# LAPORAN PRAKTIKUM

PEMROGRAMAN BERORIENTASI OBJEK LANJUT

## 2023

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**Praktikum 3 :**

**Buatlah masing-masing 2 contoh polymorphism statis (overload) dan polymorphism dinamis(overriding). Beri nama overload1.py, overload2, overriding1.py, overriding2.py**

1. **Statis(overload)**
   A. **Overload 1**

```python
class Hewan:
    def suara(self):
        pass

class Kucing(Hewan):
    def suara(self):
        return "Meong"

class Anjing(Hewan):
    def suara(self):
        return "Guk Guk"

class Sapi(Hewan):
    def suara(self):
        return "Moo"

class Domba(Hewan):
    def suara(self):
        return "Mbeee"


daftar_hewan = [Kucing(), Anjing(), Sapi(), Domba()]

for hewan in daftar_hewan:
    print(hewan.suara())
```
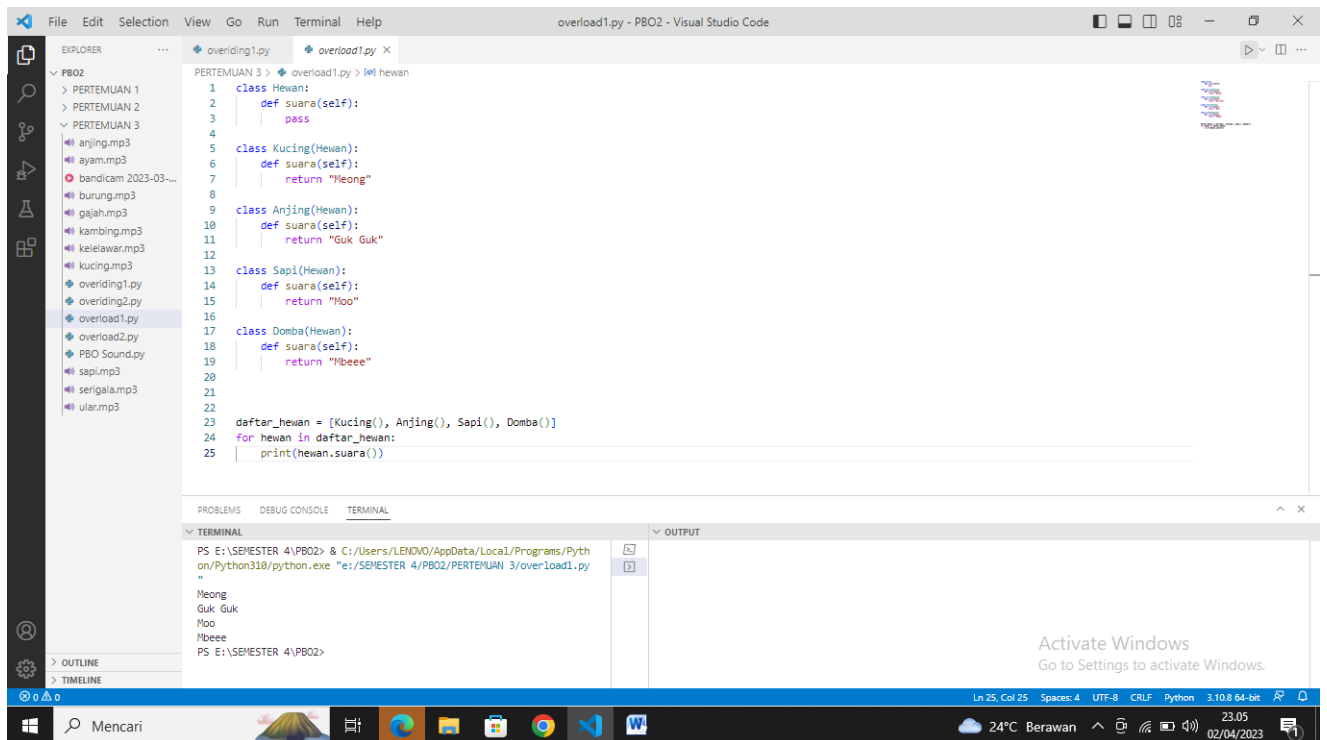
Hasil :



## B. Overload 2

```python
class Hewan:
    def suara(self):
        pass


class Kucing(Hewan):
    def suara(self):
        return "Meong"


class Anjing(Hewan):
    def suara(self):
        return "Guk Guk"


class Sapi(Hewan):
    def suara(self):
```

```
        return "Moo"


class Domba(Hewan):
    def suara(self):
        return "Mbeee"




daftar_hewan = [Kucing(), Anjing(), Sapi(), Domba()]


for hewan in daftar_hewan:
    print(hewan.suara())
```

Hasil :

## 2. Dinamis (Overriding)

### A. Overriding 1

```python
class Hewan:
    def suara(self):
        pass

class Kucing(Hewan):
    def suara(self):
        return "Meong"

class Anjing(Hewan):
    def suara(self):
        return "Guk Guk"

class Sapi(Hewan):
    def suara(self):
        return "Moo"

class Domba(Hewan):
    def suara(self):
        return "Mbeee"

def panggil_suara(hewan):
    print(hewan.suara())

kucing = Kucing()
anjing = Anjing()
sapi = Sapi()
domba = Domba()

panggil_suara(kucing)
panggil_suara(anjing)
panggil_suara(sapi)
panggil_suara(domba)
```
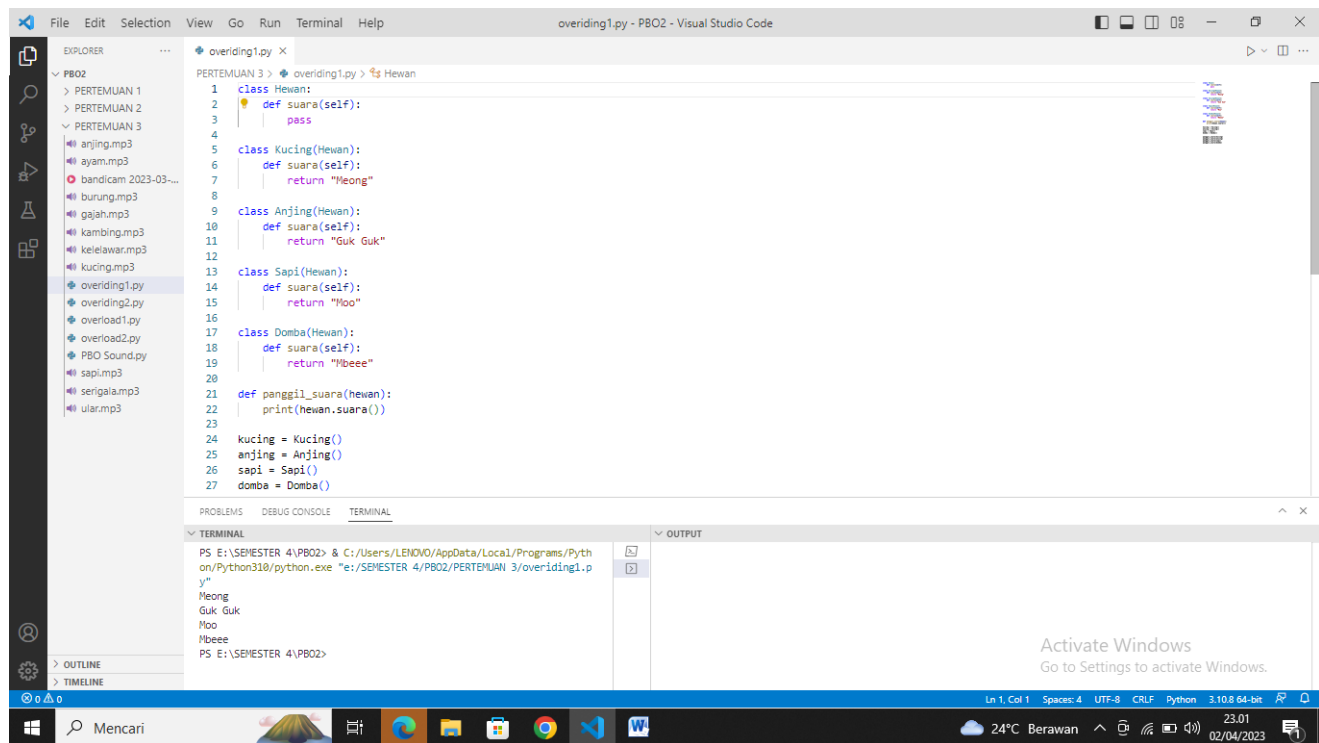
Hasil :



## B. Overriding 2

```python
class Ucapan:
    def suara(self):
        pass


class Pagi(Ucapan):
    def suara(self):
        return "Selamat Pagi"


class Siang(Ucapan):
    def suara(self):
        return "Selamat Siang"


class Sore(Ucapan):
    def suara(self):
        return "Selamat Sore"
```

```python
class Malam(Ucapan):
    def suara(self):
        return "Selamat Malam"


def panggil_suara(ucapan):
    print(ucapan.suara())

pagi = Pagi()
siang = Siang()
sore = Sore()
malam = Malam()

panggil_suara(pagi)
panggil_suara(siang)
panggil_suara(sore)
panggil_suara(malam)
```

Hasil :