LAMPIRAN

Lampiran 1. Code Program

```
Public Class Form_login
    Private Sub TextBox1_MouseClick(sender As Object, e As MouseEventArgs)
Handles TextBox1.MouseClick
        TextBox1.Clear()
        TextBox1.UseSystemPasswordChar = True
    End Sub
    Private Sub TextBox2_MouseClick(sender As Object, e As MouseEventArgs)
Handles TextBox2.MouseClick
        TextBox2.Clear()
        TextBox2.UseSystemPasswordChar = True
    End Sub
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles
Button1.Click
        Try
            If TextBox1.Text = "" Then
                MsgBox("username tidak boleh kosong")
            ElseIf TextBox2.Text = "" Then
                MsgBox("password tidak boleh kosong")
            Else
                Call bukaDB()
                Dim cmd As New Odbc.OdbcCommand
                cmd.Connection = konek
                cmd.CommandType = CommandType.Text
                cmd.CommandText = "select * from t_user where username ='"
& TextBox1.Text & "' and password='" & TextBox2.Text & "'"
                DR = cmd.ExecuteReader
                DR.Read()
                If DR.HasRows Then
                    If DR.Item("level") = "1" Then
                        Form1.Show()
                        Me.Hide()
                        MsgBox("Login sebagai admin")
                    ElseIf DR.Item("level") = "2" Then
                        form_user.Show()
                        Me.Hide()
                        MsgBox("Login sebagai user")
                    End If
                Else : MsgBox("Password atau username anda salah!")
                End If
            End If
            TextBox1.Text = ""
            TextBox2.Text = ""
            TextBox1.Focus()
        Catch ex As Exception
            MsgBox(ex.ToString, MsgBoxStyle.Exclamation, "Terjadi
kesalahan")
        End Try
    End Sub
    Private Sub Form_login_Load(sender As Object, e As EventArgs) Handles
MyBase.Load
        bukaDB()
    End Sub
End Class
```

```vb
Public Class form_cekin

    Dim cek_in As String
    Dim namax As String
    Dim no_kendaraan As String
    Dim id_lokasi As String
    Dim sisa As Integer
    Dim nama_lokasi As String
    Private Sub cekin_Load(sender As Object, e As EventArgs) Handles
MyBase.Load
        bukaDB()
        isiGrid()
        Panel1.Visible = False
        id_pengguna_txt.Focus()
    End Sub
    Sub isiGrid()
        Dim da1 As New Odbc.OdbcDataAdapter("select*from t_lokasi", konek)
        Dim dt As New DataTable
        da1.Fill(dt)
        DGV.DataSource = dt
    End Sub
    Private Sub id_pengguna_txt_KeyDown(sender As Object, e As
KeyEventArgs) Handles id_pengguna_txt.KeyDown
        If e.KeyCode = Keys.Enter Then
            cek_in = Format(Now, "yyyy-MM-dd h:m:s")
            MsgBox(cek_in)

            'proses cek siswa ada atau tidak
            Dim CMD As New Odbc.OdbcCommand
            CMD.Connection = konek
            CMD.CommandType = CommandType.Text
            CMD.CommandText = "select * from t_pengguna where
id_pengguna='" & id_pengguna_txt.Text & "' and status ='A'"
            DR = CMD.ExecuteReader
            If DR.HasRows = True Then
                MsgBox("data ada")

                While DR.Read
                    namax = DR(1)
                    no_kendaraan = DR(6)
                End While
                konek.Close()
                bukaDB()
                CMD.Connection = konek
                CMD.CommandType = CommandType.Text
                CMD.CommandText = "select * from t_parkir where
status_parkir='IN' and id_pengguna='" & id_pengguna_txt.Text & "'"
                DR1 = CMD.ExecuteReader()
                If DR1.HasRows Then
                    MsgBox("anda sudah parkir")
                Else
                    'proses parkir
                    '1 cek tempat parkir
                    konek.Close()
                    bukaDB()
                    CMD.Connection = konek
                    CMD.CommandText = "select * from t_lokasi where
status='A' and sisa > 0 order by prioritas desc"
                    DR2 = CMD.ExecuteReader()
```

```vbnet
                        If DR2.HasRows = True Then
                            While DR2.Read
                                id_lokasi = DR2(0)
                                sisa = DR2(4)
                                nama_lokasi = DR2(1)
                            End While
                            MsgBox("simpan ke parkir")
                            konek.Close()
                            bukaDB()
                            CMD.Connection = konek
                            CMD.CommandText = "insert into
t_parkir(id_pengguna,chek_in,id_lokasi,user_in) values ('" &
id_pengguna_txt.Text & "', '" & cek_in & "', '" & id_lokasi & "', '2')"
                            CMD.ExecuteNonQuery()
                            CMD.CommandText = "update t_lokasi set sisa=" &
sisa - 1 & " where id_lokasi='" & id_lokasi & "'"
                            CMD.ExecuteNonQuery()
                            'proses tampil panel
                            Panel1.Visible = True
                            TextBox2.Text = namax
                            TextBox3.Text = no_kendaraan
                            Label1.Text = nama_lokasi
                        Else
                            MsgBox("parkir penuh")
                        End If
                    End If
                    'proses parkir
                Else
                    MsgBox("data tidak ada")
                    Panel1.Visible = False
                End If
                isiGrid()
                id_pengguna_txt.Text = ""
                id_pengguna_txt.Focus()
            End If
    End Sub
    Private Sub id_pengguna_txt_TextChanged(sender As Object, e As
EventArgs) Handles id_pengguna_txt.TextChanged
        id_pengguna_txt.Focus()
    End Sub

    Private Sub btnMinimize_Click(sender As Object, e As EventArgs) Handles
btnMinimize.Click
        Me.WindowState = FormWindowState.Minimized
    End Sub

    Private Sub btnClose_Click(sender As Object, e As EventArgs) Handles
btnClose.Click
        Me.Close()
    End Sub
End Class

Public Class form_cekout
    Dim nama As String
    Dim no_kendaraan As String
    Dim sisa As Integer
    Dim CMD As New Odbc.OdbcCommand
    Dim id_user = 1
    Dim id_lokasi As String
```

```vb
    Dim id_parkir As String
    'Dim sisa As Integer
    Private Sub Form6_Load(sender As Object, e As EventArgs) Handles
MyBase.Load
        bukaDB()
        isigrid()
    End Sub
    Sub isigrid()
        Dim da1 As New Odbc.OdbcDataAdapter("select * from t_lokasi",
konek)
        Dim dt As New DataTable
        da1.Fill(dt)
        dgv1.datasource = dt
    End Sub
    Private Sub id_pengguna_txt_KeyDown(sender As Object, e As
KeyEventArgs) Handles id_pengguna_txt.KeyDown
        If e.KeyCode = Keys.Enter Then
            Dim tanggal = Format(Now, "yyyy-MM-dd  h:m:s")
            'cek parkir belum
            konek.Close()
            bukaDB()
            CMD.Connection = konek
            CMD.CommandType = CommandType.Text
            CMD.CommandText = "select
id_parkir,id_pengguna,chek_in,id_lokasi from t_parkir where id_pengguna='"
& id_pengguna_txt.Text & "' and status_parkir='IN'"
            DR = CMD.ExecuteReader
            If DR.HasRows = True Then
                'proses keluar
                While DR.Read
                    id_lokasi = DR(3)
                    id_parkir = DR(0)
                End While
                konek.Close()
                bukaDB()
                CMD.Connection = konek
                CMD.CommandType = CommandType.Text
                CMD.CommandText = "select * from t_pengguna where
id_pengguna='" & id_pengguna_txt.Text & "'"
                DR1 = CMD.ExecuteReader
                While DR1.Read
                    nama = DR1(1)
                    no_kendaraan = DR1(6)
                End While
                Panel1.Visible = True
                TextBox1.Text = nama
                TextBox2.Text = no_kendaraan

                'update parkir
                konek.Close()
                bukaDB()
                CMD.Connection = konek
                CMD.CommandType = CommandType.Text
                CMD.CommandText = "update t_parkir set chek_out='" &
tanggal & "' , status_parkir='OUT',user_out='" & id_user & "' where
id_parkir='" & id_parkir & "'"
                CMD.ExecuteNonQuery()
                'update sisa
```

```vb
                CMD.CommandText = "select sisa from t_lokasi where
id_lokasi ='" & id_lokasi & "'"
                Dim sisa = CMD.ExecuteScalar
                CMD.CommandText = "update t_lokasi set sisa=" & sisa + 1 &
" where id_lokasi ='" & id_lokasi & "'"
                CMD.ExecuteNonQuery()
            Else
                MsgBox("belumparkir")
                Panel1.Visible = False
            End If
            isigrid()
            id_pengguna_txt.Text = ""
            id_pengguna_txt.Focus()
        End If
    End Sub
    Private Sub btnMinimize_Click(sender As Object, e As EventArgs) Handles
btnMinimize.Click
        Me.WindowState = FormWindowState.Minimized
    End Sub
    Private Sub btnClose_Click(sender As Object, e As EventArgs) Handles
btnClose.Click
        Me.Close()
    End Sub
End Class

Public Class form_edit

    Private Sub form_edit_Load(sender As Object, e As EventArgs) Handles
MyBase.Load
        bukaDB()
        isigrid()
    End Sub
    Sub isigrid()
        Dim da1 As New Odbc.OdbcDataAdapter("select * from t_pengguna",
konek)
        Dim dt As New DataTable
        da1.Fill(dt)
        DGV.DataSource = dt
    End Sub
    Sub bersih()
        txt_id_pengguna.Text = ""
        txt_nama.Text = ""
        txt_status_pengguna.Text = ""
        txt_alamat.Text = ""
        txt_telpon.Text = ""
        txt_no_kendaraan.Text = ""
        txt_id_pengguna.Focus()
    End Sub
    Private Sub btn_edit_Click(sender As Object, e As EventArgs) Handles
btn_edit.Click
        Dim cmd As New Odbc.OdbcCommand
        cmd.Connection = konek
        cmd.CommandType = CommandType.Text
        cmd.CommandText = "update t_pengguna set nama='" & txt_nama.Text &
"', status_pengguna='" & txt_status_pengguna.Text & "', alamat='" &
txt_alamat.Text & "', telpon='" & txt_telpon.Text & "', no_kendaraan='" &
txt_no_kendaraan.Text & "' where id_pengguna='" & txt_id_pengguna.Text &
"'"
        cmd.ExecuteNonQuery()
```

```vbnet
        bersih()
        isigrid()
    End Sub
    Private Sub btn_hapus_Click(sender As Object, e As EventArgs) Handles
btn_hapus.Click
        Dim cmd As New Odbc.OdbcCommand
        Dim pesan As Integer
        pesan = MsgBox("Apakah data ingin dihapus ?", vbYesNo, "perhatian")
        If pesan = 6 Then
            cmd.Connection = konek
            cmd.CommandType = CommandType.Text
            cmd.CommandText = "delete from t_pengguna where id_pengguna= '"
& txt_id_pengguna.Text & "'"
            cmd.ExecuteNonQuery()
            bersih()
        End If
        isigrid()
    End Sub
    Private Sub DGV_CellClick(sender As Object, e As
DataGridViewCellEventArgs) Handles DGV.CellClick
        Dim baris = e.RowIndex
        txt_id_pengguna.Text = DGV.Rows(baris).Cells(0).Value
        txt_nama.Text = DGV.Rows(baris).Cells(1).Value
        txt_status_pengguna.Text = DGV.Rows(baris).Cells(3).Value
        txt_alamat.Text = DGV.Rows(baris).Cells(4).Value
        txt_telpon.Text = DGV.Rows(baris).Cells(5).Value
        txt_no_kendaraan.Text = DGV.Rows(baris).Cells(6).Value
    End Sub
    Private Sub btnCekin_Click(sender As Object, e As EventArgs) Handles
btnCekin.Click
        form_cekin.Show()
        'Me.close()
    End Sub
    Private Sub btnCekout_Click(sender As Object, e As EventArgs) Handles
btnCekout.Click
        form_cekout.Show()
        'Me.close()
    End Sub
    Private Sub btnSetting_Click(sender As Object, e As EventArgs) Handles
btnSetting.Click
        form_setting.Show()
        Me.close()
    End Sub
    Private Sub btnInput_Click(sender As Object, e As EventArgs) Handles
btnInput.Click
        form_input.Show()
        Me.close()
    End Sub
    Private Sub btnLaporan_Click(sender As Object, e As EventArgs) Handles
btnLaporan.Click
        form_laporan.Show()
        Me.close()
    End Sub
    Private Sub txt_id_pengguna_Click(sender As Object, e As EventArgs)
Handles txt_id_pengguna.Click
        Label_ip.Visible = True
    End Sub
    Private Sub txt_id_pengguna_Leave(sender As Object, e As EventArgs)
Handles txt_id_pengguna.Leave
```

```vb
            Label_ip.Visible = False
        End Sub
        Private Sub txt_status_pengguna_Click(sender As Object, e As EventArgs)
Handles txt_status_pengguna.Click
            Label_speng.Visible = True
        End Sub
        Private Sub txt_status_pengguna_Leave(sender As Object, e As EventArgs)
Handles txt_status_pengguna.Leave
            Label_speng.Visible = False
        End Sub
        Private Sub btnClose_Click(sender As Object, e As EventArgs) Handles
btnClose.Click
            End
        End Sub
        Private Sub btnMinimize_Click(sender As Object, e As EventArgs) Handles
btnMinimize.Click
            Me.WindowState = FormWindowState.Minimized
        End Sub

End Class

Public Class form_input

    Private Sub form_input_Load(sender As Object, e As EventArgs) Handles
MyBase.Load
        bukaDB()
        isigrid()
    End Sub
    Sub isigrid()
        Dim da1 As New Odbc.OdbcDataAdapter("select*from t_pengguna",
konek)
        Dim dt As New DataTable
        da1.Fill(dt)
        DGV.DataSource = dt
    End Sub
    Private Sub Btn_simpan_Click(sender As Object, e As EventArgs) Handles
Btn_simpan.Click
        Dim cmd As New Odbc.OdbcCommand
        cmd.Connection = konek
        cmd.CommandType = CommandType.Text
        cmd.CommandText = "insert into t_pengguna
(id_pengguna,nama,status_pengguna,alamat,telpon,no_kendaraan) values ('" &
txt_id_pengguna.Text & "', '" & txt_nama.Text & "', '" &
txt_status_pengguna.Text & "', '" & txt_alamat.Text & "', '" &
txt_telpon.Text & "','" & txt_no_kendaraan.Text & "')"
        cmd.ExecuteReader()
        bersih()
        isigrid()
    End Sub
    Sub bersih()
        txt_id_pengguna.Text = ""
        txt_nama.Text = ""
        txt_status_pengguna.Text = ""
        txt_alamat.Text = ""
        txt_telpon.Text = ""
        txt_no_kendaraan.Text = ""
        txt_id_pengguna.Focus()
    End Sub
```

```vb
    Private Sub txt_id_pengguna_Click(sender As Object, e As EventArgs)
Handles txt_id_pengguna.Click
        Label1.Visible = True
    End Sub
    Private Sub txt_id_pengguna_Leave(sender As Object, e As EventArgs)
Handles txt_id_pengguna.Leave
        Label1.Visible = False
    End Sub
    Private Sub btnCekout_Click(sender As Object, e As EventArgs) Handles
btnCekout.Click
        form_cekout.Show()
    End Sub
    Private Sub btnSetting_Click(sender As Object, e As EventArgs) Handles
btnSetting.Click
        form_setting.Show()
    End Sub
    Private Sub btnEdit_Click(sender As Object, e As EventArgs) Handles
btnEdit.Click
        form_edit.Show()
        Me.Close()
    End Sub
    Private Sub btnLaporan_Click(sender As Object, e As EventArgs) Handles
btnLaporan.Click
        form_laporan.Show()
        Me.Close()
    End Sub
    Private Sub btnCekin_Click(sender As Object, e As EventArgs) Handles
btnCekin.Click
        form_cekin.Show()
    End Sub
    Private Sub txt_status_pengguna_Click(sender As Object, e As EventArgs)
Handles txt_status_pengguna.Click
        Label_speng.Visible = True
    End Sub
    Private Sub txt_status_pengguna_Leave(sender As Object, e As EventArgs)
Handles txt_status_pengguna.Leave
        Label_speng.Visible = False
    End Sub
    Private Sub btnClose_Click(sender As Object, e As EventArgs) Handles
btnClose.Click
        End
    End Sub
    Private Sub btnMinimize_Click(sender As Object, e As EventArgs) Handles
btnMinimize.Click
        Me.WindowState = FormWindowState.Minimized
    End Sub
End Class

Public Class form_setting

    Private Sub form_setting_Load(sender As Object, e As EventArgs) Handles
MyBase.Load
        bukaDB()
        isigrid()
    End Sub
    Sub isigrid()
        Dim da1 As New Odbc.OdbcDataAdapter("select*from t_lokasi", konek)
        Dim dt As New DataTable
        da1.Fill(dt)
```

```vbnet
        DGV.DataSource = dt
    End Sub
    Private Sub simpan_Click(sender As Object, e As EventArgs) Handles
simpan.Click
        Dim cmd As New Odbc.OdbcCommand
        cmd.Connection = konek
        cmd.CommandType = CommandType.Text
        cmd.CommandText = "update t_lokasi set nama_lokasi='" &
txt_nama_lokasi.Text & "', maksimal='" & txt_maksimal.Text & "',
prioritas='" & txt_prioritas.Text & "', sisa='" & txt_sisa.Text & "' where
id_lokasi='" & txt_id_lokasi.Text & "'"
        cmd.ExecuteNonQuery()
        isigrid()
    End Sub
    Private Sub DGV_CellClick(sender As Object, e As
DataGridViewCellEventArgs) Handles DGV.CellClick
        Dim baris = e.RowIndex
        txt_id_lokasi.Text = DGV.Rows(baris).Cells(0).Value
        txt_nama_lokasi.Text = DGV.Rows(baris).Cells(1).Value
        txt_maksimal.Text = DGV.Rows(baris).Cells(2).Value
        txt_prioritas.Text = DGV.Rows(baris).Cells(3).Value
        txt_sisa.Text = DGV.Rows(baris).Cells(4).Value
    End Sub
    Private Sub btnCekout_Click(sender As Object, e As EventArgs) Handles
btnCekout.Click
        form_cekout.Show()
    End Sub
    Private Sub btnInput_Click(sender As Object, e As EventArgs) Handles
btnInput.Click
        form_input.Show()
        Me.close()
    End Sub
    Private Sub btnEdit_Click(sender As Object, e As EventArgs) Handles
btnEdit.Click
        form_edit.Show()
    End Sub
    Private Sub btnLaporan_Click(sender As Object, e As EventArgs) Handles
btnLaporan.Click
        form_laporan.Show()
        Me.close()
    End Sub
    Private Sub btnCekin_Click(sender As Object, e As EventArgs) Handles
btnCekin.Click
        form_cekin.Show()
    End Sub
    Private Sub btnClose_Click(sender As Object, e As EventArgs) Handles
btnClose.Click
        End
    End Sub
    Private Sub btnMinimize_Click(sender As Object, e As EventArgs) Handles
btnMinimize.Click
        Me.WindowState = FormWindowState.Minimized
    End Sub
    Private Sub Panel1_Paint(sender As Object, e As PaintEventArgs) Handles
Panel1.Paint
    End Sub

End Class
```