

OKVIR: VBA Makro za automatsko numeriranje jednadžbi

```
Public Sub MAIN()  
Dim vfc  
Dim CurrentHeading$  
  
' Zamrzava sliku i pamti trenutno stanje prikaza kodova  
Application.ScreenUpdating = False  
vfc = ActiveWindow.View.ShowFieldCodes  
  
' Primjenjuje stil, umeće tabulatore i oznaku formule  
Selection.Style = "formula"  
Selection.TypeText Text:=Chr(9) + Chr(9) + "("  
  
' Umeće referencu na tekući naslov  
Selection.Fields.Add Range:=Selection.Range, Type:=wdFieldStyleRef, _  
Text:="1 \n"  
ActiveWindow.View.ShowFieldCodes = False  
Selection.MoveLeft Unit:=wdWord, Count:=1, Extend:=wdExtend  
CurrentHeading$ = Selection.Text  
Selection.MoveRight Unit:=wdCharacter, Count:=1, Extend:=wdMove  
Selection.TypeText Text:="."  
  
ActiveDocument.Bookmarks.Add Name:="currentPosition"  
  
' Umeće SEQ polje. Ako je prva jednadžba u nizu, tada resetira brojač na 1  
If EquationBefore(CurrentHeading$) = True Then  
ActiveDocument.Fields.Add Range:=Selection.Range, _  
Type:=wdFieldSequence, Text:="Equation \* ARABIC"  
Else  
ActiveDocument.Fields.Add Range:=Selection.Range, _  
Type:=wdFieldSequence, Text:="Equation \* ARABIC \r 1"  
End If  
Selection.TypeText Text:=")"  
  
' Provjerava ima li jednadžbi iza  
CheckNextEquation (CurrentHeading$)  
  
ActiveDocument.Bookmarks("currentPosition").Delete  
  
' Umeće jednadžbu (editor jednadžbi mora biti instaliran!)  
Selection.HomeKey Unit:=wdLine, Extend:=wdMove  
Selection.MoveRight Unit:=wdCharacter, Count:=1, Extend:=wdMove  
ActiveWindow.View.ShowFieldCodes = vfc  
Application.ScreenUpdating = True  
Selection.InlineShapes.AddOLEObject ClassType:="Equation.3", FileName:="", _  
LinkToFile:=False, DisplayAsIcon:=False  
  
End Sub
```

```
Private Function EquationBefore(CurrHead$)
```

```
ActiveWindow.View.ShowFieldCodes = True
```

```
With Selection.Find
```

```
.ClearFormatting
```

```
.Style = "formula"
```

```
.Execute FindText:="STYLEREF 1 \n", Format:=True, Forward:=False
```

```
If .Found = False Then
```

```

    EquationBefore = False
Else
    ActiveWindow.View.ShowFieldCodes = 0
    Selection.MoveRight Unit:=wdWord, Count:=1, Extend:=wdExtend
    If CurrHead$ = Selection.Text Then
        EquationBefore = True
    Else
        EquationBefore = False
    End If
End If
End With

```

```

Selection.GoTo What:=wdGoToBookmark, Name:="currentPosition"
ActiveWindow.View.ShowFieldCodes = False

```

```

End Function

```

```

Private Sub CheckNextEquation(CurrentHeading$)

```

```

ActiveWindow.View.ShowFieldCodes = True

```

```

With Selection.Find

```

```

    .ClearFormatting

```

```

    .Style = "formula"

```

```

    .Execute FindText:="SEQ Equation \* ARABIC \r 1", Format:=True, _
        Forward:=True

```

```

    If .Found = True Then

```

```

        Selection.MoveLeft Unit:=wdCharacter, Count:=1, Extend:=wdMove

```

```

        Selection.Find.Execute FindText:"STYLEREF 1 \n", Format:=True, _
            Forward:=False

```

```

        ActiveWindow.View.ShowFieldCodes = False

```

```

        Selection.MoveRight Unit:=wdWord, Count:=1, Extend:=wdExtend

```

```

        Selection.Fields.Update

```

```

        If CurrentHeading$ = Selection.Text Then

```

```

            ActiveWindow.View.ShowFieldCodes = True

```

```

            Selection.MoveLeft Unit:=wdCharacter, Count:=1, Extend:=wdMove

```

```

            With Selection.Find

```

```

                .Execute FindText:" \r 1", Forward:=True, Format:=True

```

```

            End With

```

```

            Selection.Delete

```

```

        End If

```

```

    End If

```

```

End With

```

```

ActiveWindow.View.ShowFieldCodes = False

```

```

Selection.GoTo What:=wdGoToBookmark, Name:="currentPosition"

```

```

End Sub

```