

Nama Event : **CASE STUDY OBJECT-ORIENTED**

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Detail Waktu Acara : 26 – 1 – 2026, 11.00 – 13.00 Wita

Nama Mentor : Audy Wisuda Pratama

Nama Moderator : Mas Dayat & mba puput

Judul Ice Breaking :

KODINGAN

Tugas 1

```
Dicoding-Test > JS PR1.js > Hewan
1  class Hewan {
2      breed;
3      usia;
4      gender;
5      makeSound(){          //mengeluarkan suara masing2
6          console.log("suara hewan");
7      }
8
9
10 }
11
12 class Kucing extends Hewan{
13     jumlahKaki=4;
14     constructor(nama,usia,gender,breed){
15         super();
16         this.nama = nama;
17         this.usia= usia;
18         this.gender = gender;
19         this.breed =breed;
20     }
21     makeSound(){
22         console.log("meong");
23     }
24 }
25
26
```

```

class Anjing extends Hewan{
    jumlahKaki=4;
    constructor(nama,usia,gender,breed){
        super();
        this.nama = nama;
        this.usia= usia;
        this.gender = gender;
        this.breed =breed;
    }
    makeSound(){
        console.log("guguk");
    }
}

```

```

class Sapi extends Hewan{
    jumlahKaki=4;
    constructor(nama,usia,gender,breed){
        super();
        this.nama = nama;
        this.usia= usia;
        this.gender = gender;
        this.breed =breed;
    }
}

```

Welcome

JS coba1.js 6, U

JS PR1.js U X

Dicoding-Test > JS PR1.js > Hewan

42 class Sapi extends Hewan{

44 constructor(nama,usia,gender,breed){

50 }

51 makeSound(){

52 console.log("moo");

53 }

54 }

55 }

56

57

58

59 const kucing1 = new Kucing("Milo", 2, "Jantan", "Persia");

60

61 console.log(kucing1.nama); // Milo

62 console.log(kucing1.jumlahKaki); // 4

63 kucing1.makeSound(); // Meong

64 const sapi1 = new Sapi("Lembu", 3, "Betina", "Simental");

65 sapi1.makeSound();

66 const anjing1 = new Anjing("bulldog", 3, "Betina", "wowbanget");

67 anjing1.makeSound();

68 console.log(sapi1);

69 console.log(kucing1);

70 console.log(anjing1);

71

PROBLEMS 6 OUTPUT DEBUG CONSOLE TERMINAL PORTS

powershell - Dicoding-Test

PS C:\Users\ukku\Downloads\Compressed> cd .\Dicoding-Test\

PS C:\Users\ukku\Downloads\Compressed\Dicoding-Test> node .\PR1.js

Milo

4

meong

moo

guguk

Sapi {

breed: 'Simental',

usia: 3,

Tugas 2

```
Dicoding-Test > JS PR2.js > Orang
1 class Orang {
2     nama;
3     #usia;
4     #gender;
5     #totalEnergi;
6
7     constructor(nama, usia, gender, totalEnergi = 10) {
8         this.nama = nama;
9         this.#usia = usia;
10        this.#gender = gender;
11        this.#totalEnergi = totalEnergi;
12    }
13
14    // ===== GETTER & SETTER =====
15    get usia() {
16        return this.#usia;
17    }
18    get gender() {
19        return this.#gender;
20    }
21    get totalEnergi() {
22        return this.#totalEnergi;
23    }
24
25    set totalEnergi(nilai) {
26        this.#totalEnergi = nilai < 0 ? 0 : nilai;
27    }
28
29    // ===== HELPER =====
30    #energiCukup(kebutuhan) {
31        if (this.#totalEnergi < kebutuhan) {
32            console.log(`${this.nama} status capek perlu istirahat ☹`);
33            return false;
34        }
35        return true;
36    }
37
38    // ===== AKTIVITAS =====
39    makanMinum() {
40        let tambah;
41
42        if (this.#usia <= 10) tambah = 6;
43        else if (this.#usia <= 25) tambah = 4;
44        else tambah = 2;
45
46        this.totalEnergi += tambah;
47        console.log(`${this.nama} makan & minum ☺ energi ${tambah}`);
48    }
49}
```

TERMS 6 OUTPUT DEBUG CONSOLE **TERMINAL** PORTS powershell - Dicoding-Test + v [icon] [icon] ... [icon] [icon]

