

LAPORAN
ALGORITMA PEMOGRAMAN
FINAL KELAS



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STMIK WIDYA PRATAMA PEKALONGAN
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1 package UAS_1P52;
2 import javax.swing.*;
3
4 public class FADHILLAH_0074 {
5
6     public static String np, al, tgl, ty, lagi, ket;
7     public static int sewa, hr, org, br1, br2, h_sewa, harga1, hs, status;
8     private static boolean lanjut;
9
10    public static void main(String[] args) {
11        int x = 0;
12        String nama_penyewa[] = null;
13        nama_penyewa = new String[20];
14
15        String alamat[] = null;
16        alamat = new String[20];
17
18        String tgl_sewa[] = null;
19        tgl_sewa = new String[20];
20
21        String type[] = null;
22        type = new String[20];
23
24        int jum_hari[];
25        jum_hari = new int[20];
26
27        int harga[];
28        harga = new int[20];
29
30        int jum_org[];
31        jum_org = new int[20];
32
33        int bayar1[];
34        bayar1 = new int[20];
35
36        int bayar2[];
37        bayar2 = new int[20];
38        String np = JOptionPane.showInputDialog("NAMA PENYEWAWA");
39        String al = JOptionPane.showInputDialog("ALAMAT PENYEWAWA");
40        String tgl = JOptionPane.showInputDialog("TANGGAL SEWA [....../...../.....]");
41        do {
42            String ty = JOptionPane.showInputDialog("TYPE VILA \n A. MAWAR B. CEMPAKA C. MELATI");
43        } while (!(("A".equals(ty) | "B".equals(ty) | "C".equals(ty) | "a".equals(ty) | "b".equals(ty) | "c".equals(ty))));
44        nama_penyewa[x] = np;
45        alamat[x] = al;
46        tgl_sewa[x] = tgl;
47        type[x] = ty;
48        jum_hari[x] = sewa;
49        harga[x] = hr;
50        jum_org[x] = org;
51        bayar1[x] = br1;
52        bayar2[x] = br2;
53
54        if ("A".equals(ty) | "a".equals(ty)) {
55            h_sewa = 500000;
56        } else if ("B".equals(ty) | "b".equals(ty)) {
57            h_sewa = 500000;
58        }

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59     do {
60         try {
61             do {
62                 String jum = JOptionPane.showInputDialog("JUMLAH HARI SEWA \n DIATAS 2 HARI, MAX 30 HARI");
63                 sewa = Integer.parseInt(jum);
64                 lanjut = false;
65                 } while (!(sewa >= 2 & sewa <= 30));
66             } catch (Exception e) {
67                 lanjut = true;
68                 JOptionPane.showMessageDialog(null, "ERROR , DATA SALAH INPUT");
69             }
70         } while (lanjut);
71         do {
72             try {
73                 String hr_sewa = JOptionPane.showInputDialog("HARGA SEWA");
74                 hr = Integer.parseInt(hr_sewa);
75                 lanjut = false;
76             } catch (Exception e) {
77                 lanjut = true;
78                 JOptionPane.showMessageDialog(null, "ERROR , DATA SALAH INPUT");
79             }
80         } while (lanjut);
81         do {
82             try {
83                 do {
84                     String j_org = JOptionPane.showInputDialog("JUMLAH ORANG BERKUNJUNG \n MAX 10, 0 TIDAK BOLEH");
85                     org = Integer.parseInt(j_org);
86                     lanjut = false;
87                     } while (!(org >= 0 & org <= 10));

```

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88             } catch (Exception e) {
89                 JOptionPane.showMessageDialog(null, "ERROR , DATA SALAH INPUT");
90                 lanjut = true;
91             }
92         } while (lanjut);
93         do {
94             try {
95                 String byr_1 = JOptionPane.showInputDialog(" BAYAR PERTAMA");
96                 br1 = Integer.parseInt(byr_1);
97                 lanjut = false;
98             } catch (Exception e) {
99                 JOptionPane.showMessageDialog(null, "ERROR , DATA SALAH INPUT");
100                 lanjut = true;
101             }
102         } while (lanjut);
103         do {
104             try {
105                 String byr_2 = JOptionPane.showInputDialog(" BAYAR KEDUA");
106                 br2 = Integer.parseInt(byr_2);
107                 lanjut = false;
108             } catch (Exception e) {
109                 JOptionPane.showMessageDialog(null, "ERROR , DATA SALAH INPUT");
110                 lanjut = true;
111             }
112         } while (lanjut);
113         status = bayar1[x] + bayar2[x];
114         hargai = (hs * jum_hari[x]);
115         if (status == hargai) {
116             ket = "LUNAS ";

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117         } else if (status >= hargai) {
118             ket = "UANG KEMBALIKAN Rp. " + (status - hargai);
119         } else {
120             ket = "HARUS DIBAYAR Rp. " + (hargai - status);
121         }
122         JOptionPane.showMessageDialog(null, "STATUS = " + ket);
123         do {
124             lagi = JOptionPane.showInputDialog("INPUT DATA [Y/T]");
125             } while (!(("Y".equals(lagi) | "Y".equals(lagi) | "t".equals(lagi) | "T".equals(lagi)));
126         if (x == 2) {
127             JOptionPane.showMessageDialog(null, "DATA SUDAH PENUH");
128             lagi = "T";
129         }
130     }
131 }
132

```

ANALISA

Nama Pengewa

nama_Pengewa [x] = Array
np = String

Alamat Pengewa

alamat [x] = Array
al = String

tanggal sewa [..../..../....]

tgl-sewa [x] = Array
tg = String

Type vila

A. Mawar B. Cempaka C. Melati

type [x] = Array
ty = String

Jumlah hari sewa
Diatas 2 hari, max 30 hari

jumlah-hari [x] = Array
jum = String
sewa = int

Harga Sewa

harga [x] = Array
hr-sewa = String
hr = int

Jumlah orang Berkunjung
max 10 orang, 0 tidak boleh

jumlah-org = array
j-org = String
org = int

Bayar Pertama

bayar = Array
bayr-1 = String
bri = int

harga :

a = 500.000

B = 300.000

C = 200.000

0 hari tidak boleh
kondisi sewa $>= 2$ & sewa $<= 30$
boolean = lanjut.

boolean = lanjut.

boolean = lanjut.

Rumus
org $>= 0$ & org $<= 10$.

boolean = lanjut.

Bayar Kedua

bayar 2 = array
bgr-2 = string
br2 = int
boolean = lanjut

Status Bayar = -----

Rumus Status :
 $\text{bayar1}[x] + \text{bayar2}[x]$
Rumus harga :
 $hs * \text{Jum-hari}[x]$

INPUT DATA [Y/T]

lagi = string.