# LAPORAN PRAKTIKUM 6 PEMOGRAMAN BERORIENTASI OBYEK

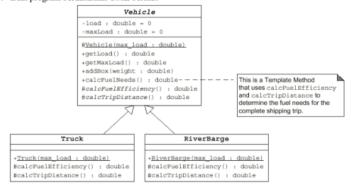


**Disusun Oleh:** 

Ahmad Donny Damanik 21091397008

# PROGRAM STUDI D4 MANAJEMEN INFORMATIKA PROGRAM VOKASI UNIVERSITAS NEGERI SURABAYA

2022



1.

### **Source Code**

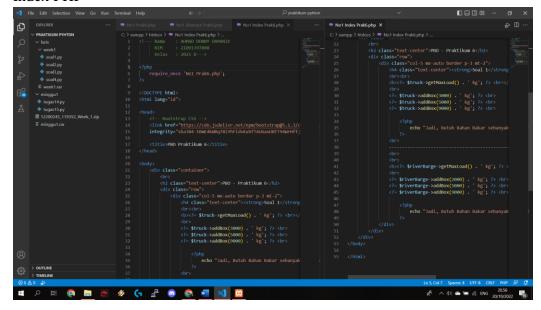
### ♦ PHP

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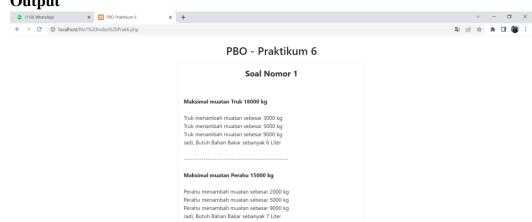
#### ♦ Abstract PHP

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# ♦ Index PHP

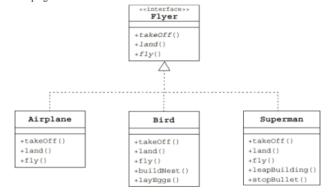


# ♦ Output



# ♦ Analisa

Implementasi dari Abstract method di letakkan pada class Vehicle sebagai parent class dan diakses oleh child classnya yaitu class Truk, dan class RiverBarge, method calcFuelNeeds digunakan untuk menghitung bahan bakar yang digunakan. yang akan mengembalikan nilai yang dihasilkan dari pembagian 2 method yaitu calcFuelEfficiency dan calcTripDistance



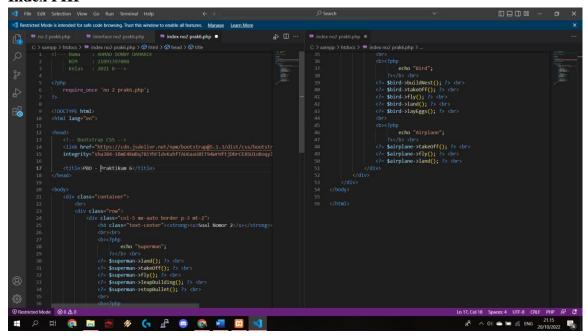
2.

#### **Source Code**

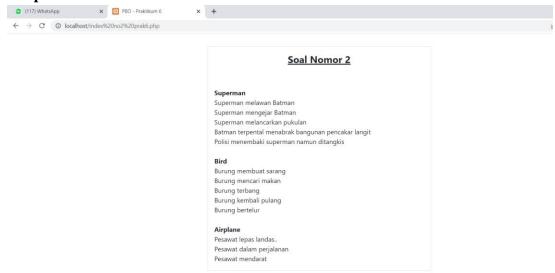
#### ♦ PHP

#### **♦ Interface PHP**

### **♦ Index PHP**

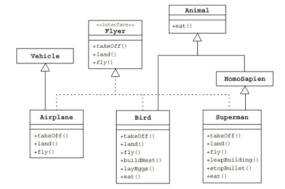


# ♦ Output



### ♦ Analisa

Implementasi Polymhorpism dengan penggunaan Interface Flyer sehingga semua class yang Implements dari interface Fyler harus memiliki method takeoff, land, dan fly.



**3.** 

### **Source Code**

#### **♦ Interface PHP**

#### ♦ PHP

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```
public function fly()

return "$this->name melancarkan pukulan";

public function leapBuilding()

return "Batman terpental menabrak bangunan pencakar langit";

public function stopBullet()

return "Batman terpental menabrak bangunan pencakar langit";

public function stopBullet()

return "Polisi menembaki $this->name namun ditangkis";

return "Polisi menembaki $this->name namun ditangkis";

stopperman = new Animal('Burung');

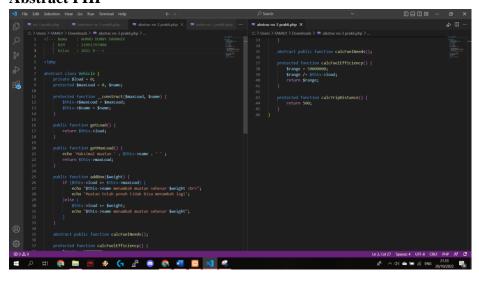
smanusia = new Animal('Burung');

smanusia = new Homosapiens('Aransha');

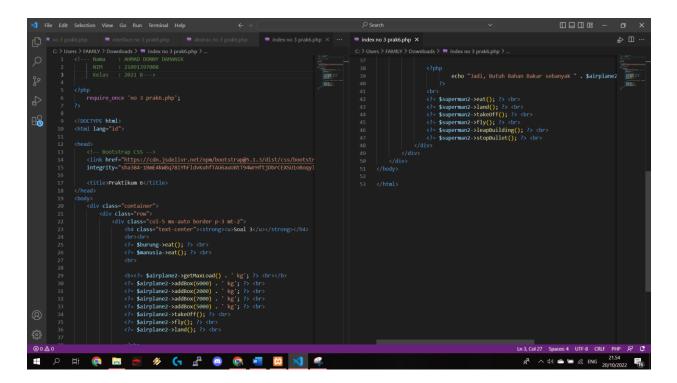
sairplane2 = new Airplane2(25090, 'Batik Air');

ssuperman2 = new Auriplane2(55090, 'Batik Air');
```

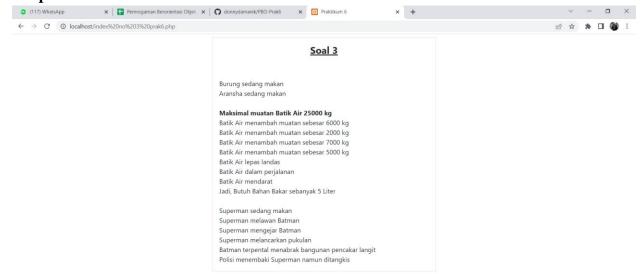
**♦** Abstract PHP



#### ♦ Index PHP

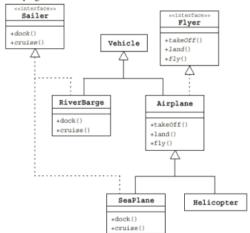


# ♦ Output



### ♦ Analisa

Terdapat interface Flyer dan abtract class Vehicle. Class airplane implementasi dari interface Flyer dan turunan dari Vehicle sehingga class Airplane harus memiliki method calcFuelNeeds, takeoff, land, dan fly. Class Bird implementasi dari Flyer dan turunan dari Animal sehingga memiliki method takeoff, land, fly, dan eat. Class Superman turunan dari homosapiens yang juga turunan dari Animal, serta implementasi dari interface Flyer. Maka class Superman memiliki method eat, takeoff, land, fly.



**Source Code** 

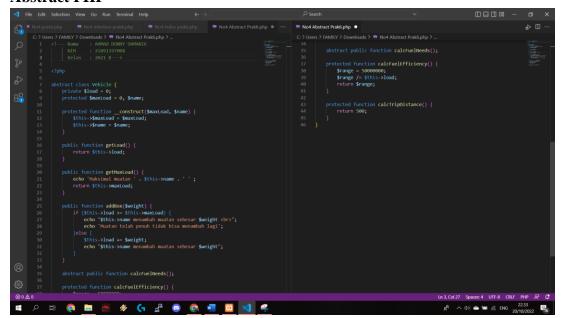
### **♦ Interface PHP**

4.

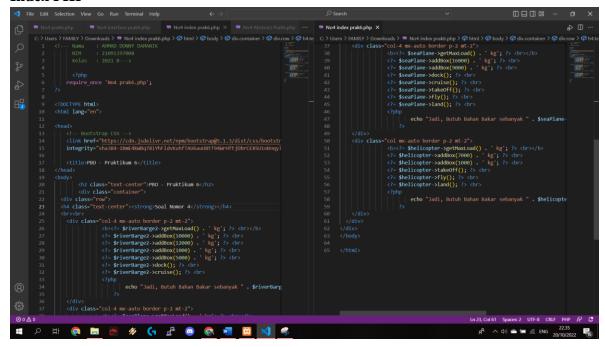
## ♦ PHP

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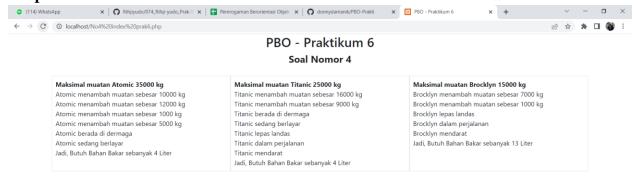
#### **♦** Abstract PHP



# **♦ Index PHP**



# ♦ Output



#### ♦ Analisa

turunan dari class Airplane yang implements Flyer dan child dari Vehicle sehingga class SeaPlane memiliki method dock, cruise, takeoff, land, fly, dan calcFuelNeeds. Implementasi polymhorphism dengan interface dan abstact class ditunjukkan pada class SeaPlane yang implements interface Sailer,