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Matakul = Algoritma dan struktur data 2

1). Nested Loop

Package Nested Looping → Deklarasi package

Public class no2 { → Bagian class

Public static void main (String [] args) { → Method main

int x, y;

For (x = 0; x <= 4; x++) {

For (y = 0; y < x; y++) {

System.out.println(x);

System.out.println(" ");

}

}

}

Penjelasan :

< Deklarasi Package → Ada (package Nested Looping)

< Import Library → Tidak ada

< Bagian class → Ada (public class no2 {)

< Method main → Ada (public static void main (string [] args) {)

< Documentation section → Tidak ada

2) Array Menggunakan Looping

Public Class array Perulangan_3 { → Bagian class

Public static void main (String args []) { → Method main

String [] siswa = {"Reinan", "Odena", "Geano"}; //panjang array 3

For (int i=0; i < siswa.length; i++) {

System.out.println ("index") ke " + i + " = " + Mahasiswa [i]);

}

}

}

Penjelasan

< Deklarasi Package → Tidak ada

< Import library → Tidak ada

< Bagian Class → Ada (Public Class array Perulangan_3 {

< Method Main → Ada (Public static void main (String args []) {

< Documentation section → Ada (// panjang array 3)

2). Array Menggunakan Looping

```
Public class arrayperulangan_3 {
```

```
Public static void main (String args []) {
```

```
String [] siswa = {"Feinan", "Odena", "Geanno"}; // panjang array 3
```

```
For (int i=0; i < siswa.length; i++) {
```

```
System.out.println ("Index ke " + i + " = " + mahasiswa [i]);
```

```
}
```

```
}
```

```
}
```

No	Penjelasan	Output
1.	$i=0$ $0 < 3$? True \rightarrow print "Index ke ' + i + " = " + Mahasiswa [i]"	0 Feinan
2.	$i++$; $i=0+1=1$; $1 < 3$? True \rightarrow print "Index ke ' + i + " = " + Mahasiswa [i]"	1 Odena
3.	$i++$; $i=1+1=2$; $2 < 3$? True \rightarrow print "Index ke ' + i + " = " + Mahasiswa [i]"	2 Geanno
4.	$i++$; $i=2+1=3$; $3 < 3$? False \rightarrow stop array looping	

```
P
```

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PA
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```
PPA
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PPPA
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```
array_03_02
```