

# Pemograman Berorientasi Objek

## TUGAS Perkuliahan sesi 5

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### 1. Source Code

```
public class Product { private int
    mProductID; private String
    mProductName; private double mPrice;
    private int mQuantity;

    public Product(int productID, String productName, double price, int qty){
        setProduct(productID, productName, price, qty);
    }

    public void setProduct(int productID, String productName, double price, int qty){
        mProductID = productID; mProductName = productName; mPrice = price; mQuantity =
        qty;
    }

    public int getProductID(){ return
        mProductID;
    }

    public String getProductName(){ return
        mProductName;
    }

    public double getPrice(){ return mPrice;
    }

    public int getQty(){
```

```

        return mQuantity;
    }

    public void print(){
        System.out.println("ID Product: " + mProductID);
        System.out.println("Name: " + mProductName);
        System.out.println("Price: " + mPrice);
        System.out.println("Quantity: " + mQuantity); }

    public static void main(String[] args){
        Product tBarang = new Product(000110242021, "Aqua Botol", 5000, 1);
        tBarang.print();
    }
}

```

### Screenshot Hasil Akhir

The screenshot shows an IDE with a Java file named 'Product.java'. The code defines a 'Product' class with attributes 'mProductID', 'mProductName', 'mPrice', and 'mQuantity'. It includes a 'print()' method to display these attributes and a 'main()' method that creates a 'Product' object 'tBarang' with the values (000110242021, 'Aqua Botol', 5000, 1) and calls 'tBarang.print()'. The 'Run' button is highlighted, and the output console shows the execution results: 'ID Product: 000110242021', 'Name: Aqua Botol', 'Price: 5000.0', and 'Quantity: 1'. The process finished with exit code 0.

```

// Product.java
public class Product {
    private int mProductID;
    private String mProductName;
    private double mPrice;
    private int mQuantity;

    public void print(){
        System.out.println("ID Product: " + mProductID);
        System.out.println("Name: " + mProductName);
        System.out.println("Price: " + mPrice);
        System.out.println("Quantity: " + mQuantity);
    }

    public static void main(String[] args){
        Product tBarang = new Product(000110242021, "Aqua Botol", 5000, 1);
        tBarang.print();
    }
}

```

```

C:\Program Files\Java\jdk-8.0.331\bin\java.exe
ID Product: 000110242021
Name: Aqua Botol
Price: 5000.0
Quantity: 1
Process finished with exit code 0

```

2. Table Product yang merupakan :

- a) Atribut/Field : mProductID, mProductName, mPrice, mQuantity
- b) Konstruktor :

```
public Product(int productID, String productName, double price, int qty){  
    setProduct(productID, productName, price, qty);  
}
```

- c) Fungsi Getter :

```
public int getProductID(){  
    return mProductID;  
}  
  
public String getProductName(){  
    return mProductName;  
}  
  
public double getPrice(){  
    return mPrice;  
}  
  
public int getQty(){  
    return mQuantity;  
}
```

- d) Fungsi Setter :

```
public void setProduct(int productID, String productName, double price, int  
    qty){ mProductID = productID; mProductName = productName; mPrice =  
    price;  
    mQuantity = qty;  
}
```