

PROJECT UTS OOP 1

OBJECT ORIENTED PROGRAMMING 1

( CRUD TOKO SMARTPHONE )

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TEKNIK INFORMATIKA

POLITEKNIK HARAPAN BERSAMA TEGAL

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## CODE PROGRAM

### Smartphoneshop.java

```
package entity;
```

```
public class smartphoneshop {
```

```
    private String label;
```

```
    private String harga;
```

```
    private String serie;
```

```
    private String warna;
```

```
    public smartphoneshop(String label, String harga, String serie, String warna) {
```

```
        this.label = label;
```

```
        this.harga = harga;
```

```
        this.serie = serie;
```

```
        this.warna = warna;
```

```
    }
```

```
    public boolean equals(Object object) {
```

```
        smartphoneshop smpshp = (smartphoneshop) object;
```

```
        return label.equals(smpshp.getLabel());
```

```
    }
```

```
    public String getLabel() {
```

```
        return label;
```

```
    }
```

```
    public void setLabel(String label) {
```

```
        this.label = label;
```

```
    }
```

```
public String getHarga() {  
    return harga;  
}
```

```
public void setHarga(String harga) {  
    this.harga = harga;  
}
```

```
public String getSeris() {  
    return seris;  
}
```

```
public void setSeris(String seris) {  
    this.seris = seris;  
}
```

```
public String getWarna() {  
    return warna;  
}
```

```
public void setWarna(String warna) {  
    this.warna = warna;  
}  
}
```

## Smartphoneshopdata.java

```
package data;

import java.util.*;
import entity.*;

public class smartphoneshopdata {

    private static List<smartphoneshopdata> data = new LinkedList<smartphoneshopdata>();

    public void tambahData(smartphoneshopdata smpshp) {
        data.add(smpshp);
        System.out.println("data smartphone telah tersimpan");
    }

    public void ubahData(smartphoneshopdata smpshp) {
        int idx = data.indexOf(smpshp);
        if(idx >= 0) {
            data.set(idx, smpshp);
            System.out.println("data smartphone telah berubah");
        }
    }

    public void hapusData(String label) {
        int idx = data.indexOf(new smartphoneshopdata(label, "", "", "" ));
        if(idx >= 0) {
            data.remove(idx);
            System.out.println("data smartphone telah terhapus");
        }
    }
}
```

```
public void tampilkanData() {  
    System.out.println("\n--= Data Smartphoneshop =--");  
    int urutan = 1;  
    for (smartphoneshopdata smpshp : data){  
        System.out.println("data ke-" + urutan++);  
        System.out.println(" LABEL : " + smpshp.getLabel());  
        System.out.println(" HARGA : " + smpshp.getHarga());  
        System.out.println(" SERIS : " + smpshp.getSeris());  
        System.out.println(" WARNA : " + smpshp.getWarna());  
    }  
}  
  
}
```

## **Aplikasi.java**

```
import data.*;
import entity.*;
import java.util.*;

public class Aplikasi {

    private static smartphoneshopdata service;
    private static Scanner scanner;

    public static void main(String[] args) {
        service = new smartphoneshopdata();
        scanner = new Scanner(System.in);

        int opsi = 5;
        do {
            tampilkanMenu();
            opsi = scanner.nextInt();
            seleksi(opsi);
        } while(opsi != 5);
    }

    private static void seleksi(int opsi) {
        switch(opsi) {
            case 1:
                callFormTambahData();
                break;
            case 2:
                callFormUbahData();
                break;
```

```

        case 3:
            callFormHapusData();
            break;
        case 4:
            service.tampilkanData();
            break;
    }
}

```

```

private static void callFormHapusData() {
    scanner = new Scanner(System.in);
    System.out.print("LABEL : ");
    String label = scanner.nextLine();
    service.hapusData(label);
}

```

```

private static void callFormUbahData() {
    scanner = new Scanner(System.in);
    String label, harga, seris, warna;

    System.out.println("\n= Form Ubah Data Smartphone =-");
    System.out.print("LABEL : ");
    label = scanner.nextLine();
    System.out.print("HARGA : ");
    harga = scanner.nextLine();
    System.out.print("SERIS : ");
    seris = scanner.nextLine();
    System.out.print("WARNA : ");
    warna = scanner.nextLine();
    service.ubahData(new smartphone(label, harga, seris, warna));
}

```

```
}
```

```
private static void callFormTambahData() {  
    scanner = new Scanner(System.in);  
    String label, harga, seris, warna;  
  
    System.out.println("\n-= Form Tambah Data Smartphone =-");  
    System.out.print("LABEL : ");  
    label= scanner.nextLine();  
    System.out.print("HARGA : ");  
    harga = scanner.nextLine();  
    System.out.print("SERIS : ");  
    seris = scanner.nextLine();  
    System.out.print("WARNA : ");  
    warna = scanner.nextLine();  
    service.tambahData(new smartphonestop(label, harga, seris, warna));  
}
```

```
private static void tampilkanMenu() {  
    System.out.println("\n---= Aplikasi Data Toko Smartphone ===");  
    System.out.println("1. Tambah Data");  
    System.out.println("2. Ubah Data");  
    System.out.println("3. Hapus Data");  
    System.out.println("4. Tampilkan Data");  
    System.out.println("5. KELUAR");  
    System.out.println("-----");  
    System.out.print ("opsi > ");  
}
```

```
}
```