PRAKTIKUM PEMROGRAMAN BERORIENTASI OBJEK UAS



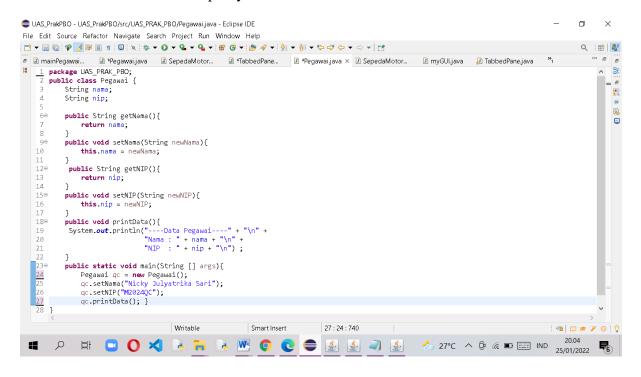
Nama: NICKY JULYATRIKA SARI

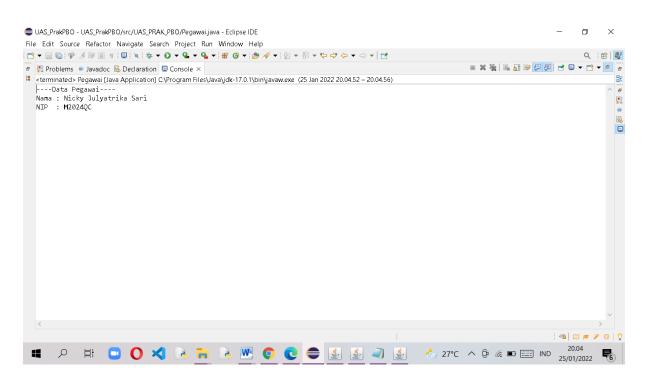
NIM: L200200101

PROGRAM STUDI INFORMATIKA FAKULTAS KOMUNIKASI DAN INFORMATIKA UNIVERSITAS MUHAMMADIYAH SURAKARTA TAHUN 2021/2022

1. Soal nomer 1

- a. Buatlah program berdasarkan UML di lembar soal! (Package bebas tidak dipermasalahkan dalam soal ini)
- b. Tambahkan dua buah constructor sebagai implementasi konsep polymorphism
 - Secreenshot kode dan outputnya



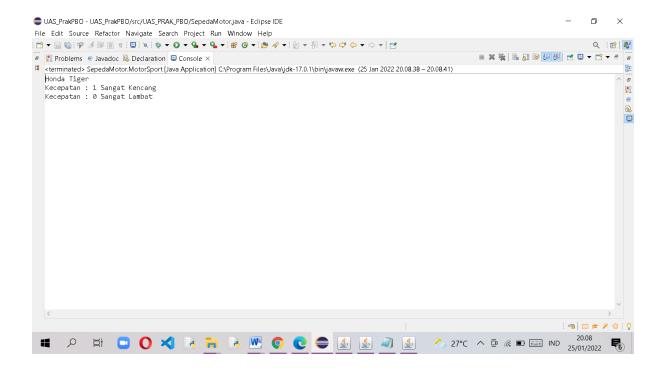


2. Lengkapilah kode programnya sesuai informasi komentar di dalam program (poin a hingga e)

Secreenshot kode dan outputnya

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    1 package UAS_PRAK_PBO;
      public class SepedaMotor {
          String merk;
int Gerigi = 0;
          interface OperasiGerigi {
              void tambah();
void kurang();
          static class MotorSport extends SepedaMotor implements OperasiGerigi{
              public MotorSport (String merk) {
   this.merk = merk;
   System.out.println(merk);
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              @Override
              public void tambah() {
    Gerigi++;
                   System.out.println("Kecepatan : " + Gerigi+ " Sangat Kencang");
              @Override
              public void kurang() {
                   System.out.println("Kecepatan : " + Gerigi + " Sangat Lambat");
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UAS PrakPBO - UAS PrakPBO/src/UAS PRAK PBO/SepedaMotor.iava - Eclipse IDE
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            void tambah();
            void kurang();
  10
         static class MotorSport extends SepedaMotor implements OperasiGerigi{
            public MotorSport (String merk) {
   this.merk = merk;
   System.out.println(merk);
            @Override
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            public void tambah() {
    Gerigi++;
                 System.out.println("Kecepatan : " + Gerigi+ " Sangat Kencang");
            60verride
            public void kurang() {
                 System.out.println("Kecepatan : " + Gerigi + " Sangat Lambat");
         public static void main(String [] args) {
    SepedaMotor.MotorSport gg = new SepedaMotor.MotorSport("Honda Tiger");
            gg.tambah();
            gg.kurang();}
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```



- 3. Berdasarkan soal No.1 dan No.2, tampilkan output program masing masing menggunakan JTabbedPane seperti ilustrasi berikut
- a. Tambahkan judul frame dengan NIM Anda masing-masing!
 - Secreenshot kode dan outputnya

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UAS_PrakPBO - UAS_PrakPBO/src/UAS_PRAK_PBO/myGUI.java - Eclipse IDE
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     1 package UAS_PRAK_PBO;
     3⊕import javax.swing.*;∏
       public class mvGUI {
            public myGUI() {
   Pegawai qc = new Pegawai();
   qc.setNama("Nicky Julyatrika Sari");
   qc.setNIP("M2024QC");
                 SepedaMotor.MotorSport m= new SepedaMotor.MotorSport("Tiger");
                 m.tambah();
                 JFrame jf = new JFrame("L200200101");
jf.setSize(300,150);
jf.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
jf.setVisible(true);
                 if.setLocationRelativeTo(null);
                 //tab Soal Nomer 1
JPanel t1 = new JPanel();
                 Jamel I = new Jahel();

Jlabel label1 = new Jlabel("-----Data Pegawai-----");

Jlabel label2 = new Jlabel("Nama : "+qc.getNama());

Jlabel label3 = new Jlabel("NIP : "+qc.getNIP());
                  t1.add(label1);
                 t1 add(lahel2)
                  t1.add(label3);
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}
               t1.add(label3);
               //tab Soal Nomer 2

JPanel 2 = new JPanel();

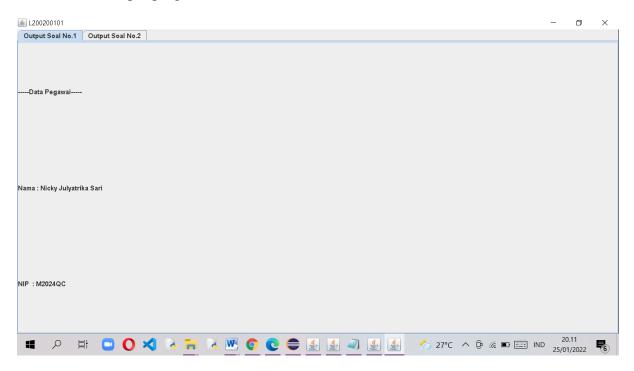
t2.setLayout(new GridLayout(3,1));

JLabel label4 = new JLabel("----Data Motor----");

JLabel label5 = new JLabel("Merk Motor : "+m.merk);

JLabel label6 = new JLabel("Gerigi Motor : "+m.Gerigi);
               t2.add(label4);
t2.add(label5);
t2.add(label6);
               JTabbedPane jt = new JTabbedPane();
jt.addTab("Output Soal No.1", t1);
jt.addTab("Output Soal No.2", t2);
jf.add(jt);
           public static void main(String[] args) {
               new myGUI();
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b. Panel tab 1 berisi output program No.1



c. Panel tab 2 berisi output program No.2

