LAPORAN TUGAS PRAKTIKUM 8

PEMROGRAMAN BERORIENTASI OBJEK

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```
/*
```

Akses MySQL ke NetBeans

Source Code fupdatedata.java

```
    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        this.dispose(); //menutup form yang sedang aktif
    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        // membuat objek baru dari class person
        person p = new person();       //membuat dan memanggil objek p pada
class person
        //menset nilai ke dalam p.setid dari hasil konvert jTextField1
        p.setid(Integer.parseInt(jTextField1.getText()));
        //menset nilai ke dalam p.setnama dari jTextField2
        p.setnama((jTextField2.getText()));
        //membuat objek baru dari class OperasiMysql
        OperasiMySQL data = new OperasiMySQL();
        //menjalankan metode updatedata dengan menggunakan parameter objek p
        data.updatedata(p);
        //menampilkan pesan dialog data terupdate
        JOptionPane.showMessageDialog(null, "Data terupdate");
        //mereset jtextfield1 dan 2 kembali jadi null
        jTextField1.setText("");
        jTextField2.setText("");
    }
```

Source Code Praktikum8.java

```
/*
 * To change this license header, choose License Headers in Project
Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package pratikum8;

/**
 *
 * @author Lenovo
 */
public class Pratikum8 {

    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {
        // TODO code application logic here
        new menu().setVisible(true);    //memanggil form menu
    }

}
```

Source Code OperasiMySQL.java

```
public class OperasiMySQL {     //membuat koneksi MySQL ke netbeans
    Connection conn = null;
    String url = "jdbc:mysql://localhost/";
    String dbname = "test";
    String driver = "com.mysql.jdbc.Driver";
    String userName = "root";
    String password = "";
    private Statement statement = null;
    private PreparedStatement preparedStatement = null;
    private ResultSet resultSet = null;

    public void insertdata(person p){     //membuat operasi tambah data ke
SQL
        try {
            Class.forName(driver).newInstance();
            conn = (Connection)
DriverManager.getConnection(url+dbname,userName,password);
            statement = (Statement) conn.createStatement();
            preparedStatement = (PreparedStatement)
conn.prepareStatement("insert into personal values(?,?)");
            preparedStatement.setInt(1, p.getid());
            preparedStatement.setString(2, p.getnama());
            preparedStatement.executeUpdate();
            conn.close();
        } catch (Exception e) {
            System.out.println("No Connection =( ");
        }
    }

    public void tampildata(JTable tdata){      //Membaca data SQL
        DefaultTableModel tbm = new DefaultTableModel();
        tbm.addColumn("ID");
        tbm.addColumn("Nama");
        tdata.setModel(tbm);

        try {
            conn = (Connection)
DriverManager.getConnection(url+dbname,userName,password);
            statement = (Statement) conn.createStatement();
            String sql = "select * from personal";
            ResultSet res = statement.executeQuery(sql);

            while(res.next()){
                tbm.addRow(new Object[]{
                    res.getString("id"),
                    res.getString("nama"),
                });
                tdata.setModel(tbm);
            }
        } catch (Exception e) {
            System.out.println("No Connection =( ");
        }
    }
```

```
    public void updatedata(person p){   //Mengupdate data SQL
        try {
            conn = (Connection)
DriverManager.getConnection(url+dbname,userName,password);
            statement = (Statement) conn.createStatement();
            String sql = "SELECT * FROM personal";
            ResultSet res = statement.executeQuery(sql);

            while(res.next()){
              if(res.getString("id").equals(Integer.toString(p.getid()))){
                String query = "UPDATE personal SET nama=? WHERE
id="+p.getid();
                preparedStatement = (PreparedStatement)
conn.prepareStatement(query);
                preparedStatement.setString(1, p.getnama());
                preparedStatement.executeUpdate();
              }
            }
        } catch (Exception e) {
            System.out.println("No Connection =( untuk update");
        }
    }

    public void deletedata(person p){ //Menghapus data SQL
        try {
            conn = (Connection)
DriverManager.getConnection(url+dbname,userName,password);
            statement = (Statement) conn.createStatement();
            String sql = "SELECT * FROM personal";
            ResultSet res = statement.executeQuery(sql);

            while(res.next()){
              if(res.getString("id").equals(Integer.toString(p.getid()))){
                String query = "DELETE FROM personal WHERE id="+p.getid();
                preparedStatement = (PreparedStatement)
conn.prepareStatement(query);
                preparedStatement.executeUpdate();
              }
            }
        } catch (Exception e) {
            System.out.println("No Connection =( untuk delete");
        }
    }
}
```

Source Code hapusdata.java

```
      private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        this.dispose(); //menutup form yang sedang aktif
    }

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        person p = new person();
        p.setid(Integer.parseInt(jTextField1.getText()));
```

```
        OperasiMySQL o = new OperasiMySQL();
        o.deletedata(p);
        JOptionPane.showMessageDialog(null, "Data Berhasil Dihapus");
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting
code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with
the default look and feel.
         * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(hapusdata.class.getName()).log(java.util.l
ogging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(hapusdata.class.getName()).log(java.util.l
ogging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(hapusdata.class.getName()).log(java.util.l
ogging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(hapusdata.class.getName()).log(java.util.l
ogging.Level.SEVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new hapusdata().setVisible(true);
            }
        });
    }
```

Source Code inputdata.java

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        person p = new person();
        p.setid(Integer.parseInt(jTextField1.getText()));
        p.setnama((jTextField2.getText()));
        OperasiMySQL data = new OperasiMySQL();
        data.insertdata(p);
        JOptionPane.showMessageDialog(null, "Data tersimpan");
        jTextField1.setText("");
        jTextField2.setText("");
    }

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        this.dispose();
    }
```

Source Code lihatdata.java

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        //menutup form yang sedang aktif
        this.dispose();
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting
code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with
the default look and feel.
         * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(lihatdata.class.getName()).log(java.util.l
ogging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(lihatdata.class.getName()).log(java.util.l
ogging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
```

```
java.util.logging.Logger.getLogger(lihatdata.class.getName()).log(java.util.l
ogging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(lihatdata.class.getName()).log(java.util.l
ogging.Level.SEVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new lihatdata().setVisible(true);
            }
        });
    }
```

Source Code menu.java

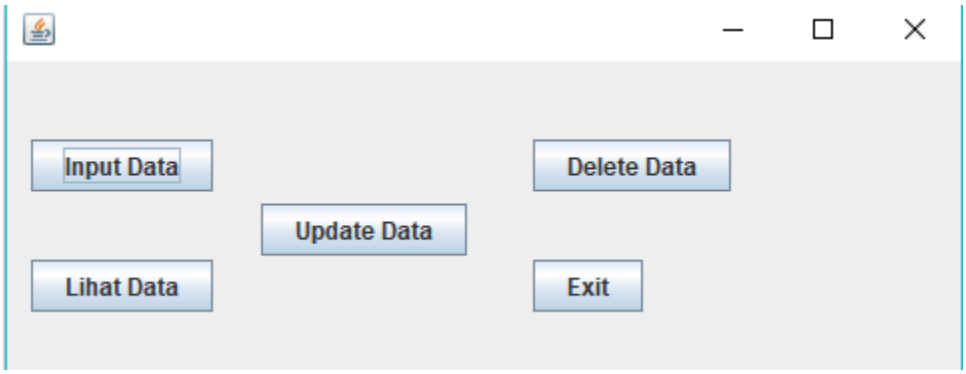
```
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        System.exit(0);
    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        new inputdata().setVisible(true);
    }

    private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        new lihatdata().setVisible(true);
    }

    private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        new fupdatedata().setVisible(true);
    }

    private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        new hapusdata().setVisible(true);
    }
```

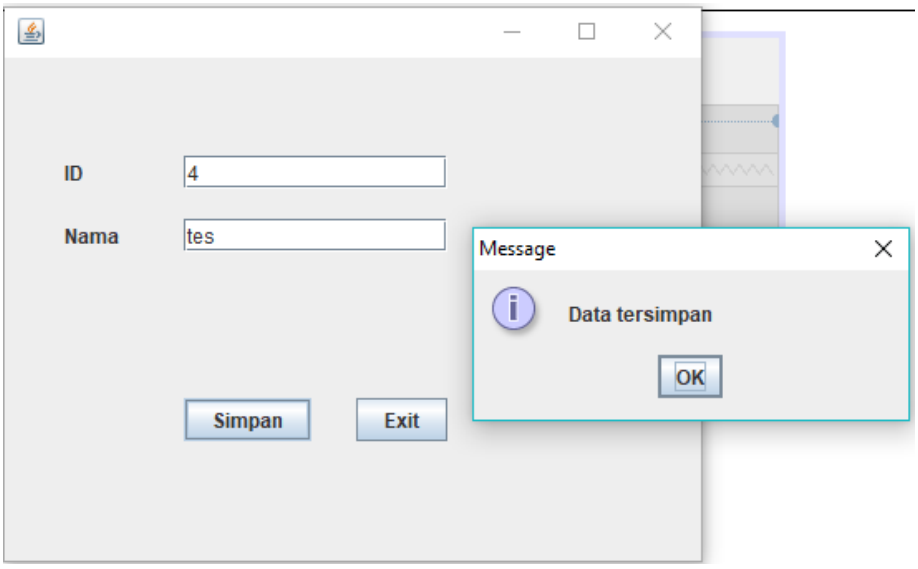
Source Code person.java

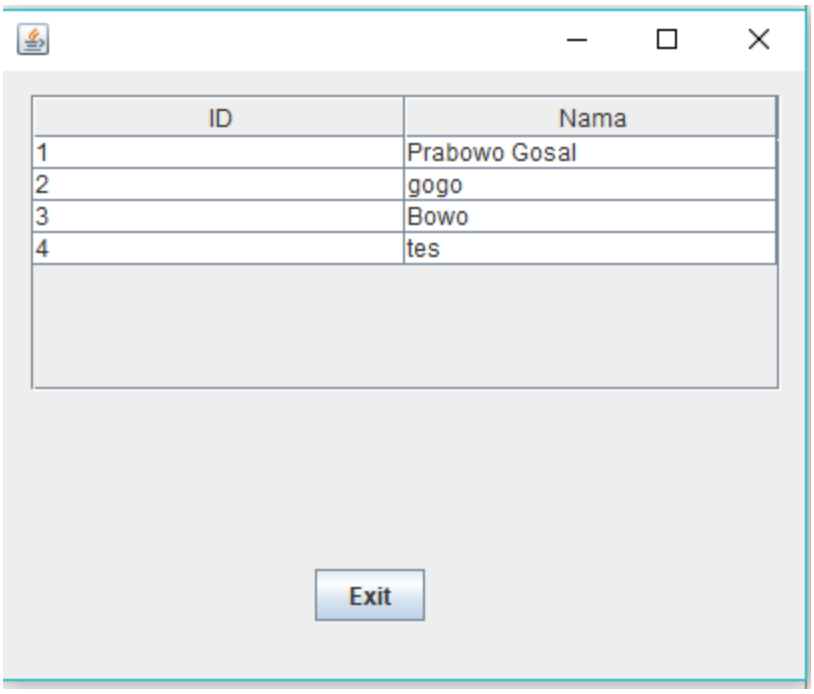
```
package pratikum8;

/**
 *
 * @author Lenovo
 */
public class person {
    private int id;     //mendeklarasikan variabel
    private String nama;
```

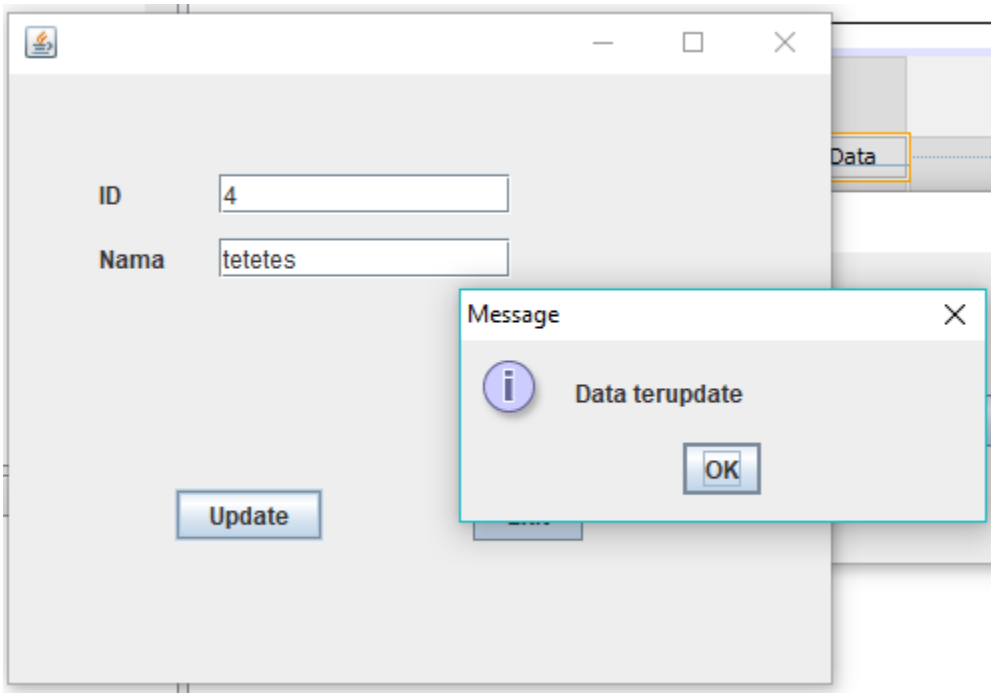
```
    public void setid(int id){   //membuat metode
        this.id = id;
    }

    public void setnama(String nama){
        this.nama = nama;
    }

    public int getid(){
        return(id);
    }

    public String getnama(){
        return(nama);
    }
}
```

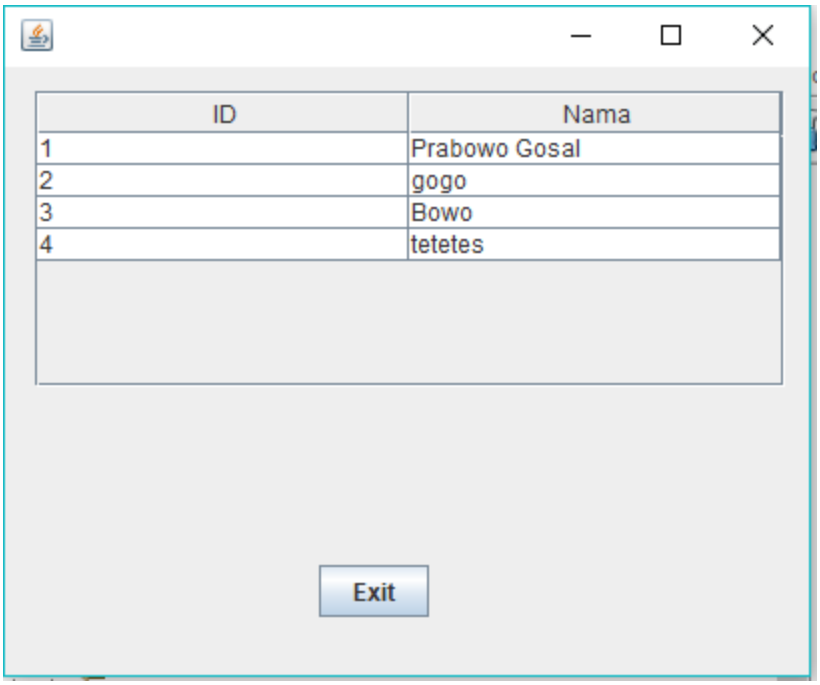
Hasil uji coba

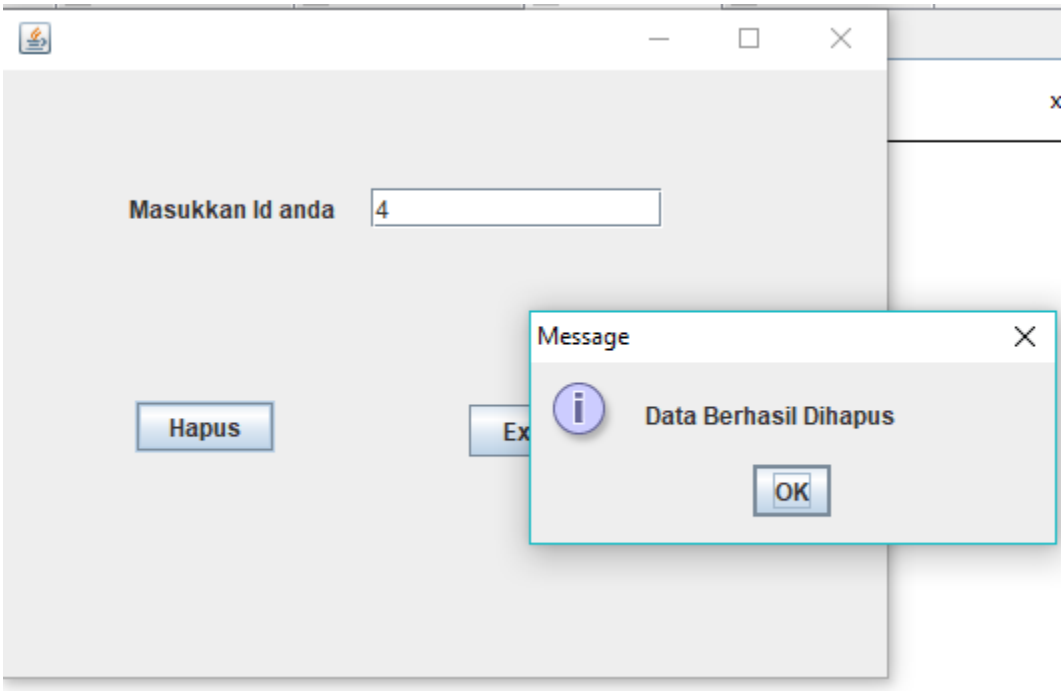


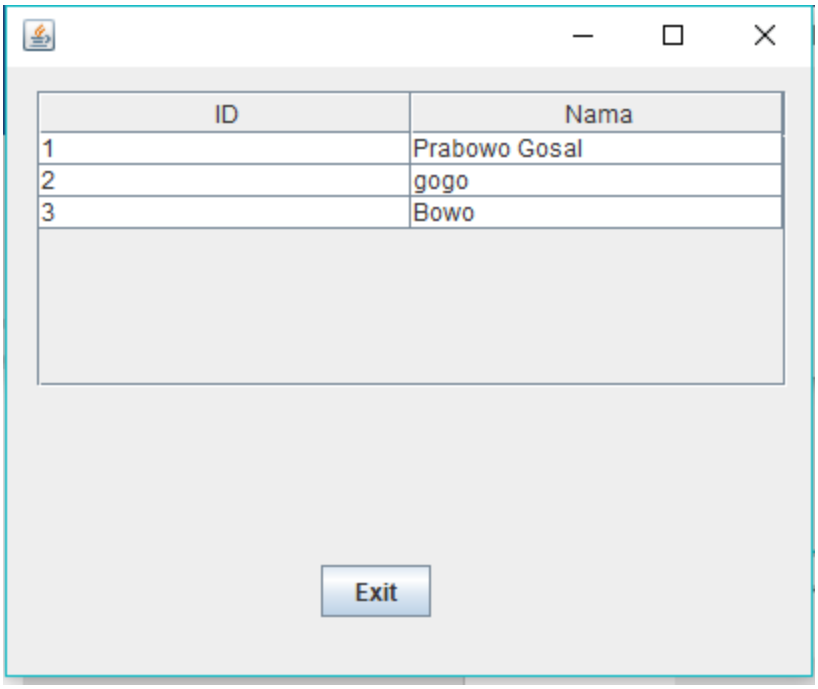



ID
Nama
1
Prabowo Gosal
2
gogo
3
Bowo
4
tes
Exit


ID
4
Nama
tetetes
Update
Message
Data terupdate
OK
Data


ID
Nama
1
Prabowo Gosal
2
gogo
3
Bowo
4
tetetes
Exit


Masukkan Id anda
4
Hapus
Message
Data Berhasil Dihapus
OK


ID
Nama
1
Prabowo Gosal
2
gogo
3
Bowo
Exit