Koding Form Serial Menggunakan Program C Sharp

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Data.SqlClient;
using System.Media;
using System.IO;

namespace WindowsFormsApplication1
{
   public partial class Form_Serial : Form
   {
      public static String data_serial;
      public static String id_rfid;
      public static String status_parkir1;
      public static String status_parkir2;
      public static String status_parkir3;
      public static String status_parkir4;
      public static String status_parkir5;
      public static String status_parkir6;
      public static String status_parkir7;
      public static String status_parkir8;
      public static String status_parkir9;
      public static String status_parkir10;
      public static String status_parkir11;
      public static String status_parkir12;

      private SoundPlayer Player = null;

      public Form_Serial()
      {
         InitializeComponent();
         arduino.Open();
         data_serial = "";
         new Form1().Show();

      }
      private void PlayWav(Stream stream, bool play_looping)
      {
         // Stop the player if it is running.
         if (Player != null)
```

```
            {
                Player.Stop();
                Player.Dispose();
                Player = null;
            }

            // If we have no stream, we're done.
            if (stream == null) return;

            // Make the new player for the WAV stream.

            Player = new SoundPlayer(stream);

            // Play.
            if (play_looping)
                Player.PlayLooping();
            else
                Player.Play();
        }

        private void arduino_DataReceived(object sender,
System.IO.Ports.SerialDataReceivedEventArgs e)
        {
            //txtRFID.Text = arduino.ReadLine();
            if (arduino.BytesToRead > 5)
            {
                data_serial = arduino.ReadLine();
                data_serial = data_serial.Trim();
                //data_serial = data_serial.Replace("id:", "");
                Console.WriteLine(data_serial);
            }

        }
        koneksi konn = new koneksi();

        private void timer1_Tick(object sender, EventArgs e)
        {

            if (data_serial.IndexOf("silahkan_masuk") != -1)
            {
                if (!timer2.Enabled)
                {
                    timer2.Start();
                    PlayWav(Properties.Resources.Tempelkan_kartu, false);
                }

            }
```

```
String[] pecahan_teks = data_serial.Split(',');
if (pecahan_teks[0].Equals("in"))
{
   data_serial = "";
   String id_kartu = pecahan_teks[1];
   id_kartu = dekripsi(id_kartu);

   id_rfid = id_kartu;

   txtRFID.Text = id_kartu;
   String rfid = id_kartu;
   String jamsuk = DateTime.Now.ToString();
   //String jamkel = txtjamkel.Text.ToString();
   String posisi = get_parkir_free();
   String posisi2 = "";
   if (posisi.Equals("1"))
   {
      posisi2 = "A1";
   }
   if (posisi.Equals("2"))
   {
      posisi2 = "A2";
   }
   if (posisi.Equals("3"))
   {
      posisi2 = "A3";
   }
   if (posisi.Equals("4"))
   {
      posisi2 = "A4";
   }
   if (posisi.Equals("5"))
   {
      posisi2 = "A5";
   }
   if (posisi.Equals("6"))
   {
      posisi2 = "A6";
   }
   if (posisi.Equals("7"))
   {
      posisi2 = "B1";
   }
   if (posisi.Equals("8"))
   {
      posisi2 = "B2";
   }
   if (posisi.Equals("9"))
```

```
            {
               posisi2 = "B3";
            }
            if (posisi.Equals("10"))
            {
               posisi2 = "B4";
            }
            if (posisi.Equals("11"))
            {
               posisi2 = "B5";
            }
            if (posisi.Equals("12"))
            {
               posisi2 = "B6";
            }
            System.Data.SqlClient.SqlConnection conn = konn.GetConn();
            conn.Open();
            //String sql = "insert into
tabel_jammasukkeluar(rfid,jammasuk,jamkeluar,posisi) values ('" + rfid + "','" +
jamsuk + "','','" + posisi + "')";
            //ini perintah untuk cek apakah rfid udah terdaftar
            String sql = "select * from tabel_jammasukkeluar where rfid ='" +rfid
+"' and jamkeluar='';
            SqlCommand command = new SqlCommand(sql, conn);
            int jumlah = 0;

            SqlDataReader myreader = command.ExecuteReader();
            if (myreader.Read())
            {
               posisi = myreader.GetValue(4).ToString();
               jumlah++;
            }

            //myreader = command.ExecuteReader();
            //try
            //{
            //    jumlah = (int)command.ExecuteScalar();

            //}
            //catch (Exception ex)
            //{
            //    Console.WriteLine(ex.ToString());
            //}
            //Console.WriteLine(jumlah);
            conn.Close();
            conn.Open();
            if (jumlah > 0)
            {
```

```
                sql = "update tabel_jammasukkeluar set jamkeluar='" + jamsuk + "'
where rfid ='" + rfid + "' ";
                arduino.WriteLine("Keluar");
                command = new SqlCommand(sql, conn);
                command.ExecuteNonQuery();
                conn.Close();
                conn.Open();

                if (posisi.Equals("A1")) posisi = "1";
                if (posisi.Equals("A2")) posisi = "2";
                if (posisi.Equals("A3")) posisi = "3";
                if (posisi.Equals("A4")) posisi = "4";
                if (posisi.Equals("A5")) posisi = "5";
                if (posisi.Equals("A6")) posisi = "6";
                if (posisi.Equals("B1")) posisi = "7";
                if (posisi.Equals("B2")) posisi = "8";
                if (posisi.Equals("B3")) posisi = "9";
                if (posisi.Equals("B4")) posisi = "10";
                if (posisi.Equals("B5")) posisi = "11";
                if (posisi.Equals("B6")) posisi = "12";

                sql = "update tabel_lokasiparkir set status='0' where lokasiparkir='" +
posisi + "'";
                //arduino.WriteLine("Keluar");
                command = new SqlCommand(sql, conn);
                command.ExecuteNonQuery();
                conn.Close();

                PlayWav(Properties.Resources.Terima_Kasih, false);

            }
            else
            {

                if (posisi2.Length == 0)
                {

                }
                else
                {
                    sql = "insert into
tabel_jammasukkeluar(rfid,jammasuk,jamkeluar,posisi) values ('" + rfid + "','" +
jamsuk + "','" + posisi2 + "')";
                    arduino.WriteLine("Masuk");
                    command = new SqlCommand(sql, conn);
                    command.ExecuteNonQuery();
                    conn.Close();
                    conn.Open();
```

```
                sql = "update tabel_lokasiparkir set status='1' where lokasiparkir='"
+ posisi + "'";
                //arduino.WriteLine("Keluar");
                command = new SqlCommand(sql, conn);
                command.ExecuteNonQuery();
                conn.Close();
                if (posisi.Equals("1"))
                {
                   PlayWav(Properties.Resources.A1, false);
                }

                if (posisi.Equals("2"))
                {
                   PlayWav(Properties.Resources.A2, false);
                }

                if (posisi.Equals("3"))
                {
                   PlayWav(Properties.Resources.A3, false);
                }

                if (posisi.Equals("4"))
                {
                   PlayWav(Properties.Resources.A4, false);
                }

                if (posisi.Equals("5"))
                {
                   PlayWav(Properties.Resources.A5, false);
                }

                if (posisi.Equals("6"))
                {
                   PlayWav(Properties.Resources.A6, false);
                }

                if (posisi.Equals("7"))
                {
                   PlayWav(Properties.Resources.B1, false);
                }

                if (posisi.Equals("8"))
                {
                   PlayWav(Properties.Resources.B2, false);
                }

                if (posisi.Equals("9"))
                {
```

```
            PlayWav(Properties.Resources.B3, false);
        }

        if (posisi.Equals("10"))
        {
            PlayWav(Properties.Resources.B4, false);
        }

        if (posisi.Equals("11"))
        {
            PlayWav(Properties.Resources.B5, false);
        }

        if (posisi.Equals("12"))
        {
            PlayWav(Properties.Resources.B6, false);
            //}
        }
        //List<String> lstEmails = new List<String>();
        //while (myreader.Read())
        //{
        //    lstEmails.Add(myreader[0].ToString());
        //    //strValue=myreader["email"].ToString();
        //    //strValue=myreader.GetString(0);
        //}

        //command.ExecuteNonQuery();
        //MessageBox.Show("Data Kategori Sukses Tersimpan");
        kirim_kondisi_lahan();
        data_serial = "";
        Form6.data_baru = true;

      }

    }

}
    else if (pecahan_teks[0].Equals("parkir"))
{
    status_parkir1 = pecahan_teks[1];
    status_parkir2 = pecahan_teks[2];
    status_parkir3 = pecahan_teks[3];
    status_parkir4 = pecahan_teks[4];
    status_parkir5 = pecahan_teks[5];
    status_parkir6 = pecahan_teks[6];
    status_parkir7 = pecahan_teks[7];
    status_parkir8 = pecahan_teks[8];
    status_parkir9 = pecahan_teks[9];
```

```
            status_parkir10 = pecahan_teks[10];
            status_parkir11 = pecahan_teks[11];
            status_parkir12 = pecahan_teks[12];
            kirim_kondisi_lahan();
        }

        //Console.WriteLine(data_serial);
    }

    void kirim_kondisi_lahan()
    {
        String jawaban = "Kondisi,";
        System.Data.SqlClient.SqlConnection conn = konn.GetConn();
        conn.Open();
        String sql = "select * from tabel_lokasiparkir";
        SqlCommand command = new SqlCommand(sql, conn);
        //SqlDataAdapter da = new SqlDataAdapter(command);
        SqlDataReader dr = command.ExecuteReader();
        String parkir = "";
        while (dr.Read())
        {
            if (dr.GetValue(2).ToString().Equals("1"))
            {
                jawaban += "Ada,";
            }
            else
            {
                jawaban += "Kosong,";
            }
        }
        conn.Close();

        Console.WriteLine(jawaban);
        arduino.WriteLine(jawaban);
    }

    String get_parkir_free()
    {
        System.Data.SqlClient.SqlConnection conn = konn.GetConn();
        conn.Open();
        //String sql = "insert into
tabel_jammasukkeluar(rfid,jammasuk,jamkeluar,posisi) values ('" + rfid + "','" +
jamsuk + "','" + posisi + "')";
        //ini perintah untuk cek apakah rfid udah terdaftar
        String sql = "select * from tabel_lokasiparkir where status='0'";
        SqlCommand command = new SqlCommand(sql, conn);
        //SqlDataAdapter da = new SqlDataAdapter(command);
        SqlDataReader dr = command.ExecuteReader();
```

```
    String parkir = "";
    if (dr.Read())
    {
        parkir = dr.GetValue(1).ToString();
    }
    conn.Close();
    return parkir;
}

private void Form_Serial_Load(object sender, EventArgs e)
{
    status_parkir1 = "0";
    status_parkir2 = "0";
    status_parkir3 = "0";
    status_parkir4 = "0";
    status_parkir5 = "0";
    status_parkir6 = "0";
    status_parkir7 = "0";
    status_parkir8 = "0";
    status_parkir9 = "0";
    status_parkir10 = "0";
    status_parkir11 = "0";
    status_parkir12 = "0";
}

private void timer2_Tick(object sender, EventArgs e)
{
    timer2.Stop();
}

String enkripsi(String plaintext)
{
    int[,] kunci = new int[2, 2];
    String hasil_enkrip = "";
    kunci[0, 0] = 3;
    kunci[0, 1] = 3;
    kunci[1, 0] = 2;
    kunci[1, 1] = 5;

    //plaintext dipecah jadi array 2 2 2
    //cek dulu genap atau ganjil
    if (plaintext.Length % 2 == 0)
    {
        //genap
    }
    else
    {
        plaintext += " ";
```

```
    }
    //jadikan char array dahulu
    var plaintext_array = plaintext.ToCharArray();

    //jadikan 2 2
    for (int i = 0; i < plaintext_array.Length; i += 2)
    {
        char c1 = plaintext_array[i];
        char c2 = plaintext_array[i + 1];

        int n1 = kunci[0, 0] * c1;
        int n2 = kunci[0, 1] * c2;
        int n3 = kunci[1, 0] * c1;
        int n4 = kunci[1, 1] * c2;
        int n5 = n1 + n2;
        int n6 = n3 + n4;
        int n7 = n5 % 256;
        int n8 = n6 % 256;

        char e1 = (char)n7;
        char e2 = (char)n8;
        Console.WriteLine(e1 + "  " + e2);

        hasil_enkrip += e1 + "" + e2 + "";
        Console.WriteLine(hasil_enkrip);
    }

    var test_baca = hasil_enkrip.ToCharArray();
    return hasil_enkrip;
}

String dekripsi(String chippertext)
{
    int[,] kunci = new int[2, 2];
    String hasil_dekrip = "";
    kunci[0, 0] = 5;
    kunci[0, 1] = -3;
    kunci[1, 0] = -2;
    kunci[1, 1] = 3;

    //plaintext dipecah jadi array 2 2 2
    //cek dulu genap atau ganjil
    if (chippertext.Length % 2 == 0)
    {
        //genap
    }
    else
    {
```

```
            chippertext += " ";
        }
        //jadikan char array dahulu
        var chippertext_array = chippertext.ToCharArray();

        //jadikan 2 2
        for (int i = 0; i < chippertext_array.Length; i += 2)
        {
            char c1 = chippertext_array[i];
            char c2 = chippertext_array[i + 1];

            int n1 = kunci[0, 0] * c1;
            int n2 = kunci[0, 1] * c2;
            int n3 = kunci[1, 0] * c1;
            int n4 = kunci[1, 1] * c2;
            int n5 = n1 + n2;
            int n6 = n3 + n4;
            int n7 = n5 * 57;
            int n8 = n6 * 57;
            int n9 = n7 % 256;
            int n10 = n8 % 256;

            if (n9 < 0) n9 = 256 + n9;
            if (n10 < 0) n10 = 256 + n10;

            char e1 = (char)n9;
            char e2 = (char)n10;
            Console.WriteLine(e1 + "  " + e2);

            hasil_dekrip += e1 + "" + e2 + "";
            Console.WriteLine(hasil_dekrip);

        }

        return hasil_dekrip;
    }

  }

}
```

Koding Form 1 untuk Tampilan Depan Menggunakan Program C Sharp

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Data.Sql;
using System.Data.OleDb;
using System.Data.SqlClient;

namespace WindowsFormsApplication1
{
   public partial class Form1 : Form
   {
      SqlConnection con = new SqlConnection();


      public Form1()


      {
         con = new SqlConnection();
         con.ConnectionString = "Data Source=USER-PC\\SQLEXPRESS;Initial
Catalog=db_penataanlahanparkir;Integrated Security=True";

         InitializeComponent();
      }

      private void pictureBox1_Click(object sender, EventArgs e)
      {

      }

      private void textBox2_KeyPress(object sender, KeyPressEventArgs e)
      {
         string TidakDiijinkan = "~`@%^&+={[}]()!:,;'>";
         //karakter yang dijinkan adalah angka, huruf dan _ $ *)
         if (TidakDiijinkan.IndexOf(e.KeyChar) == -1 == false)
         {
            e.Handled = true;
         }
      }
```

```
        private void button1_Click(object sender, EventArgs e)
        {
          SqlConnection con = new SqlConnection();
          con.ConnectionString = "Data Source=USER-PC\\SQLEXPRESS;Initial
Catalog=db_penataanlahanparkir;Integrated Security=True";
          con.Open();
            string userid = textBox1.Text;
            string password = textBox2.Text;
            SqlCommand cmd = new SqlCommand("select username,password from
tabel_login where username='" + textBox1.Text + "'and password='" +
textBox2.Text + "'", con);
            SqlDataAdapter da = new SqlDataAdapter(cmd);
            DataTable dt = new DataTable();
            da.Fill(dt);
            if (dt.Rows.Count > 0)
            {
               MessageBox.Show("Login sucess");
               new Form2().Show();
               new Form5().Show();
            }
            else
            {
               MessageBox.Show("Invalid Login please check username and
password");
            }
            con.Close();
        }

        private void button2_Click(object sender, EventArgs e)
        {
           Application.Exit();
        }

        private void Form1_Load(object sender, EventArgs e)
        {

        }

        }
    }
```

Koding Form 2 untuk Beranda Menggunakan Program C Sharp

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace WindowsFormsApplication1
{
   public partial class Form2 : Form
   {
      public Form2()
      {
         InitializeComponent();
      }

      private void button1_Click(object sender, EventArgs e)
      {
         new Form5().Show();
      }

      private void button3_Click(object sender, EventArgs e)
      {
         new Form3().Show();
      }

      private void button6_Click(object sender, EventArgs e)
      {
         new Form1().Show();
      }

      private void button5_Click(object sender, EventArgs e)
      {
         new Form4().Show();
      }

      private void timer1_Tick(object sender, EventArgs e)
      {
         lblwaktu.Text = System.DateTime.Now.ToString();

      }

      private void Form2_Load(object sender, EventArgs e)
```

```
        {

        }

        private void button7_Click(object sender, EventArgs e)
        {
            new Form6().Show();
        }

        private void button8_Click(object sender, EventArgs e)
        {
            new Form7().Show();
        }

        private void button4_Click(object sender, EventArgs e)
        {
            new Form3().Show();
        }
    }
}
```

Koding Form 3 untuk Pencarian Lahan Parkir Menggunakan C Sharp

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Data.SqlClient;

namespace WindowsFormsApplication1
{
    public partial class Form3 : Form
    {
        public Form3()
        {
            InitializeComponent();
        }

        private void label3_Click(object sender, EventArgs e)
        {
            lblwaktu.Text = System.DateTime.Now.ToString();
        }
```

```
        private void timer1_Tick(object sender, EventArgs e)
        {
            lblwaktu.Text = System.DateTime.Now.ToString();
        }
        koneksi konn = new koneksi();

        private void button2_Click(object sender, EventArgs e)
        {
            System.Data.SqlClient.SqlConnection conn = konn.GetConn();
            conn.Open();
            String sql = "select j.posisi from tabel_jammasukkeluar j inner join
tabel_datamember d on j.rfid=d.rfid  where j.jamkeluar=" and
d.nomorregistrasi='"+textBox1.Text.ToString ()+"'";
            SqlCommand command = new SqlCommand(sql, conn);
            //SqlDataAdapter da = new SqlDataAdapter(command);
            SqlDataReader dr = command.ExecuteReader();
            String parkir = "";
            if (dr.Read())
            {
                parkir = dr.GetValue(0).ToString();
            }
            textBox2.Text = parkir;
            conn.Close();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            new Form2().Show();
        }

        private void Form3_Load(object sender, EventArgs e)
        {

        }
    }
}
```

Koding Form 4 untuk *New Member* Menggunakan Program C Sharp

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
```

```
using System.Data.SqlClient;

namespace WindowsFormsApplication1
{
   public partial class Form4 : Form
   {
      koneksi konn = new koneksi();
      public Form4()
      {
         InitializeComponent();
      }

      private void button1_Click(object sender, EventArgs e)
      {
         String rfid = txtrfid.Text.ToString();
         String noreg = txtnoreg.Text.ToString();
         String napem = txtnapem.Text.ToString();
         String alamat = txtalamat.Text.ToString();
         String merk = txtmerk.Text.ToString();
         String type = txttype.Text.ToString();
         String jenis = txtjenis.Text.ToString();
         String model = txtmodel.Text.ToString();
         String tahunpem = txttahunpem.Text.ToString();
         String isislinder = txtisislinder.Text.ToString();
         String norang = txtnorang.Text.ToString();
         String nomes = txtnomes.Text.ToString();
         String warna = txtwarna.Text.ToString();
         System.Data.SqlClient.SqlConnection conn = konn.GetConn();
         conn.Open();
         String sql = "insert into
tabel_datamember(rfid,nomorregistrasi,namapemilik,alamat,merk,type,jenis,mode
l,tahunpembuatan,isislinder,nomorrangka,nomormesin,warna) values
("'+rfid+"','"+noreg+"','"+napem+"','"+alamat+"','"+merk

+"','"+type+"','"+jenis+"','"+model+"','"+tahunpem+"','"+isislinder+"','"+norang+"'
,'"+nomes+"','"+warna+"')";
         SqlCommand command = new SqlCommand(sql, conn);
         command.ExecuteNonQuery();
         conn.Close();
         MessageBox.Show("Data Kategori Sukses Tersimpan");
      }

      private void Form4_Load(object sender, EventArgs e)
      {

      }

      private void textBox2_TextChanged(object sender, EventArgs e)
```

```
        {

        }

        private void button2_Click(object sender, EventArgs e)
        {
            new Form2().Show();
        }

        private void timer1_Tick(object sender, EventArgs e)
        {
            txtrfid.Text = Form_Serial.id_rfid;
        }
    }
}
```

Koding Form 5 untuk Mengetahui Slot lahan parkir Menggunakan C Sharp

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace WindowsFormsApplication1
{
    public partial class Form5 : Form
    {
        public Form5()
        {
            InitializeComponent();
        }

        private void timer1_Tick(object sender, EventArgs e)
        {
            pictureBox5.BackColor = Form_Serial.status_parkir1.Equals("1") ?
Color.Red : Color.Green;
            pictureBox6.BackColor = Form_Serial.status_parkir2.Equals("1") ?
Color.Red : Color.Green;
            pictureBox7.BackColor = Form_Serial.status_parkir3.Equals("1") ?
Color.Red : Color.Green;
            pictureBox8.BackColor = Form_Serial.status_parkir4.Equals("1") ?
Color.Red : Color.Green;
```

```
            pictureBox9.BackColor = Form_Serial.status_parkir5.Equals("1") ?
Color.Red : Color.Green;
            pictureBox10.BackColor = Form_Serial.status_parkir6.Equals("1") ?
Color.Red : Color.Green;
            pictureBox11.BackColor = Form_Serial.status_parkir7.Equals("1") ?
Color.Red : Color.Green;
            pictureBox12.BackColor = Form_Serial.status_parkir8.Equals("1") ?
Color.Red : Color.Green;
            pictureBox13.BackColor = Form_Serial.status_parkir9.Equals("1") ?
Color.Red : Color.Green;
            pictureBox14.BackColor = Form_Serial.status_parkir10.Equals("1") ?
Color.Red : Color.Green;
            pictureBox15.BackColor = Form_Serial.status_parkir11.Equals("1") ?
Color.Red : Color.Green;
            pictureBox16.BackColor = Form_Serial.status_parkir12.Equals("1") ?
Color.Red : Color.Green;
        }

        private void pictureBox12_Click(object sender, EventArgs e)
        {

        }

        private void Form5_Load(object sender, EventArgs e)
        {

        }
    }
}
```

Koding Form 6 untuk Mengetahui Jam Masuk Dan Jam Keluar Pengendara Menggunakan Progam C Sharp

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Data.SqlClient;

namespace WindowsFormsApplication1
{
    public partial class Form6 : Form
    {
```

```
        public static bool data_baru;
        koneksi konn = new koneksi();
        public Form6()
        {
            data_baru = false;
            InitializeComponent();
        }
        public void load_tabel(){

            string sqlQuery = @"SELECT * from tabel_jammasukkeluar order by id
desc";
            SqlCommand cmd = new SqlCommand(sqlQuery, konn.GetConn());
            SqlDataAdapter da = new SqlDataAdapter(cmd);
            DataTable table = new DataTable();
            da.Fill(table);
            dataGridView1.DataSource = new BindingSource(table, null);
        }
        private void Form6_Load(object sender, EventArgs e)
        {
            load_tabel();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            String rfid = txtrfid.Text.ToString();
            String jamsuk = txtjamsuk.Text.ToString();
            String jamkel = txtjamkel.Text.ToString();
            String posisi = txtposisi.Text.ToString();
            System.Data.SqlClient.SqlConnection conn = konn.GetConn();
            conn.Open();
            String sql = "insert into
tabel_jammasukkeluar(rfid,jammasuk,jamkeluar,posisi) values
('"+rfid+"','"+jamsuk+"','"+jamkel+"','"+posisi+"')";
            SqlCommand command = new SqlCommand(sql, conn);
            command.ExecuteNonQuery();
            conn.Close();
            MessageBox.Show("Data Kategori Sukses Tersimpan");
        }

        private void button2_Click(object sender, EventArgs e)
        {

        }

        private void timer1_Tick(object sender, EventArgs e)
        {
            if (data_baru)
            {
```

```
            data_baru = false;
            load_tabel();
        }
    }
  }
}
```

Koding Form 7 untuk Penginputan Lokasi Parkir Menggunakan Program C Sharp

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Data.SqlClient;

namespace WindowsFormsApplication1
{
   public partial class Form7 : Form
   {
      koneksi konn = new koneksi();
      public Form7()
      {
         InitializeComponent();
      }

      private void Form7_Load(object sender, EventArgs e)
      {

      }

      private void button1_Click(object sender, EventArgs e)
      {
         String inputlokasi = txtinputlokasi.Text.ToString();
         System.Data.SqlClient.SqlConnection conn = konn.GetConn();
         conn.Open();
         String sql = "insert into tabel_lokasiparkir(lokasiparkir) values
("'+inputlokasi+"')";
         SqlCommand command = new SqlCommand(sql, conn);
         command.ExecuteNonQuery();
         conn.Close();
         MessageBox.Show("Data Kategori Sukses Tersimpan");
      }
```

```
        private void button2_Click(object sender, EventArgs e)
        {

        }
    }
}
```

Koding Database SQL Server untuk Data Member

```
/****** Script for SelectTopNRows command from SSMS  ******/
SELECT TOP 1000 [id]
      ,[rfid]
      ,[nomorregistrasi]
      ,[namapemilik]
      ,[alamat]
      ,[merk]
      ,[type]
      ,[jenis]
      ,[model]
      ,[tahunpembuatan]
      ,[isislinder]
      ,[nomorrangka]
      ,[nomormesin]
      ,[warna]
  FROM [db_penataanlahanparkir].[dbo].[tabel_datamember]
```

Koding Database SQL Server untuk Jam Masuk dan Keluar Parkir

```
/****** Script for SelectTopNRows command from SSMS  ******/
SELECT TOP 1000 [id]
      ,[rfid]
      ,[jammasuk]
      ,[jamkeluar]
      ,[posisi]
  FROM [db_penataanlahanparkir].[dbo].[tabel_jammasukkeluar]
```

Koding Database SQL Server untuk Username dan Password Sistem

```
/****** Script for SelectTopNRows command from SSMS  ******/
SELECT TOP 1000 [id]
      ,[username]
      ,[password]
  FROM [db_penataanlahanparkir].[dbo].[tabel_login]
```

Koding Database SQL Server untuk Lokasi Parkir

```
/****** Script for SelectTopNRows command from SSMS  ******/
SELECT TOP 1000 [id]
      ,[lokasiparkir]
      ,[status]
  FROM [db_penataanlahanparkir].[dbo].[tabel_lokasiparkir]
```