Jurnal 12

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Link Repo:

https://github.com/fahmihasanasagaf/KPL_2311104074_SE0702/tree/main/12_Performance Analysis Unit Testing dan Debugging

Code form 1.cs

```
Form1.cs 🌣 🗙 Form1.cs [Design]
                                                                       ीई Jurnal12.Form1
                                                                                                                                                        using System;
using System.Windows.Forms;
          namespace Jurnal12
                        InitializeComponent();
                   1 reference
private void ButtonCalculate_Click(object sender, EventArgs e)
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                             int a = int.Parse(textBoxA.Text);
int b = int.Parse(textBoxB.Text);
                             long result = CariNilaiPangkat(a, b);
                             if (result == -1)
                                  labelResult.Text = "Hasil: Error - Pangkat negatif tidak diperbolehkan";
                              else if (result == -2)
                                  labelResult.Text = "Hasil: Error - Input melebihi batas (a > 100 atau b > 10)";
                             else if (result == -3)
                                 labelResult.Text = "Hasil: Error - Hasil melebihi batas integer";
                                  labelResult.Text = $"Hasil: {a}^{b} = {result}";
                             labelResult.Text = "Hasil: Error - Input harus berupa angka";
```

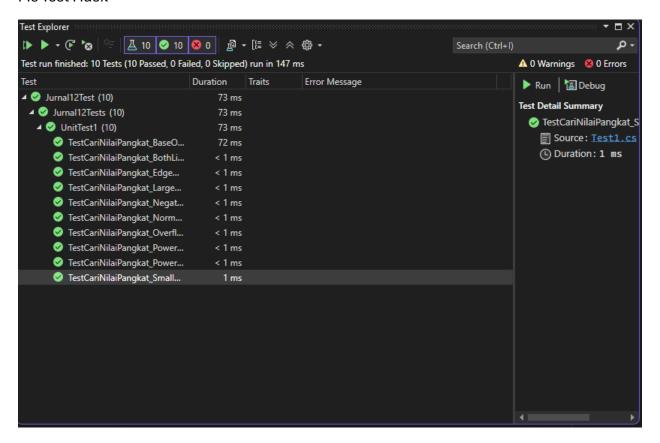
Code Designer1.cs

```
Microsoft.Pack...lution.targets
                                                                               Jurnal12Test
                                                                                                                       Test1.cs
                                                                                                                                                             Form1.Designer.cs + X Form1.cs
Œ Jurnal12
                                                                                               + 🕸 Jurnal12.Form1
                                                                                                                                                                                                namespace Jurnal12
                            5 references
partial class Form1
                                  /// Required designer variable.
/// </summary>
                                 private System.ComponentModel.IContainer components = null;
                                  /// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>
                                 Oreferences
protected override void Dispose(bool disposing)
{
                                        if (disposing && (components != null))
                                             components.Dispose();
                                       base.Dispose(disposing);
                                  #region Windows Form Designer generated code
                                  /// <summary>
/// Required method for Designer support - do not modify
/// the contents of this method with the code editor.
                                  1 reference
private void InitializeComponent()
                                       this.textBoxA = new System.Windows.Forms.TextBox();
this.textBoxB = new System.Windows.Forms.TextBox();
this.buttonCalculate = new System.Windows.Forms.Button();
this.labelResult = new System.Windows.Forms.Label();
this.labelB = new System.Windows.Forms.Label();
this.labelB = new System.Windows.Forms.Label();
this.Suspend.avout();
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                                        this.SuspendLayout();
                                        this.textBoxA.Font = new System.Drawing.Font("Microsoft Sans Serif", 10F, System.Drawing.FontStyle.Regular, System.Drawing.G
                                        this.textBoxA.Location = new System.Drawing.Point(120, 50);
                                        this.textBoxA.Name = "textBoxA";
```

Mstest code

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```

Ms Test Hasil



Output Hitung Pangkat

Jurnal12 - Kalkulator Pangkat -	- 🗆 X
Nilai A (basis):	
Nilai B (pangkat):	
Hitung Pangkat	
Hasil: 2^2 = 4	

Jurnal 12 - Kalkulator Pangkat	-	×
Nilai A (basis):		
Nilai B (pangkat):		
Hitung Pangk	at	
Hasil: 22^4 = 234256		