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Kelas : SIB 1B No : 17

Matkul: Praktikum Algoritma Struktur Data

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Percobaan 1

- 1. Masing masing memiliki attribute dan method
- 2. 5 -> judul, pengarang, halaman, stok, harga
- 3. 4 -> tampilInformasi, terjual, restock, gantiHarga

4.

```
void terjual(int jmlh) {
   if (this.stok \leq 0) {
      return;
   }
   this.stok -= jmlh;
}
```

5. Karena yg direstock adalah attribute stock, stok = jumlah

Percobaan 2

```
Buku17 buku1 = new Buku17();
```

- 2. Memakai (.) contoh buku2.judul
- 3. Karena attribute diganti dengan menggunakan method yg ada di class Buku

Percobaan 3

1.

```
public Buku17(String jdl, String pg, int hal, int stok, int har)
    this.judul = jdl;
    this.pengarang = pg;
    this.halaman = hal;
    this.stok = stok;
    this.harga = har;
}
```

- 2. Memanggil object baru dengan mengisi attribute di konstruktor
- 3. Error, karena di file BukuMain object buku2 memanggil konstruktor berparameter
- 4. Tidak, karena bisa diakses tidak berurutan

```
Buku17 bukuMahasiswa = new Buku17(jdl:"The C Programing Language", pg:"someone", hal:0, stok:0, har:0);
```

```
package practicum;

public class Main {
   public static void main(String[] args) {
        Bukul7 bukul = new Bukul7("Foo", "John Doe", 10, 100, 10_000);
        bukul.hitungHarqaTotal();
        bukul.hitungDiskon();
        bukul.tampilInformast();
   }
}
```

```
• • •
                  void tampilInformasi() {
   System.out.println("Judul : " + this.judul);
   System.out.println("Pengarang : " + this.pengarang);
   System.out.println("halaman : " + this.halaman);
   System.out.println("Stok : " + this.stok);
   System.out.println("Harga : " + this.harga);
   System.out.println("Total Harga : " + this.hargaTotal);
```

```
• • •
class Main {
   static Dragon dragon = new Dragon(5, 5);
   static Scanner sc = new Scanner(System.in);
                                  while (true) {
    System.out.println();
    System.out.printf("width : %d\nheight : %d\n", dragon.width, dragon.height);
    System.out.println();
    System.out.println("1. Move left");
    System.out.println("2. Move right");
    System.out.println("3. Move up");
    System.out.println("4. Move bottom");
    System.out.println("5. print position");
    System.out.println();
    System.out.println();
    System.out.printl("enter value? (0 : exit) : ");
    int input = sc.nextInt();
    System.out.println();
```

```
• • •
public class Dragon {
      boolean detectCollision(int x, int y) { return x < 0 \mid \mid x > this.width \mid \mid y < 0 \mid \mid y > this.height;
```