



Laporan Asistensi

Tugas Pertama

1. Memberikan metode overloading dan overriding di dalam program studi kasus!

Jawaban

Source Code

➤ Class induk.java

```
1. package main;
2. import java.util.Date;
3.
4. public class induk {
5.     public String nama, npm, nomor, password,
        kelas, hari, sesi, waktu, nip;
6.     public int indexdosen, indexkursus;
7.     public Date tanggalLahir;
8.
9.     public String getName() {
10.         return nama;
11.     }
12.     public String getNpm() {
13.         return npm;
14.     }
15.     public String getNomor() {
16.         return nomor;
17.     }
18.     public String getPassword() {
19.         return password;
20.     }
21.     public String getKelas() {
22.         return kelas;
23.     }
24.     public String getHari() {
25.         return hari;
26.     }
27.     public String getSesi() {
28.         return sesi;
29.     }
30.     public String getWaktu() {
31.         return waktu;
32.     }
33.     public Date getTanggalLahir() {
```



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```
34.         return tanggalLahir;
35.     }
36.     public int getIndexdosen() {
37.         return indexdosen;
38.     }
39.     public int getIndexkursus() {
40.         return indexkursus;
41.     }
42. }
```

➤ Class akun.java

```
1. package main;
2. import main.induk;
3. import java.util.Date;
4.
5. public class akun extends induk{
6.     public akun(String nama, String npm,
7.         String nomor, String password, Date
8.         tanggalLahir, String kelas, String hari,
9.         String sesi, String waktu, int indexdosen, int
10.        indexkursus) {
11.         super.nama = nama;
12.         super.npm = npm;
13.         super.nomor = nomor;
14.         super.password = password;
15.         super.kelas = kelas;
16.         super.hari = hari;
17.         super.sesi = sesi;
18.         super.waktu = waktu;
19.         super.tanggalLahir = tanggalLahir;
20.         super.indexdosen = indexdosen;
21.         super.indexkursus = indexkursus;
22.     }
23.     @Override
24.     public String getNama() {
25.         return super.getNama();
26.     }
27.     public void setNama(){
28.         this.nama = nama;
29.     }
30.     public void setNama(String nama) {
```



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```
29.         this.nama = nama;
30.     }
31.
32.     @Override
33.     public String getNpm() {
34.         return super.getNpm();
35.     }
36.
37.     public void setNpm(String npm) {
38.         this.npm = npm;
39.     }
40.
41.     @Override
42.     public String getNomor() {
43.         return super.getNomor();
44.     }
45.
46.     public void setNomor(String nomor) {
47.         this.nomor = nomor;
48.     }
49.
50.     @Override
51.     public String getPassword() {
52.         return super.getPassword();
53.     }
54.
55.     public void setPassword(String password)
56.     {
57.         this.password = password;
58.     }
59.
60.     @Override
61.     public String getKelas() {
62.         return super.getKelas();
63.     }
64.
65.     public void setKelas(String kelas) {
66.         this.kelas = kelas;
67.     }
68.
69.     @Override
70.     public String getHari() {
71.         return super.getHari();
72.     }
```



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```
73.     public void setHari(String hari) {
74.         this.hari = hari;
75.     }
76.
77.     @Override
78.     public String getSesi() {
79.         return super.getSesi();
80.     }
81.
82.     public void setSesi(String sesi) {
83.         this.sesi = sesi;
84.     }
85.
86.     @Override
87.     public String getWaktu() {
88.         return super.getWaktu();
89.     }
90.
91.     public void setWaktu(String waktu) {
92.         this.waktu = waktu;
93.     }
94.
95.     @Override
96.     public Date getTanggalLahir() {
97.         return super.getTanggalLahir();
98.     }
99.
100.        public void setTanggalLahir(Date
        tanggalLahir) {
101.            this.tanggalLahir =
        tanggalLahir;
102.        }
103.
104.        @Override
105.        public int getIndexdosen() {
106.            return super.getIndexdosen();
107.        };
108.    }
109.
110.        public void setIndexdosen(int
        indexdosen) {
111.            this.indexdosen = indexdosen;
112.        }
113.
114.        @Override
```



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```
115.         public int getIndexkursus() {
116.             return super.getIndexkursus();
117.         }
118.
119.         public void setIndexkursus(int
            indexkursus) {
120.             this.indexkursus =
                indexkursus;
121.         }
122. }
```

Output Program

The image displays two screenshots of a Java application's output, likely from an IDE like Eclipse. Both screenshots show a terminal window with the title 'studi_kasus (run)'. The left screenshot shows the initial menu with options: 1. Daftar akun, 2. Login, 3. exit. The user has selected option 1, and the program prompts for user details: Nama (Mahameru), NPM (07454), Nomor Handphone (085098776552), Password (123), Tanggal Lahir (05/04/2003), Kelas (Q), Hari (Selasa), Sesi (1), and Waktu (15.10). It then displays a list of dosen (0. Farida, 1. Andy Rahman, 2. Kurniawan) and a list of kursus (0. Website, 1. Machine learning, 2. Aplikasi). The right screenshot shows the login menu with options: 1. Daftar akun, 2. Login, 3. exit. The user has selected option 2, and the program prompts for NPM (07454) and Password (123). It then displays the user's details: Nama (Mahameru), NPM (07454), Tanggal Lahir (04-00-2003), Nomor Handphone (085098776552), Kelas (Q), Hari (Selasa), Sesi (1), Waktu (15.10), Nama Dosen (Kurniawan), NIP Dosen (01), and Kursus (Website). The program then displays the login menu again, and the user has selected option 3. The final output is 'Terimakasih telah mengunjungi program kami' and 'BUILD SUCCESSFUL (total time: 1 minute 1 second)'.

```
Output
studi_kasus (run) × studi_kasus (run) #2 ×
run:
Selamat Datang di Program Kursus ITATS :
Pilihan :
-----
1. Daftar akun
2. Login
3. exit
-----
Masukkan Pilihan : 1
Nama : Mahameru
NPM : 07454
Nomor Handphone : 085098776552
Password : 123
Tanggal Lahir (mm/dd/yyyy) : 05/04/2003
Kelas : Q
Hari : Selasa
Sesi : 1
Waktu : 15.10
-----
List Dosen :
-----
0. Farida
1. Andy Rahman
2. Kurniawan
Pilih Dosen : 2
-----
List Kursus :
-----
0. Website
1. Machine learning
2. Aplikasi
Pilih Kursus : 0
Pilihan :
-----

Output
studi_kasus (run) × studi_kasus (run) #2 ×
Pilihan :
-----
1. Daftar akun
2. Login
3. exit
-----
Masukkan Pilihan : 2
NPM : 07454
Password : 123
-----
Data Diri :
-----
Nama : Mahameru
NPM : 07454
Tanggal Lahir : 04-00-2003
Nomor Handphone : 085098776552
Kelas : Q
Hari : Selasa
Sesi : 1
Waktu : 15.10
Nama Dosen : Kurniawan
NIP Dosen : 01
Kursus : Website
-----
Pilihan :
-----
1. Daftar akun
2. Login
3. exit
-----
Masukkan Pilihan : 3
Terimakasih telah mengunjungi program kami
BUILD SUCCESSFUL (total time: 1 minute 1 second)
```