

```
1 // Nama      : Arief Rahmad Yusriadi
2 // Kelas     : IF-3 | Kelas A
3 // No.Bp     : 20101152630084
4
5 import java.io.DataInputStream;
6 import java.io.BufferedReader;
7 import java.io.InputStreamReader;
8 import java.sql.Connection;
9 import java.sql.DriverManager;
10 import java.sql.ResultSet;
11 import java.sql.Statement;
12
13 public class Kuis_arief_kelas_A {
14     static final String JDBC_DRIVER = "com.mysql.cj.jdbc.Driver";
15     static final String DB_URL = "jdbc:mysql://localhost/pdam";
16     static final String USER = "root";
17     static final String PASS = "";
18
19     static Connection conn;
20     static Statement stat;
21     static ResultSet rs;
22
23     static InputStreamReader inputStreamReader = new InputStreamReader(System.in);
24     static BufferedReader input = new BufferedReader(inputStreamReader);
25
26     public static void ulang() {
27         try {
28             Class.forName(JDBC_DRIVER);
29             conn = DriverManager.getConnection(DB_URL, USER, PASS);
30             stat = conn.createStatement();
31             System.out.println("Koneksi Berhasil");
32
33         } catch (Exception e) {
34             System.out.println("Koneksi Gagal");
35         }
36
37         DataInputStream input = new DataInputStream((System.in));
38         String no_pel = "";
39         String nama_pel = "";
40         String alamat_pel = "";
41         String tipe_lang = "";
42         int ambl = 0;
43         int ambi = 0;
44         int bat = 0;
45         int ha = 0;
46         int bt = 0;
47
48         //Variabel Menu Pilihan
49         int menupilihan = 0;
50
51         //Menu Pilihan
52         System.out.println("=====");
53         System.out.println("===== CEK HARGA AIR =====");
54         System.out.println("=====");
55         System.out.println("[1].INPUT DATA");
56         System.out.println("[2].UBAH DATA");
57         System.out.println("[3].HAPUS DATA");
```

```
58 System.out.println("[4].EXIT");
59
60 try {
61     System.out.println("INPUT PILIHAN MENU = ");
62     menupilihan = Integer.valueOf(input.readLine());
63 } catch (Exception e) {
64 }
65
66 switch(menupilihan)
67 {
68     case 1 :
69         System.out.println("=====");
70         System.out.println("===== Input Detail Pelanggan =====");
71         System.out.println("=====");
72         try {
73             System.out.println("Input Kode Pelanggan           : ");
74             no_pel = String.valueOf(input.readLine());
75             System.out.println("Input Nama Pelanggan           : ");
76             nama_pel = String.valueOf(input.readLine());
77             System.out.println("Input Alamat Pelanggan         : ");
78             alamat_pel = String.valueOf(input.readLine());
79             System.out.println("Input Tipe Langganan[A-E]      : ");
80             tipe_lang = String.valueOf(input.readLine());
81             System.out.println("Input Angka Meter Bulan Lalu   : ");
82             ambl = Integer.valueOf(input.readLine());
83             System.out.println("Input Angka Meter Bulan Ini    : ");
84             ambi = Integer.valueOf(input.readLine());
85
86             bat = ambi - ambl;
87
88             if(tipe_lang.equalsIgnoreCase("a"))
89             {
90                 ha = 2500;
91             }
92             else if (tipe_lang.equalsIgnoreCase("b"))
93             {
94                 ha = 4000;
95             }
96             else if (tipe_lang.equalsIgnoreCase("c"))
97             {
98                 ha = 5500;
99             }
100            else if (tipe_lang.equalsIgnoreCase("d"))
101            {
102                ha = 6500;
103            }
104            else if (tipe_lang.equalsIgnoreCase("e"))
105            {
106                ha = 8500;
107            }
108            else
109            {
110                System.out.println("Silahkan input tipe langganan yang valid!");
111            }
112
113            bt = ha * bat;
114
```

```
115         String sql = "insert into tbl_air
(no_pel,nama_pel,alamat_pel,tipe_lang,ambl,ambi,bat,ha,bt) values
('%s','%s','%s','%s','%s','%s','%s','%s','%s')";
116         sql = String.format(sql, no_pel, nama_pel,alamat_pel, tipe_lang,
ambl,ambi,bat,ha,bt);
117         stat.execute(sql);
118
119         System.out.println("Data berhasil disimpan");
120
121     } catch (Exception e) {
122         System.out.println("Data Gagal disimpan!");
123     }
124     System.out.println("=====");
125     System.out.println("===== Hasil Pengecekan =====");
126     System.out.println("=====");
127     System.out.println("Kode Langganan      : " + no_pel);
128     System.out.println("Nama Pelanggan      : " + nama_pel);
129     System.out.println("Alamat Pelanggan    : " + alamat_pel);
130     System.out.println("Tipe Langganan      : " + tipe_lang);
131     System.out.println("Angka Meter Bulan Lalu : " + ambl);
132     System.out.println("Angak Meter Bulan Ini  : " + ambi);
133     System.out.println("Banyak Air Terpakai    : " + bat + " m3");
134     System.out.println("Harga Air              : Rp " + ha + " /m3");
135     System.out.println("Besar Tagihan          : Rp " + bt);
136
137
138     ulang();
139     break;
140
141
142     case 2 :
143         System.out.println("=====");
144         System.out.println("===== UBAH DATA PELANGGAN =====");
145         System.out.println("=====");
146         try {
147             System.out.println("Input Nomor Pelanggan yang akan di Ubah : ");
148             no_pel = String.valueOf(input.readLine());
149             System.out.println("Input Nama Pelanggan                      : ");
150             nama_pel = String.valueOf(input.readLine());
151             System.out.println("Input Alamat Pelanggan                    : ");
152             alamat_pel = String.valueOf(input.readLine());
153             System.out.println("Input Tipe Langganan[A-E]                : ");
154             tipe_lang = String.valueOf(input.readLine());
155             System.out.println("Input Angka Meter Bulan Lalu              : ");
156             ambl = Integer.valueOf(input.readLine());
157             System.out.println("Input Angka Meter Bulan Ini               : ");
158             ambi = Integer.valueOf(input.readLine());
159
160             bat = ambi - ambl;
161
162             if(tipe_lang.equalsIgnoreCase("a"))
163             {
164                 ha = 2500;
165             }
166             else if (tipe_lang.equalsIgnoreCase("b"))
167             {
168                 ha = 4000;
169             }
170         }
```

```

170         else if (tipe_lang.equalsIgnoreCase("c"))
171         {
172             ha = 5500;
173         }
174         else if (tipe_lang.equalsIgnoreCase("d"))
175         {
176             ha = 6500;
177         }
178         else if (tipe_lang.equalsIgnoreCase("e"))
179         {
180             ha = 8500;
181         }
182         else
183         {
184             System.out.println("Silahkan input tipe langganan yang valid!");
185         }
186
187         bt = ha * bat;
188
189         //String sql = "update tblbuku set judul='%s', pengarang='%s', harga='%s'
where kodebuku=%s";
190         String sql = "update tbl_air set nama_pel = '%s', alamat_pel = '%s',
tipe_lang = '%s', ambl = '%s', ambi = '%s', bat = '%s', ha = '%s', bt = '%s' where no_pel =
%s";
191         sql = String.format(sql, nama_pel, alamat_pel, tipe_lang, ambl, ambi, bat,
ha, bt, no_pel);
192         stat.execute(sql);
193
194         System.out.println("Data Berhasil diubah");
195
196     } catch (Exception e) {
197         System.out.println("Data Gagal diubah");
198     }
199
200     System.out.println("=====");
201     System.out.println("===== Hasil Pengecekan =====");
202     System.out.println("=====");
203     System.out.println("Kode Langganan          : " + no_pel);
204     System.out.println("Nama Pelanggan          : " + nama_pel);
205     System.out.println("Alamat Pelanggan       : " + alamat_pel);
206     System.out.println("Tipe Langganan         : " + tipe_lang);
207     System.out.println("Angka Meter Bulan Lalu : " + ambl);
208     System.out.println("Angka Meter Bulan Ini  : " + ambi);
209     System.out.println("Banyak Air Terpakai     : " + bat + " m3");
210     System.out.println("Harga Air               : Rp " + ha + " /m3");
211     System.out.println("Besar Tagihan           : Rp " + bt);
212
213     ulang();
214     break;
215
216     case 3 :
217         System.out.println("=====");
218         System.out.println("===== HAPUS DATA PELANGGAN =====");
219         System.out.println("=====");
220         try {
221             System.out.println("Masukkan Nomor Pelanggan yang akan dihapus : ");
222             no_pel = String.valueOf(input.readLine());
223

```

```
224         String sql = String.format("delete from tbl_air where no_pel = %s",
no_pel);
225         stat.execute(sql);
226
227         System.out.println("Data Pelanggan Berhasil dihapus");
228
229     } catch (Exception e) {
230         System.out.println("Data Pelanggan gagal dihapus");
231     }
232
233     case 4 :
234         System.exit(0);
235     }
236 }
237 public static void main (String[]args){
238     ulang();
239
240 }
241
242 }
243
244 // Arief Rahmad Yusriadi_20101152630084_IF-3_Kelas A
```