Tugas Praktikum

Package modul6kamus

modul6kamus Class::

```
package modul6kamus;

import modul6kamus.view.KamusView;

/**
 *
 * @author praktikan
 */
public class Modul6Kamus {

    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {
        KamusView kamusView = new KamusView();
    }

}
```

Keterangan Source Code :

Tugas Praktikum

Package modul6kamus.controller

KamusController Class:

```
package modul6kamus.controller;
import modul6kamus.data.Data;
import modul6kamus.model.Kamus;
public class KamusController {
    public void insertDataKamus() {
        Kamus k = new Kamus("baju", "dress",
"asdfghjsdghjdfghjk", "asdfghjksdfghjkldfghjkl");
        Data.kamusArr.add(k);
        Kamus k1 = new Kamus("kambing", "goat",
"asdfghjsdghjdfghjk", "asdfghjksdfghjkldfghjkl");
        Data.kamusArr.add(k1);
        Kamus k2 = new Kamus("laki-laki", "man",
"asdfghjsdghjdfghjk", "asdfghjksdfghjkldfghjkl");
        Data.kamusArr.add(k2);
        Kamus k3 = new Kamus("hitam", "black",
"asdfghjsdghjdfghjk", "asdfghjksdfghjkldfghjkl");
        Data.kamusArr.add(k3);
        Kamus k4 = new Kamus("kursi", "chair",
"asdfghjsdghjdfghjk", "asdfghjksdfghjkldfghjkl");
        Data.kamusArr.add(k4);
        Kamus k5 = new Kamus("papan tulis", "whiteboard",
"asdfghjsdghjdfghjk", "asdfghjksdfghjkldfghjkl");
        Data.kamusArr.add(k5);
    }
public String searchWord(String q, int status) {
        String text = null;
        for (int i = 0; i < Data.kamusArr.size(); i++) {
            if (status == 1) {
                if
(Data.kamusArr.get(i).getEn().equals(q)) {
                    text = Data.kamusArr.get(i).getIn() +
"\n" + Data.kamusArr.get(i).getInEx();
                }
            } else {
                if
(Data.kamusArr.get(i).getIn().equals(q)) {
                    text = Data.kamusArr.get(i).getEn() +
"\n" + Data.kamusArr.get(i).getEnEx();
                }
            }
        }
        return text;
    }}
```

Tugas Praktikum

Keterangan Source Code :

Tugas Praktikum

Package modul6kamus.data

Data Class :

```
package modul6kamus.data;

import java.util.ArrayList;
import modul6kamus.model.Kamus;

/**
 *
 * @author udin
 */
public class Data {

    public static ArrayList<Kamus> kamusArr = new
ArrayList<>();

}
```

Keterangan Source Code :

Tugas Praktikum

Package modul6kamus.model

Kamus Class :

```
package modul6kamus.model;
/**
 *
 * @author udin
 */
public class Kamus {
    private String in;
    private String inEx;
    private String en;
    private String enEx;

    public Kamus(String in, String en,String inEx, String
enEx) {
        this.in = in;
        this.inEx = inEx;
        this.en = en;
        this.enEx = enEx;
    }
    public void setInEx(String inEx) {
        this.inEx = inEx;
    }
    public String getInEx() {
        return inEx;
    }
    public String getEnEx() {
        return enEx;
    }
    public void setEnEx(String enEx) {
        this.enEx = enEx;
    }
    public void setEn(String en) {
        this.en = en;
    }
    public String getEn() {
        return en;
    }
    public void setIn(String in) {
        this.in = in;
    }
    public String getIn() {
        return in;
    }
```

Tugas Praktikum

Keterangan Source Code :

Tugas Praktikum

Package modul6kamus.view

ComponenView Class :

```
package modul6kamus.view;

import javax.swing.ButtonGroup;
import javax.swing.JComboBox;
import javax.swing.JFrame;
import javax.swing.JLabel;
import javax.swing.JPanel;
import javax.swing.JRadioButton;
import javax.swing.JTextArea;
import javax.swing.JTextField;

/**
 *
 * @author praktikan
 */
public class ComponentView extends JFrame{

    JLabel lblKamus = new JLabel("Kamus");

      String color[] = {"Red","Blue"};
      JComboBox jcColor = new JComboBox(color);

      JRadioButton jrIndoToIng = new
      JRadioButton("Indonesia - Inggris");
      JRadioButton jrIngToIndo = new JRadioButton("Inggris
- Indonesia");

      ButtonGroup buttonGroup = new ButtonGroup();

      JLabel lblKata = new JLabel("Kata :");

      JTextField jtxtKata = new JTextField();

      JTextArea jtxtDetail = new JTextArea();

      JPanel jpLayout = new JPanel();


}
```

Tugas Praktikum

Keterangan Source Code :

Tugas Praktikum

KamusView Class :

```
package modul6kamus.view;

import java.awt.Color;
import java.awt.Font;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import javax.swing.JFrame;
import javax.swing.JOptionPane;
import modul6kamus.controller.KamusController;

/**
 *
 * @author praktikan
 */
public class KamusView extends ComponentView {

    static KamusController kamusController = new
KamusController();

    public KamusView() {

        kamusController.insertDataKamus();

        lblKamus.setBounds(200, 18, 200, 26);
        lblKamus.setFont(new Font("Consolas", Font.BOLD,
24));
        add(lblKamus);

        jcColor.setBounds(410, 18, 75, 26);
        add(jcColor);

        jcColor.addActionListener(new ActionListener() {
            @Override
            public void actionPerformed(ActionEvent e) {
                String colorName =
jcColor.getSelectedItem().toString().toLowerCase();
                switch (colorName) {
                    case "red":
                       jpLayout.setBackground(Color.red);
                        break;
                    case "blue":
                      jpLayout.setBackground(Color.blue);
                        break;
```

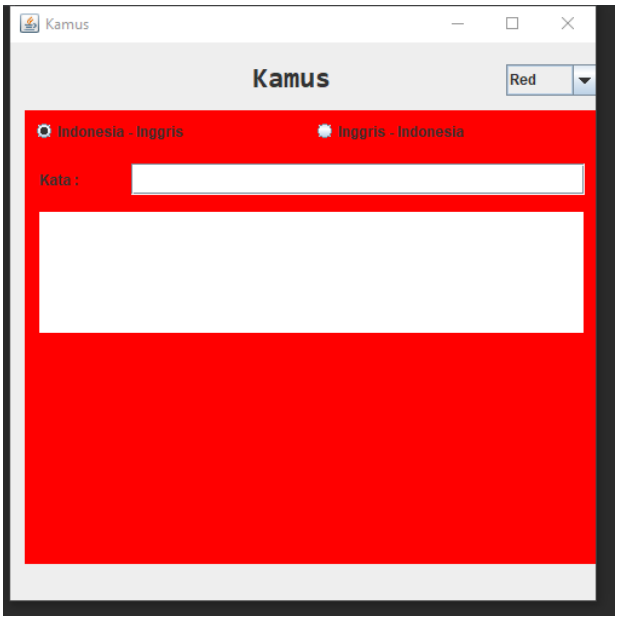
```
                    default:

jpLayout.setBackground(Color.red);
                        break;
                }
            }
        });

        jrIndoToIng.setBounds(18, 60, 200, 26);
        jrIndoToIng.setBackground(new Color(0, 0, 0, 0));
        add(jrIndoToIng);
        jrIndoToIng.setSelected(true);

        jrIngToIndo.setBounds(250, 60, 250, 26);
        jrIngToIndo.setBackground(new Color(0, 0, 0, 0));
        add(jrIngToIndo);

        buttonGroup.add(jrIndoToIng);
        buttonGroup.add(jrIngToIndo);

        lblKata.setBounds(24, 100, 100, 26);
        add(lblKata);

        jtxtKata.setBounds(100, 100, 375, 26);
        add(jtxtKata);

        jtxtKata.addActionListener(new ActionListener() {
            @Override
            public void actionPerformed(ActionEvent e) {
                if (jrIngToIndo.isSelected() == false &&
jrIndoToIng.isSelected() == false) {
                    JOptionPane.showMessageDialog(null,
"Pilih Translate terlebih dahulu !");
                } else {
                    if (jtxtKata.getText().equals("")) {

JOptionPane.showMessageDialog(null, "Kata belum
diinputkan !");
                    } else {
                        int status =
jrIngToIndo.isSelected() == true ? 1 : 2;
                        String kata =
kamusController.searchWord(jtxtKata.getText(), status);
                        if (kata == null) {
```

```
JOptionPane.showMessageDialog(null, "Kata tidak ditemukan
!");
                        } else {

                            System.out.println("KATA = " +
                    kata);
                             jtxtDetail.setText(kata);
                        }
                    }
                }

            }
        });

        jtxtDetail.setBounds(24, 140, 450, 100);
        add(jtxtDetail);


        jpLayout.setBounds(12, 56, 475, 375);
        jpLayout.setBackground(Color.red);
        add(jpLayout);


       setTitle("Kamus");

        setSize(500, 500);

        setLayout(null);

        setLocationRelativeTo(null);

        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

        setVisible(true);

    }

}
```

Tugas Praktikum

Keterangan Source Code :

Tugas Praktikum



Tugas Praktikum

Keterangan Source Code :