

Tugas 2 Algoritma Pemrograman



MATA KULIAH ALGORITMA PEMROGRAMAN

DOSEN PENGAMPU:

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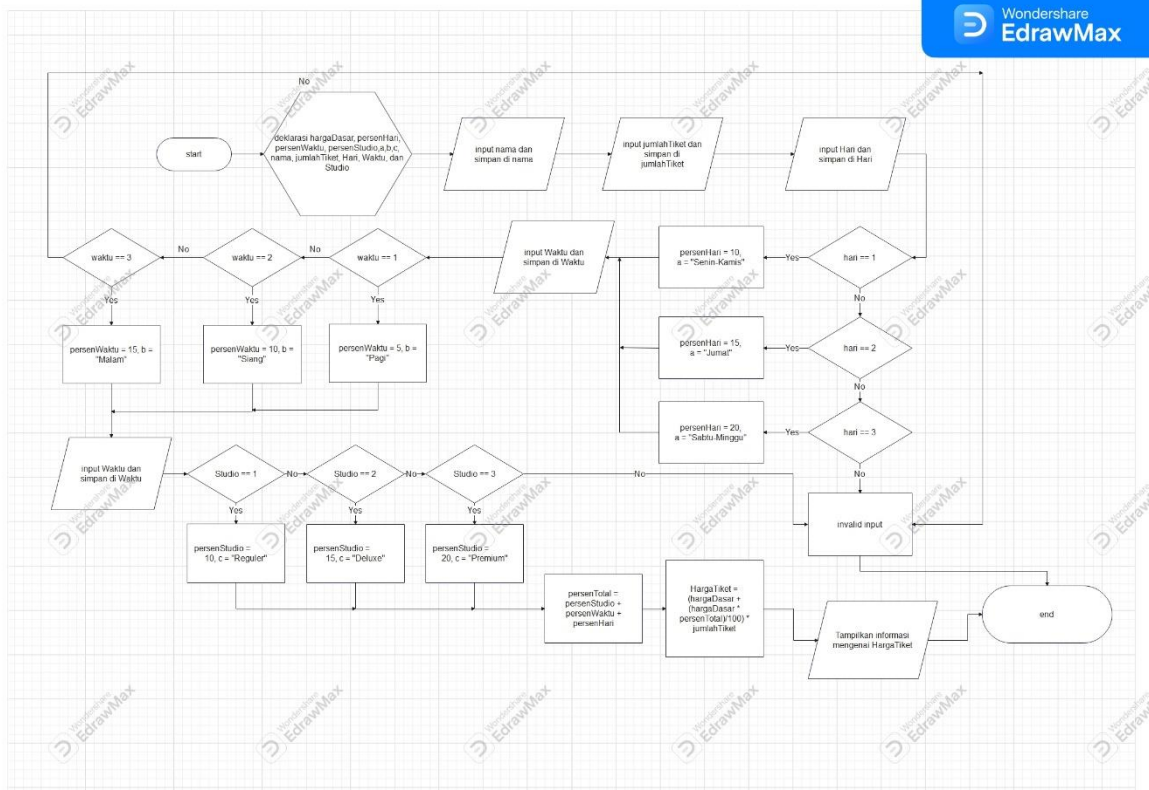
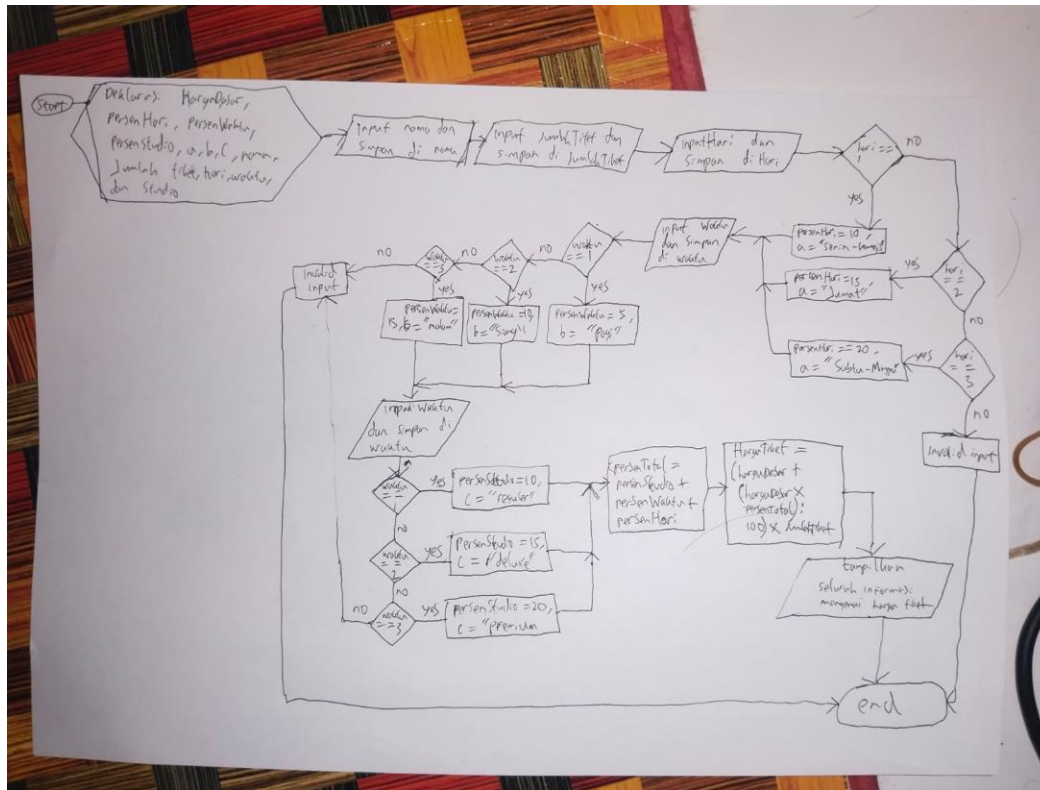
FAKULTAS TEKNOLOGI INFORMASI

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1.Flowchart



2.Pseudocode

Judul

Program Pembelian Tiket Bioskop

{Program menghitung harga suatu tiket di bioskop berdasarkan studio yang dipilih, waktu yang dipilih, dan hari yang dipilih.}

Deklarasi

Var hargaDasar: int

Var persenHari, persenStudio, persenWaktu, persenTotal: int

Var a,b, c: String

Var nama: String

Var JumlahTiket: int

Var Hari: int

Var Waktu: int

Var Studio: int

Pseudocode

1. Nama = Input ("Masukkan nama anda")
2. JumlahTiket = Input ("Masukkan jumlah")
3. Hari = Input ("Pilih hari menonton 1/2/3")
4. If Hari == 1 then
5. persenHari = 10
6. a = "Senin-Kamis"
7. Else if Hari == 2 then
8. persenHari = 15
9. a = "Jumat"
10. Else if Hari == 3 then
11. persenHari = 20
12. A = "Sabtu-Minggu"
- 13.
14. Else then print("INVALID INPUT")
- 15.
- 16.
17. Waktu = input("Pilih waktu menonton 1/2/3")
18. If waktu == 1 then
19. persenWaktu = 5
20. b = "pagi"
21. Else if waktu == 2 then
22. persenWaktu = 10
23. b = "siang"
24. Else if waktu == 3 then
25. persenWaktu = 15
26. b = "malam"
- 27.
28. Else then print("INVALID INPUT")
- 29.
- 30.

```
31. Studio = input("Pilih studio menonton 1/2/3")
32. If studio == 1 then
33.     persenStudio = 10
34.     c = "Reguler"
35. Else if studio == 2 then
36.     persenStudio = 15
37.     c = "Deluxe"
38. Else if studio == 3 then
39.     persenStudio = 20
40.     c = "Premium"
41.
42. Else then print("INVALID INPUT")
43.
44. persenTotal = persenStudio + persenWaktu + persenHari
45. HargaTiket = (hargaDasar + (hargaDasar * persenTotal) / 100) * JumlahTiket
46.
47.
48.
49. print("=====PEMBELIAN TIKET BIOSKOP=====");
50. print("Nama Pembeli\t: " + name);
51. print("Jumlah Tiket\t: " + JumlahTiket);
52. print("Hari Menonton\t: " + a);
53. print("Waktu Tayang\t: " + b);
54. print("Jenis Studio\t: " + c);
55. print("-----");
56. print("Harga Dasar\t: " + hargaDasar);
57. print("Biaya Hari\t: " + persenHari + persen);
58. print("Biaya Waktu\t: " + persenWaktu + persen);
59. print("Biaya Studio\t: " + persenStudio + persen);
60. print("-----");
61. print("Total Biaya Tambahan\t: " + PersenTotal + persen);
62. print("Total Bayar\t: " + HargaTiket + " Rupiah");
```

3. Output Program

```
1 package pekan4;
2 import java.util.Scanner;
3
4 public class tugasAlpropekan4_2511532021 {
5
6     public static void main(String[] args) {
7         Scanner input = new Scanner(System.in);
8         int hargaDasar = 50000;
9         int persenHari = 0;
10        int persenWaktu = 0;
11        int persenStudio = 0;
12        int persenTotal = 0;
13        String a = "";
14        String b = "";
15        String c = "";
16        char persen = '%';
17
18        System.out.print("Masukkan nama anda\t\t: ");
19        String name = input.nextLine();
20
21        System.out.print("Masukkan jumlah tiket\t\t: ");
22        int JumlahTiket = input.nextInt();
23        System.out.println("");
24
25        System.out.println("1 = Senin-Kamis");
26        System.out.println("2 = Jumat");
27        System.out.println("3 = Sabtu-Minggu");
28
29
30        System.out.print("Pilih hari menonton (1/2/3)\t: ");
31        int Hari = input.nextInt();
32
33        if (Hari == 1 ) {
34            persenHari = 10;
35            a = "Senin-Kamis";
36        } else if (Hari == 2) {
37            persenHari = 15;
38            a = "Jumat" ;
39        } else if (Hari == 3) {
40            persenHari = 20;
41            a = "Sabtu-Minggu";
42        }
43        else {System.out.println("INVALID INPUT");}
44
45
46        System.out.println("");
47
48        System.out.println("1 = Pagi (10:00 - 12:00)");
49        System.out.println("2 = Siang (12:00 - 17:00)");
50        System.out.println("3 = Malam (17:00 - 22:00)");
51
52        System.out.print("Pilih waktu menonton (1/2/3)\t: ");
53
54        int Waktu = input.nextInt();
55
56        if (Waktu == 1 ) {
```

```

56     if (Waktu == 1 ) {
57         persenWaktu = 5;
58         b = "Pagi" ;
59     } else if (Waktu == 2) {
60         persenWaktu = 10;
61         b = "Siang" ;
62     } else if (Waktu == 3) {
63         persenWaktu = 15;
64         b = "Malam" ;
65     }
66     else {System.out.println("INVALID INPUT");}
67
68     System.out.println("");
69
70
71     System.out.println("1 = Regular");
72     System.out.println("2 = Deluxe");
73     System.out.println("3 = Premium");
74     System.out.print("Pilih studio menonton (1/2/3)\t: ");
75     int Studio = input.nextInt();
76
77
78     if (Studio == 1 ) {
79         persenStudio = 10;
80         c = "Reguler" ;
81     } else if (Studio == 2) {
82         persenStudio = 15;
83         c = "Deluxe" ;
84     } else if (Studio == 3) {
85         c = "Premium" ;
86         persenStudio = 20;
87     }
88     else {System.out.println("INVALID INPUT");}
89
90     int PersenTotal = persenStudio + persenWaktu + persenHari;
91     int HargaTiket = (hargaDasar + (hargaDasar * PersenTotal ) / 100) * JumlahTiket;
92
93     System.out.println("====PEMBELIAN TIKET BIOSKOP====");
94     System.out.println("Nama Pembeli\t: " + name);
95     System.out.println("Jumlah Tiket\t: " + JumlahTiket);
96     System.out.println("Hari Menonton\t: " + a);
97     System.out.println("Waktu Tayang\t: " + b);
98     System.out.println("Jenis Studio\t: " + c);
99     System.out.println("-----");
100    System.out.println("Harga Dasar\t: " + hargaDasar);
101    System.out.println("Biaya Hari\t: " + persenHari + persen);
102    System.out.println("Biaya Waktu\t: " + persenWaktu + persen);
103    System.out.println("Biaya Studio\t: " + persenStudio + persen);
104    System.out.println("-----");
105    System.out.println("Total Biaya Tambahan\t: " + PersenTotal + persen);
106    System.out.println("Total Bayar\t\t: " + HargaTiket + " Rupiah");
107
108

```

Masukkan nama anda : faiz
Masukkan jumlah tiket : 2

1 = Senin-Kamis
2 = Jumat
3 = Sabtu-Minggu

Pilih hari menonton (1/2/3) : 2

1 = Pagi (10:00 - 12:00)
2 = Siang (12:00 - 17:00)
3 = Malam (17:00 - 22:00)

Pilih waktu menonton (1/2/3) : 1

1 = Regular
2 = Deluxe
3 = Premium

Pilih studio menonton (1/2/3) : 2

=====PEMBELIAN TIKET BIOSKOP=====

Nama Pembeli : faiz
Jumlah Tiket : 2
Hari Menonton : Jumat
Waktu Tayang : Pagi
Jenis Studio : Deluxe

Harga Dasar : 50000
Biaya Hari : 15%
Biaya Waktu : 5%
Biaya Studio : 15%

Total Biaya Tambahan : 35%
Total Bayar : 135000 Rupiah

Masukkan nama anda : fennel
Masukkan jumlah tiket : 1

1 = Senin-Kamis
2 = Jumat
3 = Sabtu-Minggu

Pilih hari menonton (1/2/3) : 3

1 = Pagi (10:00 - 12:00)
2 = Siang (12:00 - 17:00)
3 = Malam (17:00 - 22:00)

Pilih waktu menonton (1/2/3) : 3

1 = Regular
2 = Deluxe
3 = Premium

Pilih studio menonton (1/2/3) : 3

|=====PEMBELIAN TIKET BIOSKOP=====

Nama Pembeli : fennel
Jumlah Tiket : 1
Hari Menonton : Sabtu-Minggu
Waktu Tayang : Malam
Jenis Studio : Premium

Harga Dasar : 50000
Biaya Hari : 20%
Biaya Waktu : 15%
Biaya Studio : 20%

Total Biaya Tambahan : 55%
Total Bayar : 77500 Rupiah