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## MODUL 8

### Latihan

The screenshot shows the Apache NetBeans IDE 11.1 interface with two Java files open in the editor panes:

- Anjing.java:** Contains a `Pet` class with methods `beriNama`, `panggilNama`, and `perilaku`.
- Kucing.java:** Contains a `Kucing` class that extends `Pet`, overriding `perilaku` to return "Menyukai Ikan" and `suara` to return "Meeoow.. Meeoow".

Below the editor panes, a `TestPolyorphism` class is shown in the `Output` pane:

```
Output - modul8 (run)
run:
TOM
Menyukai Ikan
Meeoow.. Meeoow
BULL
Menyukai Daging dan Tulang
Guk.. Guk..
BUILD SUCCESSFUL (total time: 1 second)
```

## Tugas

```
Bank.java
1 package inibank;
2
3 /**
4 * To change this license header, choose License Headers in Project
5 * File | Settings | License Headers.
6 */
7
8 /**
9 * Author: Aezo27
10 */
11
12 public class Bank {
13     @Override
14     protected int rasioBunga(){
15         return 5;
16     }
17 }
```

```
BankPasar.java
1 package inibank;
2
3 /**
4 * To change this license header, choose License Headers in Project
5 * File | Settings | License Headers.
6 */
7
8 /**
9 * Author: Aezo27
10 */
11
12 public class BankPasar extends BankUmum {
13     @Override
14     protected int rasioBunga(){
15         return 3;
16     }
17 }
```

```
BankPribadi.java
1 package inibank;
2
3 /**
4 * To change this license header, choose License Headers in Project
5 * File | Settings | License Headers.
6 */
7
8 /**
9 * Author: Aezo27
10 */
11
12 public class BankPribadi extends Bank {
13     @Override
14     protected int rasioBunga(){
15         return 7;
16     }
17 }
```

```
BankSyariah.java
1 package inibank;
2
3 /**
4 * To change this license header, choose License Headers in Project
5 * File | Settings | License Headers.
6 */
7
8 /**
9 * Author: Aezo27
10 */
11
12 public class BankSyariah extends BankUmum {
13     @Override
14     protected int rasioBunga(){
15         return 0;
16     }
17 }
```

```
BankUmum.java
1 package inibank;
2
3 /**
4 * To change this license header, choose License Headers in Project
5 * File | Settings | License Headers.
6 */
7
8 /**
9 * Author: Aezo27
10 */
11
12 public class BankUmum extends Bank {
13     @Override
14     protected int rasioBunga(){
15         return 9;
16     }
17 }
```

```
DemoBank.java
1 package inibank;
2
3 /**
4 * To change this license header, choose License Headers in Project
5 * File | Settings | License Headers.
6 */
7
8 /**
9 * Author: Aezo27
10 */
11
12 public class DemoBank {
13     public static void main(String[] args) {
14         Bank bpr = new BankPribadi();
15         Bank bu = new BankUmum();
16         Bank bp = new BankPasar();
17         Bank bs = new BankSyariah();
18
19         System.out.println(
20             "Bank Pribadi: "+bpr.rasioBunga()+"\n"+
21             "Bank Umum: "+bu.rasioBunga()+"\n"+
22             "Bank Pasar: "+bp.rasioBunga()+"\n"+
23             "Bank Syariah: "+bs.rasioBunga()+"\n");
24
25         BankUmum bkpsr = new BankPasar();
26         BankUmum bksyr = new BankSyariah();
27
28         System.out.println(
29             "Bank Pasar: "+bkpsr.rasioBunga()+"\n"+
30             "Bank Syariah: "+bksyr.rasioBunga());
31     }
32 }
```

## Output:

```
run:
Bank Pribadi: 7
Bank Umum: 9
Bank Pasar: 3
Bank Syariah: 0
BUILD SUCCESSFUL (total time: 0 seconds)
```