TUGAS PENDAHULUAN
KONSTRUKSI PERANGKAT LUNAK
MODUL 12

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S1 REKAYASA PERANGKAT LUNAK

FAKULTAS INFORMATIKA

TELKOM UNIVERSITY PURWOKERTO

Cari tanda bilangan

```
1  public string CariTandaBilangan(int a)
2  {
3      if (a < 0)
4          return "Negatif";
5      else if (a > 0)
6          return "Positif";
7      else
8          return "Nol";
9  }
```

Button tanda

```
1  private void button1_Click(object sender, EventArgs e)
2  {
3      if (int.TryParse(txtinput.Text, out int angka))
4      {
5          lblhasil.Text = "Hasil: " + CariTandaBilangan(angka);
6      }
7      else
8      {
9          lblhasil.Text = "Input tidak valid!";
10     }
11 }
```

Unit testing

```
1   using Microsoft.SqlServer.Server;
2   using Microsoft.VisualStudio.TestTools.UnitTesting;
3   using System;
4   using System.Windows.Forms;
5
6   namespace tpmodul12_2211104011.Tests
7   {
8       [TestClass]
9       public class TandaBilanganTests
10      {
11          Form1 form = new Form1();
12
13          [TestMethod]
14          public void TestNegatif()
15          {
16              Assert.AreEqual("Negatif", form.CariTandaBilangan(-5));
17          }
18
19          [TestMethod]
20          public void TestNol()
21          {
22              Assert.AreEqual("Nol", form.CariTandaBilangan(0));
23          }
24
25          [TestMethod]
26          public void TestPositif()
27          {
28              Assert.AreEqual("Positif", form.CariTandaBilangan(100));
29          }
30      }
31
32  }
```