



# Institut Bisnis dan Informatika Kesatuan

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1.

## Program Java – Main.java

```
import java.util.Scanner;
import java.util.ArrayList;
import java.util.List;

import module.Ultra;
import module.Cimory;

public class Main {
    public static Scanner myObj = new Scanner(System.in);
    private String[] MenuList = {"Menginput Product", "Melihat Product"};
    private String[] MyProduct = {"Ultra", "Cimory"};
    private List<Ultra> listUltra = new ArrayList<Ultra>();
    private List<Cimory> listCimory = new ArrayList<Cimory>();

    public static void main(String[] args) {
        Main m = new Main();
        m.InputMenu();
    }

    public void InputMenu() {

        int menu;

        System.out.println("\n\n--PROGRAM PENJUALAN SUSU TOKO. XYZ--");

        System.out.println("Pilih menu:\n");
        int i=1;
        for (String mu : this.MenuList) {
            System.out.println(i+" . "+mu);
```

```

        i++;
    }
    System.out.print("Masukan pilihan menu:");
    String inputMenu = myObj.nextLine();
    menu = Integer.parseInt(inputMenu);

    switch (menu) {
        case 1:
            try {
                this.InputMenuProduct();
            } catch (Exception e) {
                System.out.println("Failed error input menu
produk");
                System.out.println("Error: "+e.getMessage());
            }
            break;
        case 2:
            this.ShowMenuProduct();
            break;

        default:
            System.out.println("Pilihan tidak terdaftar");
            break;
    }
}

public void InputMenuProduct(){
    System.out.println("\n-----");
    System.out.println("Input Product");
    System.out.println("-----\n");
    System.out.println("Pilih Produk:");
    int i=1;
    for (String p : MyProduct) {
        System.out.println(i+" "+p);
        i++;
    }
    System.out.print("Masukan pilihan:");
    int product;
    String inputProduct = myObj.nextLine();
    product = Integer.parseInt(inputProduct);
    switch (product) {
        case 1:
            try {
                listUltra = this.InputUltra();
                this.InputMenu();
            } catch (Exception e) {
                System.out.println("Failed error input produk
Ultra");
            }
        }
    }
}

```

```

        System.out.println("Error: "+e.getMessage());
    }

    break;
case 2:
    try {
        listCimory = this.InputCimory();
        this.InputMenu();
    } catch (Exception e) {
        System.out.println("Failed error input produk
Cimory");
        System.out.println("Error: "+e.getMessage());
    }

    break;

default:
    break;
}
}

public List InputUltra() {
    System.out.println("\n===Input Ultra===");
    System.out.print("Masukan jumlah data yang dimasukan:");
    int jmlData= Integer.parseInt(myObj.nextLine());
    for (int i = 0; i < jmlData; i++) {
        Ultra s = new Ultra();
        System.out.println("#data ke-"+(i+1)+":");
        System.out.print("Rasa = ");
        String Rasa = myObj.nextLine();
        s.setRasa(Rasa);

        System.out.print("Kalsium = ");
        Double kalsium =
Double.parseDouble(myObj.nextLine());
        s.setKalsium(kalsium);

        System.out.print("Kadaluwarsa = ");
        String Kadaluwarsa = myObj.nextLine();
        s.setKadaluwarsa(Kadaluwarsa);

        System.out.print("Harga = ");
        Double Harga =
Double.parseDouble(myObj.nextLine());
        s.setHarga(Harga);

        System.out.print("Zinc = ");

```

```

        double Zinc =
Double.parseDouble(myObj.nextLine());
        s.setZinc(Zinc);

        System.out.print("Vitamin = ");
        double vitamin =
Double.parseDouble(myObj.nextLine());
        s.setVitamin(vitamin);

        System.out.println("-----");
        this.listUltra.add(s);
    }
    System.out.println("\n");
    return this.listUltra;
}

public List InputCimory() {
    System.out.println("\n==Input Cimory==");
    System.out.print("Masukan jumlah data yang dimasukan:");
    int jmlData= Integer.parseInt(myObj.nextLine());
    for (int i = 0; i < jmlData; i++) {
        Cimory s = new Cimory();
        System.out.println("#data ke-"+(i+1)+":");
        System.out.print("Rasa = ");
        String Rasa = myObj.nextLine();
        s.setRasa(Rasa);

        System.out.print("Kalsium = ");
        Double kalsium =
Double.parseDouble(myObj.nextLine());
        s.setKalsium(kalsium);

        System.out.print("Kadaluwarsa = ");
        String Kadaluwarsa = myObj.nextLine();
        s.setKadaluwarsa(Kadaluwarsa);

        System.out.print("Harga = ");
        Double Harga =
Double.parseDouble(myObj.nextLine());
        s.setHarga(Harga);

        System.out.print("Magnesium = ");
        double Magnesium =
Double.parseDouble(myObj.nextLine());
        s.setMagnesium(Magnesium);

        System.out.print("Zat Besi = ");

```

```

        Double zatBesi =
Double.parseDouble(myObj.nextLine());
        s.setZatBesi(zatBesi);

        System.out.println("-----");
        this.listCimory.add(s);
    }
    System.out.println("\n");
    return this.listCimory;
}

public void ShowMenuProduct(){
    System.out.println("==== List Ultra =====");
    for (Ultra s : this.listUltra) {
        System.out.println("Rasa = "+ s.getRasa() );
        System.out.println("Kalsium = "+ s.getKalsium() );
        System.out.println("Kadaluwarsa = "+ s.getKadaluwarsa()
);

        System.out.println("Harga = "+ s.getHarga() );
        System.out.println("Zinc = "+ s.getZinc() );
        System.out.println("Vitamin = "+ s.getVitamin() );
        System.out.println("=====");
    }
    System.out.println();
    System.out.println("==== List Cimory =====");
    for (Cimory s : this.listCimory) {
        System.out.println("Rasa = "+ s.getRasa() );
        System.out.println("Kalsium = "+ s.getKalsium() );
        System.out.println("Kadaluwarsa = "+ s.getKadaluwarsa()
);

        System.out.println("Harga = "+ s.getHarga() );
        System.out.println("Magnesium = "+ s.getMagnesium() );
        System.out.println("Zat Besi = "+ s.getZatBesi() );
        System.out.println("=====");
    }
}
}
}

```

Program Java – Susu.java

```

package module;

public class Susu {
    public String Rasa;
    public double Kalsium;
    public String Kadaluwarsa;
    public double Harga;
}

```

```

    public void setRasa(String Rasa_param) {
        this.Rasa = Rasa_param;
    }

    public void setKalsium(double Kalsium_param) {
        this.Kalsium = Kalsium_param;
    }

    public void setKadaluwarsa(String Kadaluwarsa_param) {
        this.Kadaluwarsa = Kadaluwarsa_param;
    }

    public void setHarga(double Harga_param) {
        this.Harga = Harga_param;
    }

    public String getRasa(){
        return this.Rasa;
    }

    public double getKalsium(){
        return this.Kalsium;
    }

    public String getKadaluwarsa(){
        return this.Kadaluwarsa;
    }

    public double getHarga(){
        return this.Harga;
    }
}

```

#### Program Java – Ultra.java

```

package module;

public class Ultra extends Susu {
    public double Zinc;
    public double Vitamin;

    public void setZinc(double Zinc_param) {
        this.Zinc = Zinc_param;
    }

    public void setVitamin(double Vitamin_param) {
        this.Vitamin = Vitamin_param;
    }

    public double getZinc(){

```

```
        return this.Zinc;
    }

    public double getVitamin(){
        return this.Vitamin;
    }
}
```

Program Java – Cimory.java

```
package module;

public class Cimory extends Susu {
    public double Magnesium;
    public double ZatBesi;

    public void setMagnesium(double Magnesium_param) {
        this.Magnesium = Magnesium_param;
    }

    public void setZatBesi(double ZatBesi_param) {
        this.ZatBesi = ZatBesi_param;
    }

    public double getMagnesium(){
        return this.Magnesium;
    }

    public double getZatBesi(){
        return this.ZatBesi;
    }
}
```

Hasil Program Java

--PROGRAM PENJUALAN SUSU TOKO. XYZ--  
Pilih menu:

1. Menginput Product
  2. Melihat Product
- Masukan pilihan menu:1

-----  
Input Product  
-----

Pilih Produk:  
1. Ultra  
2. Cimory  
Masukan pilihan:1

===Input Ultra===  
Masukan jumlah data yang dimasukan:3  
#data ke-1:  
Rasa = Coklat  
Kalsium = 350.12  
Kadaluwarsa = 12 November 2022  
Harga = 7000  
Zinc = 20.1  
Vitamin = 30

-----  
#data ke-2:  
Rasa = Full plain  
Kalsium = 355.24  
Kadaluwarsa = 14 November 2022  
Harga = 7500  
Zinc = 25.1  
Vitamin = 20

-----  
#data ke-3:  
Rasa = Stroberi  
Kalsium = 345.02  
Kadaluwarsa = 10 November 2022  
Harga = 6500  
Zinc = 30.1  
Vitamin = 40  
-----



--PROGRAM PENJUALAN SUSU TOKO. XYZ--  
Pilih menu:

1. Menginput Product
  2. Melihat Product
- Masukan pilihan menu:1

-----  
Input Product  
-----

Pilih Produk:  
1. Ultra  
2. Cimory  
Masukan pilihan:2

===Input Cimory===  
Masukan jumlah data yang dimasukan:3  
#data ke-1:  
Rasa = Coklat  
Kalsium = 350.12  
Kadaluwarsa = 12 November 2021  
Harga = 13000  
Magnesium = 18.2  
Zat Besi = 32

-----  
#data ke-2:  
Rasa = Full plain  
Kalsium = 355.24  
Kadaluwarsa = 14 November 2021  
Harga = 15000  
Magnesium = 26.1  
Zat Besi = 24

-----  
#data ke-3:  
Rasa = Stroberi  
Kalsium = 345.02  
Kadaluwarsa = 10 November 2021  
Harga = 13000  
Magnesium = 35.1  
Zat Besi = 30  
-----

--PROGRAM PENJUALAN SUSU TOKO. XYZ--  
Pilih menu:

1. Menginput Product

2. Melihat Product

Masukan pilihan menu:2

===== List Ultra =====

Rasa = Coklat

Kalsium = 350.12

Kadaluwarsa = 12 November 2022

Harga = 7000.0

Zinc = 20.1

Vitamin = 30.0

=====

Rasa = Full plain

Kalsium = 355.24

Kadaluwarsa = 14 November 2022

Harga = 7500.0

Zinc = 25.1

Vitamin = 20.0

=====

Rasa = Stroberi

Kalsium = 345.02

Kadaluwarsa = 10 November 2022

Harga = 6500.0

Zinc = 30.1

Vitamin = 40.0

=====

===== List Cimory =====

Rasa = Coklat

Kalsium = 350.12

Kadaluwarsa = 12 November 2021

Harga = 13000.0

Magnesium = 18.2

Zat Besi = 32.0

=====

Rasa = Full plain

Kalsium = 355.24

Kadaluwarsa = 14 November 2021

Harga = 15000.0

Magnesium = 26.1

Zat Besi = 24.0

=====

Rasa = Stroberi

Kalsium = 345.02

Kadaluwarsa = 10 November 2021

Harga = 13000.0

Magnesium = 35.1

Zat Besi = 30.0

=====

2.

