LAPORAN PRAKTIKUM ALGORITMA DAN STRUKTUR DATA

3.2. KUIS 1

```java
package Kuis1_25_Salsabila_1F;

public class ExtraVaganzaItem25 {
    String name, category;
    int stock, price;

    public ExtraVaganzaItem25(String name, String category, int stock, int price){
        this.name = name;
        this.category = category;
        this.stock = stock;
        this.price = price;

    }

    void updateHarga(int hrg) {
        price = hrg;
    }
}
```

```java
package Kuis1_25_Salsabila_1F;

import java.util.Scanner;

public class ApotekMain25 {

        static void Menu() {
            Transaction25 tr = new Transaction25();
            Scanner input25 = new Scanner(System.in);
            int choice;
            char pilih;

                System.out.println(x:"==========APT Pharmacy==========");
                System.out.println(x:"Menu : ");
                System.out.println(x:"1. Input Data");
                System.out.println(x:"2. Display data");
                System.out.println(x:"3. Update harga");
                System.out.println(x:"4. Penjualan");
                System.out.println(x:"5. Exit");
                System.out.printf(format:"select menu : ");
                choice = input25.nextInt();

                switch(choice) {
                    case 1 :
                        tr.addData(data:null);
                        System.out.println(x:"Data Obat Berhasil Ditambahkan!!!");
                        System.out.println(x:"Apakah ingin kembali ke menu? (y/n)");
                        Menu();
                        return;
                    case 2 :
                        tr.tampilData();
                        Menu();
                        return;
                    case 3 :
                        tr.updateHarga();
                        Menu();
                        return;
                    case 4 :
                        Menu();
                        return;
                    case 5 :
                        break;
                    default :
                        System.out.println(x:"pilihan tidak valid");
                        Menu();
                }
                System.out.print(s:"Apakah anda ingin kembali ke menu ? (y/t) ");
                pilih = input25.next().charAt(index:0);
        }


        public static void main(String[] args) {
            Menu();
        }
}
```

```java
package Kuis1_25_Salsabila_1F;

public class Transaction25 {
    String name;
    ExtraVaganzaItem25[] arrTransaction;

    public void addData(ExtraVaganzaItem25[] data) {
        this.arrTransaction = data;
    }

    public int getIndexByName(String name) {
        int index = -1;

        if (arrTransaction != null) {
            for (int i = 0; i < arrTransaction.length; i++) {
                if (arrTransaction[i] != null && arrTransaction[i].getClass() != null && arrTransaction[i].getClass().equals(name)) {
                    index = i;
                    break;
                }
            }
        }

        return index;
    }

    public void tampilData() {
        ExtraVaganzaItem25 data1 = new ExtraVaganzaItem25(name:"paracetamol", category:"Obat", stock:5, price:10000);
        ExtraVaganzaItem25 data2 = new ExtraVaganzaItem25(name:"vitamin A", category:"Vitamin", stock:10, price:15000);
        ExtraVaganzaItem25 data3 = new ExtraVaganzaItem25(name:"KF 95 Mask",category:"mask", stock:15, price:5000);
        ExtraVaganzaItem25 data4 = new ExtraVaganzaItem25(name:"hand gel Antis",category:"sanitize", stock:25, price:20000);

        ExtraVaganzaItem25[] tampil = new ExtraVaganzaItem25[4];
        tampil[0] = data1;
        tampil[1] = data2;
        tampil[2] = data3;
        tampil[3] = data4;

        for (int i = 0; i < tampil.length; i++) {
            System.out.println("name:  " + tampil[i].name);
            System.out.println("category: "+tampil[i].category);
            System.out.println("stock: "+tampil[i].stock);
            System.out.println("price: "+tampil[i].price);
        }
        System.out.println(x:"=====================================");
    }

    public void updateHarga() {
        System.out.println(x:"=========APT Pharmacy==========");
        System.out.println(x:"Apakah ingin kembali ke menu? (y/n)");
    }
}
```

```
PS D:\PrakASD_1F_25>  & 'C:\Program Files\Java\
f0e4e3b\bin' 'Kuis1_25_Salsabila_1F.ApotekMain
==========APT Pharmacy==========
Menu :
1. Input Data
2. Display data
3. Update harga
4. Penjualan
5. Exit
select menu : 1
Data Obat Berhasil Ditambahkan!!!
Apakah ingin kembali ke menu? (y/n)
==========APT Pharmacy==========
Menu :
1. Input Data
2. Display data
3. Update harga
4. Penjualan
5. Exit
select menu : 2
name:   paracetamol
category: Obat
stock: 5
price: 10000
name:   vitamin A
category: Vitamin
stock: 10
price: 15000
name:   KF 95 Mask
category: mask
stock: 15
price: 5000
name:   hand gel Antis
category: sanitize
stock: 25
price: 20000
=======================================
==========APT Pharmacy==========
Menu :
1. Input Data
2. Display data
3. Update harga
4. Penjualan
5. Exit
select menu : 
```