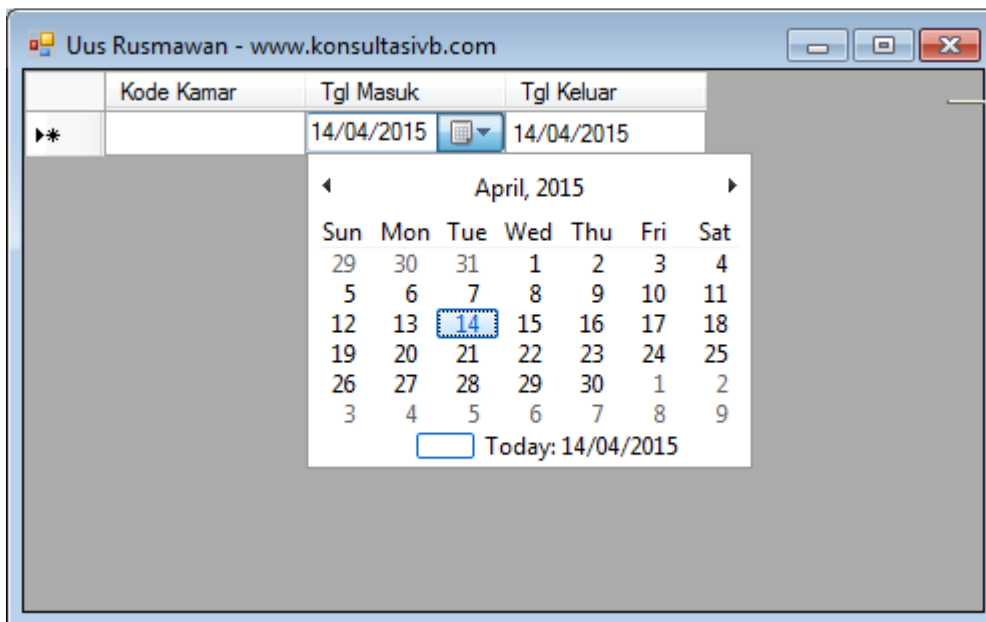


### Cara Menampilkan Kalender Dalam DataGridView - VB.Net

Seringkali kita membutuhkan data tanggal sejenis datetimestepicker dalam sebuah datagridview. Untuk itu marilah kita coba membuatnya dengan langkah-langkah sebagai berikut :

1. Buatlah sebuah project baru
2. Buatlah sebuah form dan tambahkan sebuah datagridview



3. Lalu ketiklah atau copy coding di bawah ini :

```
Imports System.Data.OleDb
Imports System
Imports System.Windows.Forms

Public Class Form1

    Sub KolomBaru()
        Dim ColumnName1, ColumnName2 As New CalendarColumn()
        DGV.Columns.Add("KodeKamar", "Kode Kamar")
        ColumnName1.HeaderText = "Tgl Masuk"
        DGV.Columns.Add(ColumnName1)
        ColumnName2.HeaderText = "Tgl Keluar"
        DGV.Columns.Add(ColumnName2)
    End Sub

End Class
```

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```
Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
    Call KolomBaru()
End Sub

Public Class CalendarColumn
    Inherits DataGridViewColumn

    Public Sub New()
        MyBase.New(New CalendarCell())
    End Sub

    Public Overrides Property CellTemplate() As DataGridViewCell
    Get
        Return MyBase.CellTemplate
    End Get
    Set(ByVal value As DataGridViewCell)
        If (value IsNot Nothing) AndAlso Not
value.GetType().IsAssignableFrom(GetType(CalendarCell)) Then
            Throw New InvalidCastException("Must be a
CalendarCell")
        End If
        MyBase.CellTemplate = value
    End Set
    End Property
End Class

Public Class CalendarCell
    Inherits DataGridViewTextBoxCell

    Public Sub New()
        Me.Style.Format = "d"
    End Sub

    Public Overrides Sub InitializeEditingControl(ByVal rowIndex
As Integer, ByVal initialFormattedValue As Object, ByVal
dataGridViewCellStyle As DataGridViewCellStyle)
        On Error Resume Next
        MyBase.InitializeEditingControl(rowIndex,
initialFormattedValue, dataGridViewCellStyle)
        Dim ctl As CalendarEditingControl =
CType(DataGridView.EditingControl, CalendarEditingControl)
        If (Me.Value Is Nothing) Then
            ctl.Value = CType(Me.DefaultNewRowValue, DateTime)
        Else
            ctl.Value = CType(Me.Value, DateTime)
        End If
    End Sub
End Class
```

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```
End Sub

Public Overrides ReadOnly Property EditType() As Type
    Get
        Return GetType(CalendarEditingControl)
    End Get
End Property

Public Overrides ReadOnly Property ValueType() As Type
    Get
        Return GetType(DateTime)
    End Get
End Property

Public Overrides ReadOnly Property DefaultNewRowValue() As
Object
    Get
        Return DateTime.Now
    End Get
End Property
End Class

Public Class CalendarEditingControl
    Inherits DateTimePicker
    Implements IDataGridViewEditingControl

    Private dataGridViewControl As DataGridView
    Private valueIsChanged As Boolean = False
    Private rowIndexNum As Integer

    Public Sub New()
        Me.Format = DateTimePickerFormat.Short
    End Sub

    Public Property EditingControlFormattedValue() As Object
    Implements IDataGridViewEditingControl.EditingControlFormattedValue
    Get
        Return Me.Value.ToShortDateString()
    End Get
    Set(ByVal value As Object)
        Try
            Me.Value = DateTime.Parse(CStr(value))
        Catch
            Me.Value = DateTime.Now
        End Try
    End Set
End Property
```

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```
Public Function GetEditingControlFormattedValue(ByVal context
As DataGridViewDataErrorContexts) As Object _
    Implements
    IDataGridViewEditingControl.GetEditingControlFormattedValue
    Return Me.Value.ToShortDateString()
End Function

Public Sub ApplyCellStyleToEditingControl(ByVal
dataGridViewCellStyle As DataGridViewCellStyle) Implements
IDataGridViewEditingControl.ApplyCellStyleToEditingControl
    Me.Font = dataGridViewCellStyle.Font
    Me.CalendarForeColor = dataGridViewCellStyle.ForeColor
    Me.CalendarMonthBackground =
dataGridViewCellStyle.BackColor
End Sub

Public Property EditingControlRowIndex() As Integer Implements
IDataGridViewEditingControl.EditingControlRowIndex
    Get
        Return rowIndexNum
    End Get
    Set(ByVal value As Integer)
        rowIndexNum = value
    End Set
End Property

Public Function EditingControlWantsInputKey(ByVal key As Keys,
ByVal dataGridViewWantsInputKey As Boolean) As Boolean Implements
IDataGridViewEditingControl.EditingControlWantsInputKey
    Select Case key And Keys.KeyCode
        Case Keys.Left, Keys.Up, Keys.Down, Keys.Right, _
            Keys.Home, Keys.End, Keys.PageDown, Keys.PageUp
            Return True
        Case Else
            Return Not dataGridViewWantsInputKey
    End Select
End Function

Public Sub PrepareEditingControlForEdit(ByVal selectAll As
Boolean) Implements
IDataGridViewEditingControl.PrepareEditingControlForEdit

End Sub
```

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```
        Public ReadOnly Property
RepositionEditingControlOnValueChange() As Boolean Implements
IDataGridViewEditingControl.RepositionEditingControlOnValueChange
    Get
        Return False
    End Get
End Property

    Public Property EditingControlDataGridView() As DataGridView
Implements IDataGridViewEditingControl.EditingControlDataGridView
    Get
        Return dataGridViewControl
    End Get
    Set(ByVal value As DataGridView)
        dataGridViewControl = value
    End Set
End Property

    Public Property EditingControlValueChanged() As Boolean
Implements IDataGridViewEditingControl.EditingControlValueChanged
    Get
        Return valueIsChanged
    End Get
    Set(ByVal value As Boolean)
        valueIsChanged = value
    End Set
End Property

    Public ReadOnly Property EditingControlCursor() As Cursor
Implements IDataGridViewEditingControl.EditingPanelCursor
    Get
        Return MyBase.Cursor
    End Get
End Property

    Protected Overrides Sub OnValueChanged(ByVal eventargs As
EventArgs)
        valueIsChanged = True
        Me.EditingControlDataGridView.NotifyCurrentCellDirty(True)
        MyBase.OnValueChanged(eventargs)
    End Sub
End Class
End Class
```