

Nama : rafie aydin ihsan

Kelas : se-46-04

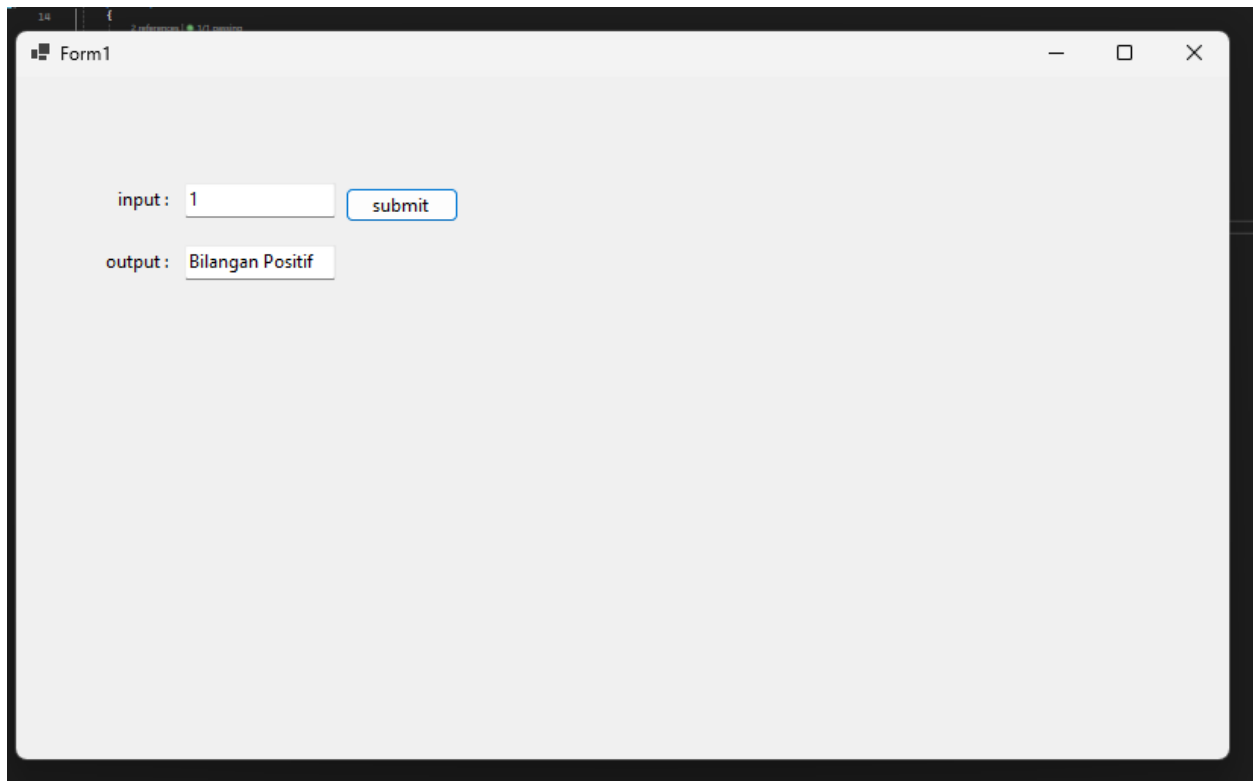
Code input and output bsertar event nya:

```
1 reference
private void btn_submit_Click(object sender, EventArgs e)
{
    output.Text = this.CariTandaBilangan(Convert.ToInt32(input.Text));
}

4 references | 1/1 passing
public string CariTandaBilangan(int a)
{
    if (a == 0)
    {
        return "Bilangan Nol";
    }
    else if (a > 0)
    {
        return "Bilangan Positif";
    }
    else
    {
        return "Bilangan Negatif";
    }
}

1 reference
private void input_TextChanged(object sender, EventArgs e)
```

Tampilan guinya :

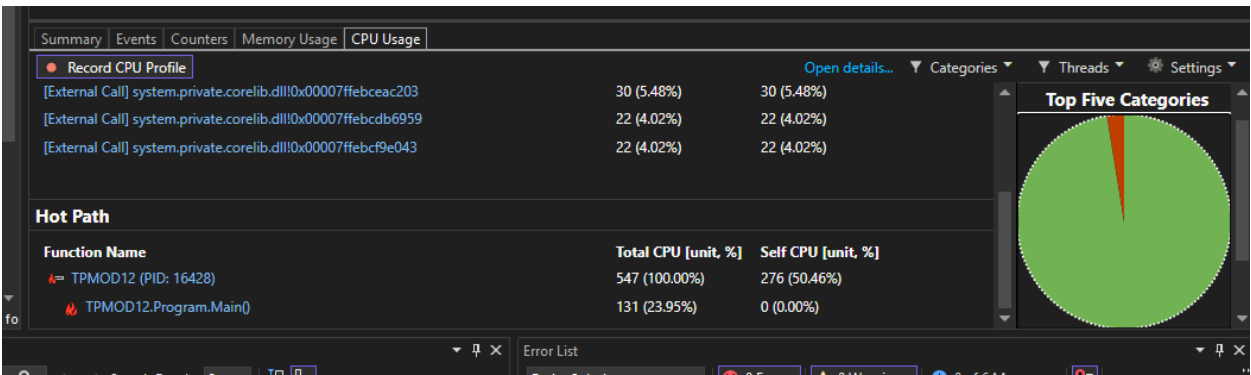
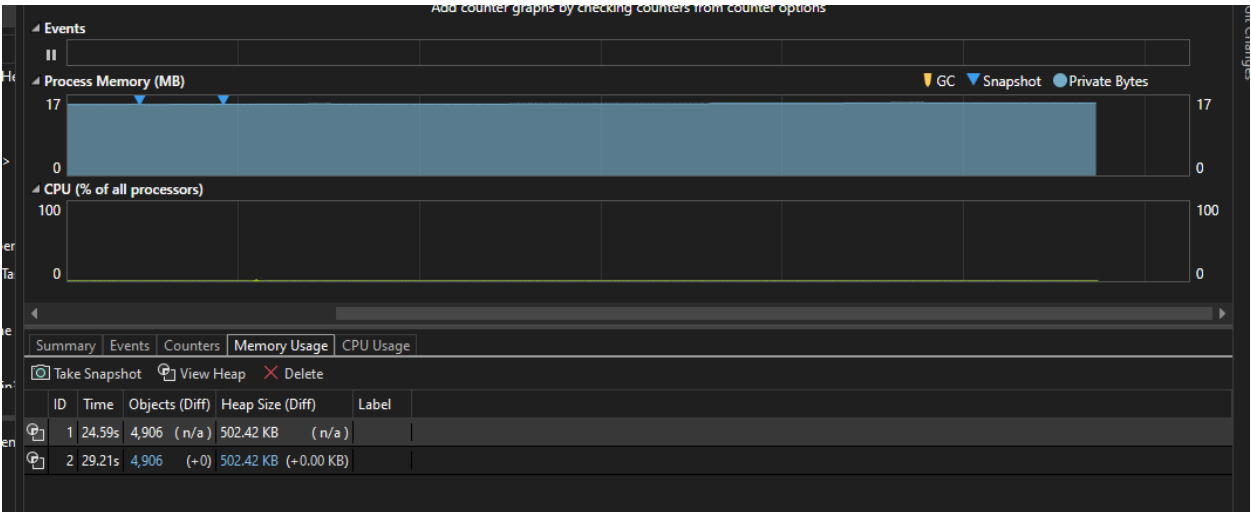


Form1

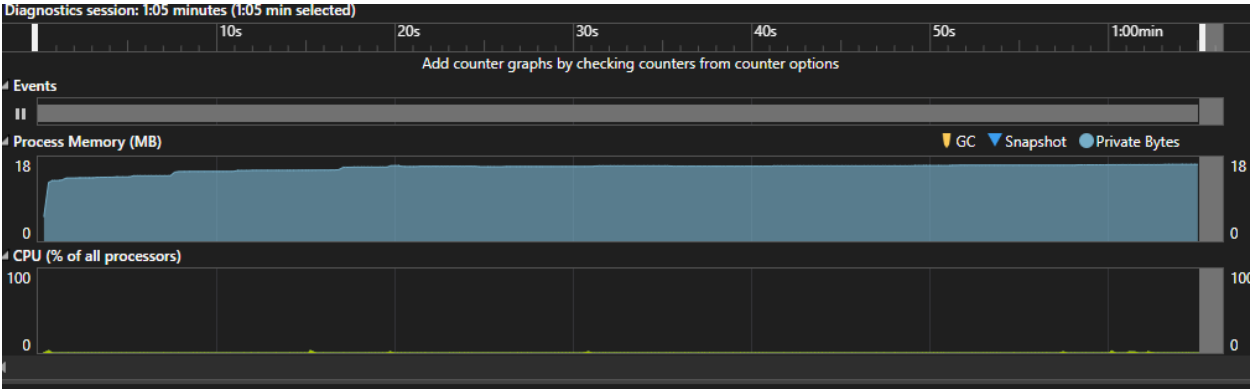
input: 1 submit

output: Bilangan Positif

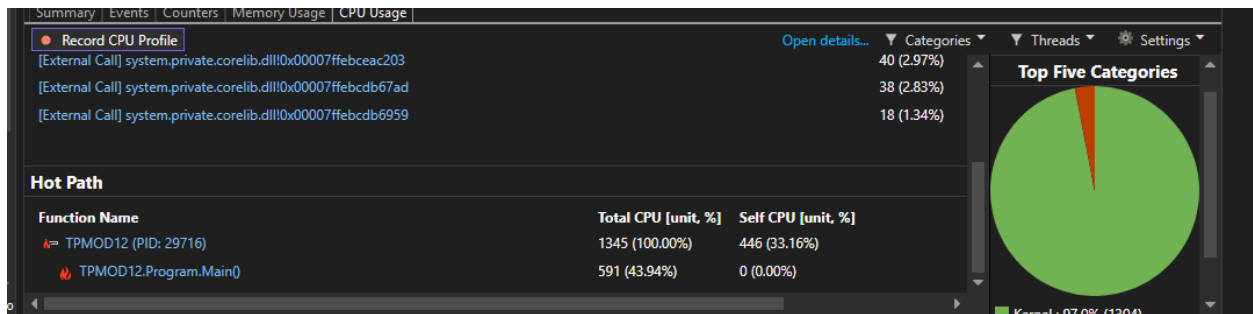
Sebelum input : memori stabil di 17 MB dan cpu stabil



Jika di input berkali2 seperti ini :



Jika di perhatikan untuk memorinya bertambah 1mb dan cpu bertambah tetapi tidak ter detect oleh sistemnya hanya status di hot path sepeerti ini:



Unit testingnya :

```
namespace CariBilanganTest
{
    using TPMOD12;
    [TestClass]
    public class UnitTest1
    {
        [TestMethod]
        public void TestMethod1()
        {
            Form1 form1 = new Form1();
            Assert.AreEqual("Bilangan Positif", form1.CariTandaBilangan(1));
            Assert.AreEqual("Bilangan Negatif", form1.CariTandaBilangan(-1));
            Assert.AreEqual("Bilangan Nol", form1.CariTandaBilangan(0));
        }
    }
}
```

Hasil unit testingnya :

