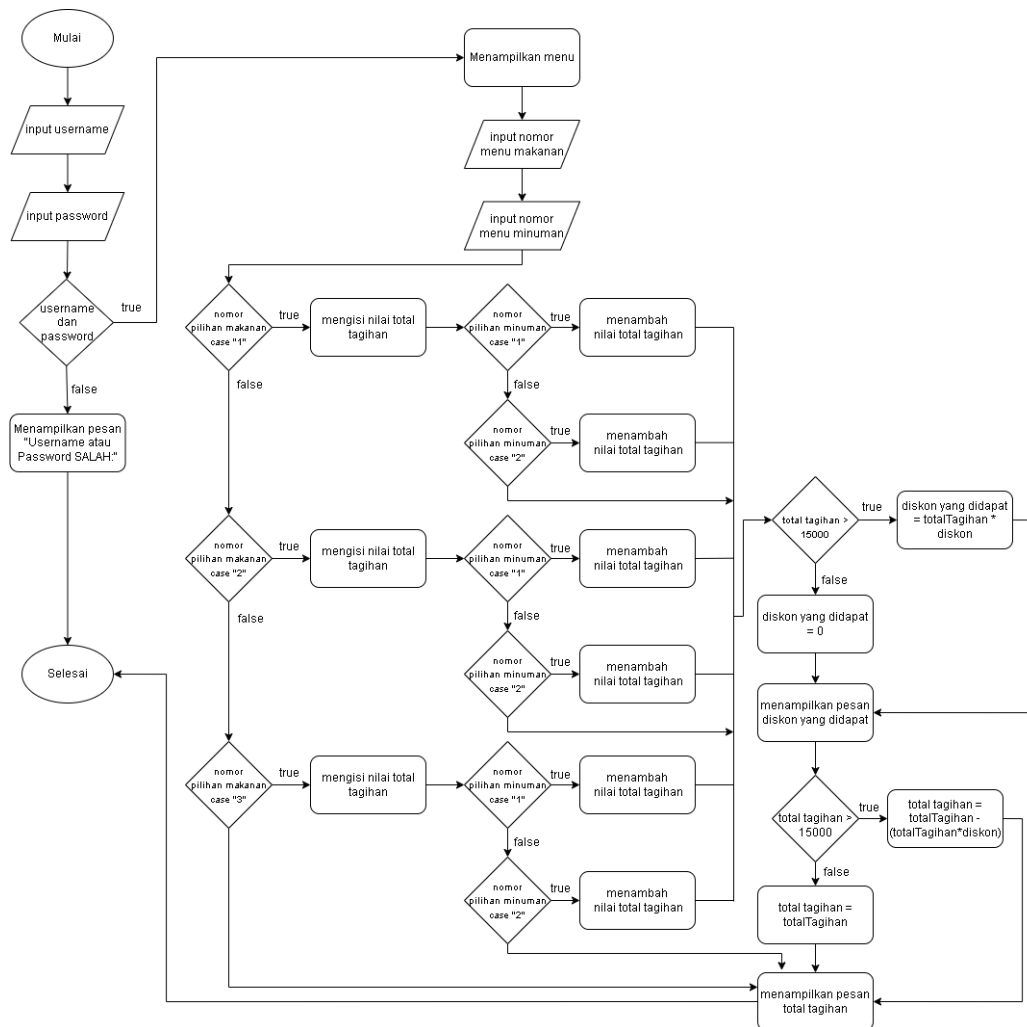


I. Deskripsi Program

Program yang menampilkan total tagihan dan diskon yang didapat jika membeli makanan dan minuman. Program akan meminta input username dan password. Jika benar, program menampilkan menu makanan dan minuman. Di menu makanan ada bakso urat, bakso telur, dan mie ayam. Di menu minuman ada the es dan jus alpukat. Selanjutnya, program akan meminta input nomor pilihan makanan dan nomor pilihan minuman. Kemudian program akan menampilkan diskon yang didapat jika total pembelian lebih dari 15000 maka akan mendapat diskon 10% dan program akan menampilkan total tagihan.

II. Flowchart



III. Source Code

```
package pkg2311016110005_muhammad.azka.raki_utpempdas;

import java.util.Scanner;
```

```

public class AzkaRaki_UTPEMDAS {

    public static void main(String[] args) {
        Scanner input1 = new Scanner(System.in);
        Scanner input2 = new Scanner(System.in);
        String username, password, pilihanMakanan,
        pilihanMinuman;

        float totalTagihan = 0, diskonYangDidapat;
        final float diskon = 0.1f;

        System.out.println("                                Login
");

        System.out.print("Username : ");
        username = input1.nextLine();
        System.out.print("Password : ");
        password = input2.nextLine();
        if (username.equals("muhammad azka raki") &&
        password.equals("2311016110005")) {
            System.out.println("");
            System.out.println("||== Menu Warung Bakso Bang Azka
==|");

            System.out.println("||=====|");
            System.out.println("||Makanan                                :
|");

            System.out.println("||1.                Bakso                Urat
Rp12.000|");
            System.out.println("||2.                Bakso                Telor
Rp13.000|");
            System.out.println("||3.                Mie                Ayam
Rp10.000|");
            System.out.println("||
|");

```

```

        System.out.println("|Minuman                                :
|");

        System.out.println("|1.                                Teh                                Es
Rp3.000|");

        System.out.println("|2.                                Jus                                Alpukat
Rp5.000|");

System.out.println("|=====|");
        System.out.print(" Nomor pilihan makanan: ");
        pilihanMakanan = input1.nextLine();
        System.out.print(" Nomor pilihan minuman: ");
        pilihanMinuman = input2.nextLine();

System.out.println("|=====|");

        switch (pilihanMakanan) {
            case "1":
                totalTagihan = 12000;
                switch (pilihanMinuman) {
                    case "1":
                        totalTagihan += 3000;
                        break;
                    case "2":
                        totalTagihan += 5000;
                        break;
                    default:
                        break;
                }
            case "2":
                totalTagihan = 13000;
                switch (pilihanMinuman) {
                    case "1":
                        totalTagihan += 3000;

```

```

        break;
        case "2":
            totalTagihan += 5000;
            break;
        default:

    }
    break;
    case "3":
        totalTagihan = 10000;
        switch (pilihanMinuman) {
            case "1":
                totalTagihan += 3000;
                break;
            case "2":
                totalTagihan += 5000;
                break;
            default:

        }
        break;

    default:

}

diskonYangDidapat = (totalTagihan > 15000) ?
totalTagihan * diskon : 0;
System.out.println("Diskon          : Rp" +
diskonYangDidapat);

totalTagihan = (totalTagihan > 15000) ? totalTagihan
- (totalTagihan * diskon) : totalTagihan;
System.out.println("Total    tagihan    :    Rp"    +
totalTagihan);

```

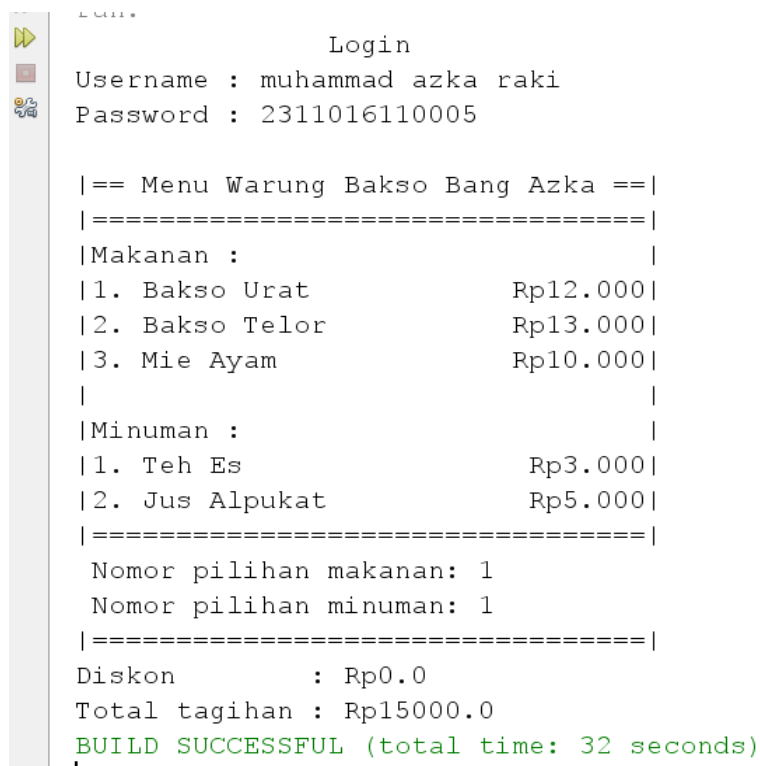
```

        } else {
            System.out.println("Username atau Password SALAH");
        }
    }
}

```

IV. Output

Output dari program yang kalian buat. Setiap percabangan menghasilkan satu output



```

Login
Username : muhammad azka raki
Password : 2311016110005

|== Menu Warung Bakso Bang Azka ==|
|=====|
|Makanan :                          |
|1. Bakso Urat                      Rp12.000|
|2. Bakso Telor                    Rp13.000|
|3. Mie Ayam                       Rp10.000|
|                                  |
|Minuman :                          |
|1. Teh Es                         Rp3.000|
|2. Jus Alpukat                    Rp5.000|
|=====|
| Nomor pilihan makanan: 1          |
| Nomor pilihan minuman: 1          |
|=====|
Diskon          : Rp0.0
Total tagihan  : Rp15000.0
BUILD SUCCESSFUL (total time: 32 seconds)

```

Gambar 4.1 output ketika program dijalankan (nomor menu makanan = 1, nomor menu minuman = 1)

```

Login
Username : muhammad azka raki
Password : 2311016110005

|== Menu Warung Bakso Bang Azka ==|
|=====|
|Makanan :                          |
|1. Bakso Urat                      Rp12.000|
|2. Bakso Telor                     Rp13.000|
|3. Mie Ayam                        Rp10.000|
|                                   |
|Minuman :                          |
|1. Teh Es                          Rp3.000|
|2. Jus Alpukat                     Rp5.000|
|=====|
Nomor pilihan makanan: 1
Nomor pilihan minuman: 2
|=====|
Diskon          : Rp1700.0
Total tagihan  : Rp15300.0
BUILD SUCCESSFUL (total time: 25 seconds)
|

```

Gambar 4.2 output ketika program dijalankan (nomor menu makanan = 1, nomor menu minuman = 2)


```

run:
Login
Username : muhammad azka raki
Password : 2311016110005

|== Menu Warung Bakso Bang Azka ==|
|=====|
|Makanan :                          |
|1. Bakso Urat                      Rp12.000|
|2. Bakso Telor                     Rp13.000|
|3. Mie Ayam                        Rp10.000|
|                                   |
|Minuman :                          |
|1. Teh Es                          Rp3.000|
|2. Jus Alpukat                     Rp5.000|
|=====|
Nomor pilihan makanan: 2
Nomor pilihan minuman: 1
|=====|
Diskon          : Rp1600.0
Total tagihan  : Rp14400.0
BUILD SUCCESSFUL (total time: 15 seconds)

```

Gambar 4.3 output ketika program dijalankan (nomor menu makanan = 2, nomor menu minuman = 1)

A screenshot of a terminal window with a light gray background. On the left side, there is a vertical toolbar with four icons: a green play button, a yellow play button, a red square, and a magnifying glass. The terminal text is as follows:

```
run:
      Login
Username : muhammad azka raki
Password : 2311016110005

|== Menu Warung Bakso Bang Azka ==|
|=====|
|Makanan :                          |
|1. Bakso Urat                      Rp12.000|
|2. Bakso Telor                     Rp13.000|
|3. Mie Ayam                        Rp10.000|
|                                   |
|Minuman :                          |
|1. Teh Es                          Rp3.000 |
|2. Jus Alpukat                     Rp5.000 |
|=====|
Nomor pilihan makanan: 2
Nomor pilihan minuman: 2
|=====|
Diskon          : Rp1800.0
Total tagihan  : Rp16200.0
BUILD SUCCESSFUL (total time: 11 seconds)
```

Gambar 4.4 output ketika program dijalankan (nomor menu makanan = 2, nomor menu minuman = 2)

```

run:
      Login
Username : muhammad azka raki
Password : 2311016110005

|== Menu Warung Bakso Bang Azka ==|
|=====|
|Makanan :                          |
|1. Bakso Urat                      Rp12.000|
|2. Bakso Telor                     Rp13.000|
|3. Mie Ayam                        Rp10.000|
|                                   |
|Minuman :                          |
|1. Teh Es                          Rp3.000|
|2. Jus Alpukat                     Rp5.000|
|=====|
  Nomor pilihan makanan: 3
  Nomor pilihan minuman: 1
|=====|
Diskon          : Rp0.0
Total tagihan  : Rp13000.0
BUILD SUCCESSFUL (total time: 14 seconds)

```

Gambar 4.5 output ketika program dijalankan (nomor menu makanan = 3, nomor menu minuman = 1)

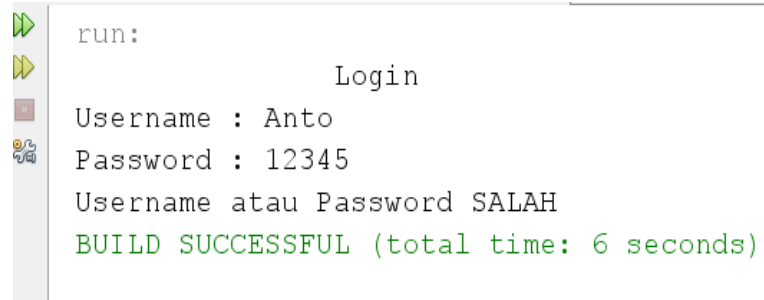
```

run:
      Login
Username : muhammad azka raki
Password : 2311016110005

|== Menu Warung Bakso Bang Azka ==|
|=====|
|Makanan :                          |
|1. Bakso Urat                      Rp12.000|
|2. Bakso Telor                     Rp13.000|
|3. Mie Ayam                        Rp10.000|
|                                   |
|Minuman :                          |
|1. Teh Es                          Rp3.000|
|2. Jus Alpukat                     Rp5.000|
|=====|
  Nomor pilihan makanan: 3
  Nomor pilihan minuman: 2
|=====|
Diskon          : Rp0.0
Total tagihan  : Rp15000.0
BUILD SUCCESSFUL (total time: 16 seconds)

```


Gambar 4.6 output ketika program dijalankan (nomor menu makanan = 3, nomor menu minuman = 2)

A screenshot of a terminal window with a light gray background. On the left side, there is a vertical toolbar with four icons: a green double arrow, a yellow double arrow, a red square, and a magnifying glass. The terminal text is as follows:

```
run:
      Login
Username : Anto
Password : 12345
Username atau Password SALAH
BUILD SUCCESSFUL (total time: 6 seconds)
```

Gambar 4.7 output ketika program dijalankan (kondisi input username atau password salah)

*Note : Simpan file dalam bentuk word dengan nama file “NIM_NAMA_UTPPEMDAS” kemudian simpan kedalam RAR/ZIP