

QUIZ ALGORITMA PEMROGRAMAN

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KELAS : TI25-PA2

1. Deret Bilangan Genap Menggunakan IF FOR

```
Deret 10 bilangan genap: 2 + 4 + 6 + 8 + 10 + 12 + 14 + 16 + 18 + 20 = 110
-----
Process exited after 0.3034 seconds with return value 0
Press any key to continue . . .
```

Code :

```
1  #include <iostream>
2  using namespace std;
3
4  int main() {
5      int sum = 0;
6      cout << "Deret 10 bilangan genap: ";
7      for (int i = 2; i <= 20; i += 2) {
8          cout << i;
9          sum += i;
10         if (i < 20) cout << " + ";
11     }
12     cout << " = " << sum << endl;
13 }
```

2. Deret Fibonacci Menggunakan WHILE

```
Masukkan jumlah suku Fibonacci: 15
Deret Fibonacci: 0 1 1 2 3 5 8 13 21 34 55 89 144 233 377
-----
Process exited after 3.848 seconds with return value 0
Press any key to continue . . .
```

Code :

```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     int n, a = 0, b = 1, next, i = 1;
6     cout << "Masukkan jumlah suku Fibonacci: ";
7     cin >> n;
8
9     cout << "Deret Fibonacci: ";
10
11     while(i <= n) {
12         cout << a << " ";
13
14         next = a + b;
15         a = b;
16         b = next;
17         i++;
18     }
19
20     return 0;
21 }
22
23
24
```

3. Memasukkan nilai ujian ke dalam Array

```
Masukkan 5 nilai:
Nilai ke-1: 98
Nilai ke-2: 97
Nilai ke-3: 91
Nilai ke-4: 99
Nilai ke-5: 100

baiksekali = 100
baik = 91
cukup = 91
kurang = 91

-----
Process exited after 11.56 seconds with return value 0
Press any key to continue . . .
```

Code :

```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     int angka[6];
6     int baiksekali, baik, cukup, kurang;
7
8     cout << "Masukkan 5 nilai: " << endl;
9     for (int i = 0; i < 5; i++) {
10         cout << "Nilai ke-" << i + 1 << ": ";
11         cin >> angka[i];
12     }
13
14     baiksekali = angka[0];
15     baik = angka[0];
16     cukup = angka[0];
17     kurang = angka[0];
18
19     for (int i = 1; i < 5; i++) {
20         if (angka[i] > baiksekali)
21             baiksekali = angka[i];
22         if (angka[i] < baik)
23             baik = angka[i];
24         if (angka[i] < cukup)
25             cukup = angka[i];
26         if (angka[i] < kurang)
27             kurang = angka[i];
28     }
29
30     cout << "\nbaiksekali = " << baiksekali << endl;
31     cout << "Baik = " << baik << endl;
32     cout << "Cukup = " << cukup << endl;
33     cout << "Kurang = " << kurang << endl;
34
35     return 0;
36 }
```

