

Nama : Riza Harun Effendi

Kelas : 4B

NIM : 17090126

Project-ServisHp

Entitiy => Hp.java

```
package entity;

public class Hp{

    private String no;
    private String nama;
    private String alamat;
    private String merk_hp;
    private String krs;
    private String biaya;

    public Hp(String no, String nama, String alamat, String merk_hp, String krs, String biaya) {
        this.no = no;
        this.nama = nama;
        this.alamat = alamat;
        this.merk_hp = merk_hp;
        this.krs = krs;
        this.biaya = biaya;
    }

    public String getNo() {
        return no;
    }

    public void setNo(String no) {
        this.no = no;
    }

    public String getNama() {
        return nama;
    }

    public void setNama(String nama) {
        this.nama = nama;
    }

    public String getAlamat() {
        return alamat;
    }

    public void setAlamat(String alamat) {
        this.alamat = alamat;
    }

    public String getMerk_hp() {
        return merk_hp;
    }
}
```

```

    }

    public void setMerk_hp(String merk_hp) {
        this.merk_hp = merk_hp;
    }

    public String getKrs() {
        return krs;
    }

    public void setKrs(String krs) {
        this.krs = krs;
    }

    public String getBiaya() {
        return biaya;
    }

    public void setBiaya(String biaya) {
        this.biaya = biaya;
    }

    public boolean equals(Object object){
        Hp tmp = (Hp) object;
        return no.equals(tmp.getNo());
    }
}

```

Service => ServiceHp.java

```

package service;

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

public class ServiceHp{

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

    public void tambahData(Hp hp) {
        ServiceHp.data.add(hp);
        System.out.println("Data Pelanggan Tersimpan");
    }

    public void ubahData(Hp hp) {
        int result = data.indexOf(hp);
        if(result >= 0) {
            data.set(result, hp);
            System.out.println("Data Pelanggan Telah Berubah");
        }
    }

    public void hapusData(String no) {
        int idx = data.indexOf(new Hp(no, "", "", "", ""));
        if(idx >= 0) {
            data.remove(idx);
            System.out.println("Data Pelanggan Telah Terhapus");
        } else {
            System.out.println("Data Kosong");
        }
    }
}

```

```

    }

    public void cetakData() {
        System.out.println("-----Cetak Data Pelanggan-----");
        int i=1;
        for(Hp hp : data) {
            System.out.println("data ke-" + i++);
            System.out.println("    No Urut    : " + hp.getNo());
            System.out.println("    Nama      : " + hp.getNama());
            System.out.println("    Alamat    : " + hp.getAlamat());
            System.out.println("    Merk Hp   : " + hp.getMerk_hp());
            System.out.println("    Kerusakan : " + hp.getKrs());
            System.out.println("    Biaya     : " + hp.getBiaya());

        }
    }
}

```

### Aplikasi.java

```

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

public class Aplikasi {

    private static ServiceHp service;
    private static Scanner scanner;

    public static void main(String[] args) {
        service = new ServiceHp();

        int opsi = 5;
        do {
            cetakMenu();
            scanner = new Scanner(System.in);
            try {
                opsi = scanner.nextInt();
            } catch (Exception e) {
                System.err.println("Cek Kembali Inputannya");
                opsi = 0;
            }
            prosesMenu(opsi);
        } while (opsi != 5);
    }

    private static void prosesMenu(int opsi) {
        switch (opsi) {
            case 1:
                formTambahData();
                break;
            case 2:
                formUbahData();
                break;
            case 3:
                formHapusData();
                break;
            case 4:
                service.cetakData();
                break;
        }
    }
}

```

```

        case 5:
            System.out.println("Terima Kasih Telah Menggunakan");
            System.out.println("Aplikasi Kami.");
        }
    }

    private static void formHapusData() {
        System.out.println("\n---Form Hapus Data---");
        scanner = new Scanner(System.in);
        System.out.print("No Urut : ");
        String no = scanner.nextLine();
        service.hapusData(no);
    }

    private static void formUbahData() {
        String no, nama, alamat, merk_hp, krs, biaya;
        System.out.println("\n---Form Ubah Data---");
        scanner = new Scanner(System.in);
        System.out.print("No Urut : ");
        no = scanner.nextLine();
        System.out.print("Nama : ");
        nama = scanner.nextLine();
        System.out.print("Alamat : ");
        alamat = scanner.nextLine();
        System.out.print("Merk Hp : ");
        merk_hp = scanner.nextLine();
        System.out.print("Kerusakan : ");
        krs = scanner.nextLine();
        System.out.print("Biaya : ");
        biaya = scanner.nextLine();
        service.ubahData(new Hp(no, nama, alamat,
            merk_hp, krs, biaya));
    }

    private static void formTambahData() {
        String no, nama, alamat, merk_hp, krs, biaya;
        System.out.println("\n---Form Tambah Data---");
        scanner = new Scanner(System.in);
        System.out.print("No Urut : ");
        no = scanner.nextLine();
        System.out.print("Nama : ");
        nama = scanner.nextLine();
        System.out.print("Alamat : ");
        alamat = scanner.nextLine();
        System.out.print("Merk Hp : ");
        merk_hp = scanner.nextLine();
        System.out.print("Kerusakan : ");
        krs = scanner.nextLine();
        System.out.print("Biaya : ");
        biaya = scanner.nextLine();
        service.tambahData(new Hp(no, nama, alamat,
            merk_hp, krs, biaya));
    }

    private static void cetakMenu() {
        System.out.println("---- Aplikasi Servis HP ----");
        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  (" Masukan Pilihan => ");  
    }  
}
```