



**TUGAS PENDAHULUAN**  
**KONSTRUKSI PERANGKAT LUNAK**  
**MODUL 3**

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**OLEH :**

**TIURMA GRACE ANGELINA – 2311104042**

**S1-SE07-02**

**Dosen :**

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**Prodi S1 Rekaya Perangkat Lunak**

**Direktorat Kampus Purwokerto**

## CODE :

### 1. Form1.cs

```
using System;
using System.Windows.Forms;

namespace tpmod3_2311104042
{
    partial class Form1
    {
        private System.ComponentModel.IContainer components = null;

        private Label label1;
        private TextBox textBox1;
        private Button button1;
        private ListBox listBox1;

        protected override void Dispose(bool disposing)
        {
            if (disposing && (components != null))
            {
                components.Dispose();
            }
            base.Dispose(disposing);
        }

        private void InitializeComponent()
        {
            this.label1 = new System.Windows.Forms.Label();
            this.textBox1 = new System.Windows.Forms.TextBox();
            this.button1 = new System.Windows.Forms.Button();
            this.listBox1 = new System.Windows.Forms.ListBox();
            this.SuspendLayout();

            this.label1.AutoSize = true;
            this.label1.Location = new System.Drawing.Point(30, 30);
            this.label1.Name = "label1";
            this.label1.Size = new System.Drawing.Size(115, 17);
            this.label1.TabIndex = 0;
            this.label1.Text = "Masukkan Nama:";

            this.textBox1.Location = new System.Drawing.Point(150, 30);
            this.textBox1.Name = "textBox1";
```

```

this.textBox1.Size = new System.Drawing.Size(200, 22);
this.textBox1.TabIndex = 1;

this.button1.Location = new System.Drawing.Point(150, 70);
this.button1.Name = "button1";
this.button1.Size = new System.Drawing.Size(100, 30);
this.button1.TabIndex = 2;
this.button1.Text = "Kirim";
this.button1.UseVisualStyleBackColor = true;
this.button1.Click += new System.EventHandler(this.button1_Click);

this.listBox1.FormattingEnabled = true;
this.listBox1.ItemHeight = 16;
this.listBox1.Location = new System.Drawing.Point(150, 120);
this.listBox1.Name = "listBox1";
this.listBox1.Size = new System.Drawing.Size(200, 180);
this.listBox1.TabIndex = 3;

this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);
this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;
this.ClientSize = new System.Drawing.Size(400, 350);
this.Controls.Add(this.listBox1);
this.Controls.Add(this.button1);
this.Controls.Add(this.textBox1);
this.Controls.Add(this.label1);
this.Name = "Form1";
this.Text = "Input Nama";
this.ResumeLayout(false);
this.PerformLayout();
}
}
}

```

## 2. Form1.Designer.cs

```

using System;
using System.Windows.Forms;
using static System.Windows.Forms.VisualStyleElement;

namespace tpmod3_2311104042
{
    public partial class Form1 : Form
    {

```

```

public Form1()
{
    InitializeComponent();
}

private void button1_Click(object sender, EventArgs e)
{
    string nama = textBox1.Text;
    string sapaan = "Halo " + nama;

    listBox1.Items.Add(sapaan);

    textBox1.Clear();
}
}
}

```

### 3. Program.cs

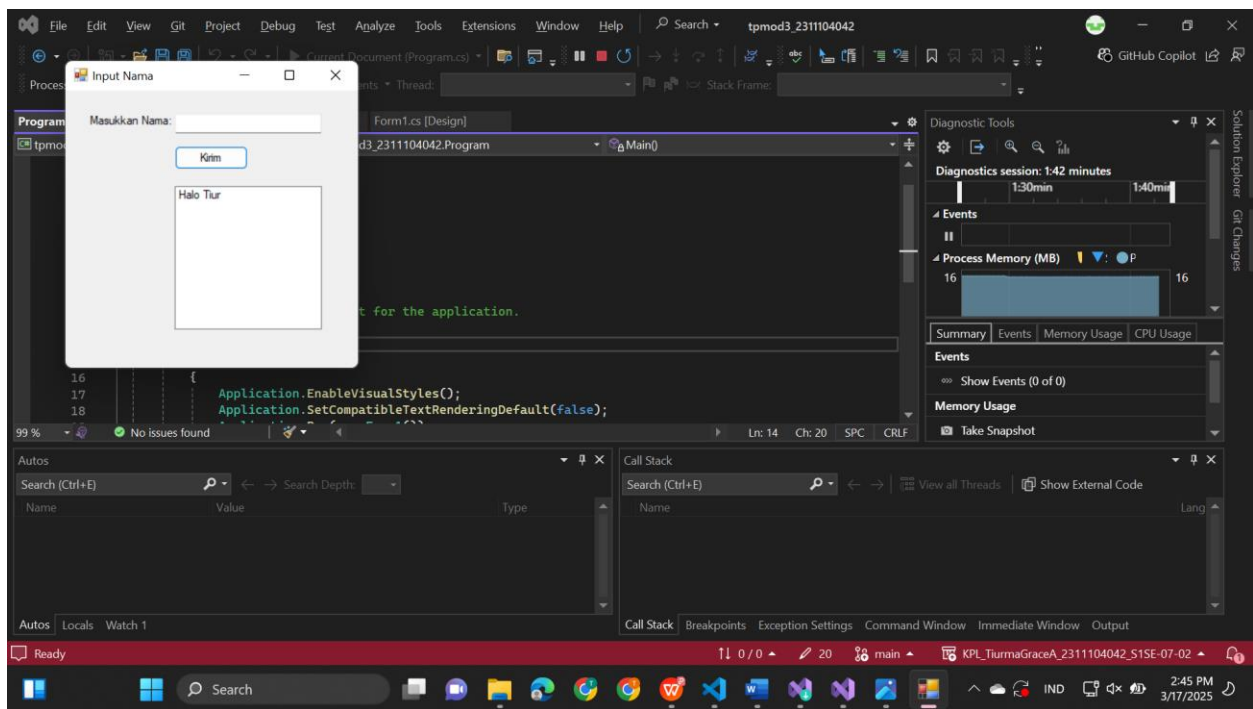
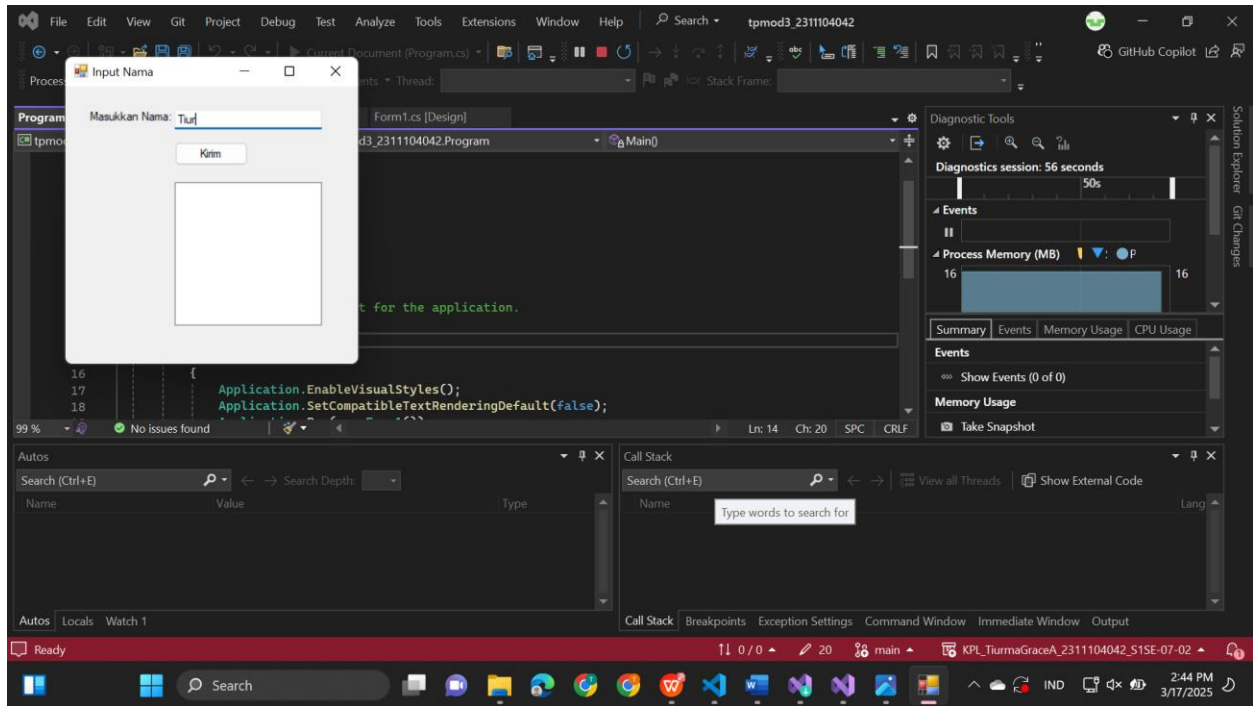
```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace tpmod3_2311104042
{
    static class Program
    {
        /// <summary>
        /// The main entry point for the application.
        /// </summary>
        [STAThread]
        static void Main()
        {
            Application.EnableVisualStyles();
            Application.SetCompatibleTextRenderingDefault(false);
            Application.Run(new Form1());
        }
    }
}

```

OUTPUT :



Commit “tambahan fitur GUI”

```
MINGW64/c:/Users/USER/source/repos/KPL_TiurmaGraceA_2311104042_S1SE-07-02/03_GUI_Builder_dan_Github/tpmod3_2311104042
USER@LAPTOP-U91TP1X8 MINGW64 ~
bash: $'\302\226cd': command not found

USER@LAPTOP-U91TP1X8 MINGW64 ~
$ cd /c:/User/USER/source/repos/KPL_TiurmaGraceA_2311104042_S1SE-07-02/03_GUI_Builder_dan_Github
bash: cd: /c:/User/USER/source/repos/KPL_TiurmaGraceA_2311104042_S1SE-07-02/03_GUI_Builder_dan_Github: No such file or directory

USER@LAPTOP-U91TP1X8 MINGW64 ~
$ cd /c:/Users/USER/source/repos/KPL_TiurmaGraceA_2311104042_S1SE-07-02/03_GUI_Builder_dan_Github
USER@LAPTOP-U91TP1X8 MINGW64 ~/source/repos/KPL_TiurmaGraceA_2311104042_S1SE-07-02/03_GUI_Builder_dan_Github (main)
$ git add .
error: '03_GUI_Builder_dan_Github/tpmod3_2311104042/' does not have a commit checked out
fatal: adding files failed

USER@LAPTOP-U91TP1X8 MINGW64 ~/source/repos/KPL_TiurmaGraceA_2311104042_S1SE-07-02/03_GUI_Builder_dan_Github (main)
$ cd /c:/Users/USER/source/repos/KPL_TiurmaGraceA_2311104042_S1SE-07-02/03_GUI_Builder_dan_Github/tpmod3_2311104042
USER@LAPTOP-U91TP1X8 MINGW64 ~/source/repos/KPL_TiurmaGraceA_2311104042_S1SE-07-02/03_GUI_Builder_dan_Github/tpmod3_2311104042 (master)
$ git add .

USER@LAPTOP-U91TP1X8 MINGW64 ~/source/repos/KPL_TiurmaGraceA_2311104042_S1SE-07-02/03_GUI_Builder_dan_Github/tpmod3_2311104042 (master)
$ git commit -m "tambahan fitur GUI"
[master (root-commit) 1ff02fb] tambahan fitur GUI
33 files changed, 775 insertions(+)
create mode 100644 .vs/tpmod3_2311104042/FileContentIndex/151b9815-fbc9-4ad1-b7ff-95e2f08deea4.vsixdx
create mode 100644 .vs/tpmod3_2311104042/FileContentIndex/2434a126-eeeb-466f-94f0-e173b02551d1.vsixdx
create mode 100644 .vs/tpmod3_2311104042/v17/.suo
create mode 100644 .vs/tpmod3_2311104042/v17/DocumentLayout.backup.json
create mode 100644 .vs/tpmod3_2311104042/v17/DocumentLayout.json
create mode 100644 tpmod3_2311104042.sln
create mode 100644 tpmod3_2311104042/App.config
create mode 100644 tpmod3_2311104042/Form1.Designer.cs
create mode 100644 tpmod3_2311104042/Form1.cs
create mode 100644 tpmod3_2311104042/Form1.resx
create mode 100644 tpmod3_2311104042/Program.cs
```

```
MINGW64/c:/Users/USER/source/repos/KPL_TiurmaGraceA_2311104042_S1SE-07-02/03_GUI_Builder_dan_Github/tpmod3_2311104042
USER@LAPTOP-U91TP1X8 MINGW64 ~/source/repos/KPL_TiurmaGraceA_2311104042_S1SE-07-02/03_GUI_Builder_dan_Github/tpmod3_2311104042 (master)
$ git commit -m "tambahan fitur GUI"
[master (root-commit) 1ff02fb] tambahan fitur GUI
33 files changed, 775 insertions(+)
create mode 100644 .vs/tpmod3_2311104042/FileContentIndex/151b9815-fbc9-4ad1-b7ff-95e2f08deea4.vsixdx
create mode 100644 .vs/tpmod3_2311104042/FileContentIndex/2434a126-eeeb-466f-94f0-e173b02551d1.vsixdx
create mode 100644 .vs/tpmod3_2311104042/v17/.suo
create mode 100644 .vs/tpmod3_2311104042/v17/DocumentLayout.backup.json
create mode 100644 .vs/tpmod3_2311104042/v17/DocumentLayout.json
create mode 100644 tpmod3_2311104042.sln
create mode 100644 tpmod3_2311104042/App.config
create mode 100644 tpmod3_2311104042/Form1.Designer.cs
create mode 100644 tpmod3_2311104042/Form1.cs
create mode 100644 tpmod3_2311104042/Form1.resx
create mode 100644 tpmod3_2311104042/Program.cs
create mode 100644 tpmod3_2311104042/Properties/AssemblyInfo.cs
create mode 100644 tpmod3_2311104042/Properties/Resources.Designer.cs
create mode 100644 tpmod3_2311104042/Properties/Resources.resx
create mode 100644 tpmod3_2311104042/Properties/Settings.Designer.cs
create mode 100644 tpmod3_2311104042/Properties/Settings.settings
create mode 100644 tpmod3_2311104042/bin/Debug/tpmod3_2311104042.exe
create mode 100644 tpmod3_2311104042/bin/Debug/tpmod3_2311104042.exe.config
create mode 100644 tpmod3_2311104042/bin/Debug/tpmod3_2311104042.pdb
create mode 100644 tpmod3_2311104042/obj/Debug/.NETFramework,Version=v4.7.2.AssemblyAttributes.cs
create mode 100644 tpmod3_2311104042/obj/Debug/DesignTimeResolveAssemblyReferences.cache
create mode 100644 tpmod3_2311104042/obj/Debug/DesignTimeResolveAssemblyReferences.Input.cache
create mode 100644 tpmod3_2311104042/obj/Debug/tpmod3_2311104042.Form1.resource
create mode 100644 tpmod3_2311104042/obj/Debug/tpmod3_2311104042.Properties.Resources.resources
create mode 100644 tpmod3_2311104042/obj/Debug/tpmod3_2311104042.csproj.AssemblyReference.cache
create mode 100644 tpmod3_2311104042/obj/Debug/tpmod3_2311104042.csproj.CoreCompileInputs.cache
create mode 100644 tpmod3_2311104042/obj/Debug/tpmod3_2311104042.csproj.FileListAbsolute.txt
create mode 100644 tpmod3_2311104042/obj/Debug/tpmod3_2311104042.csproj.GenerateResource.cache
create mode 100644 tpmod3_2311104042/obj/Debug/tpmod3_2311104042.exe
create mode 100644 tpmod3_2311104042/obj/Debug/tpmod3_2311104042.pdb
create mode 100644 tpmod3_2311104042/obj/Release/.NETFramework,Version=v4.7.2.A
```

```
MINGW64/c:/Users/USER/source/repos/KPL_TiurmaGraceA_2311104042_SISE-07-02/03_GUI_Builder_dan_Github/tpmod3_2311104042
create mode 100644 tpmod3_2311104042/obj/Debug/tpmod3_2311104042.csproj.CoreCom
pileInputs.cache
create mode 100644 tpmod3_2311104042/obj/Debug/tpmod3_2311104042.csproj.FileList
Absolute.txt
create mode 100644 tpmod3_2311104042/obj/Debug/tpmod3_2311104042.csproj.Generat
eResource.cache
create mode 100644 tpmod3_2311104042/obj/Debug/tpmod3_2311104042.exe
create mode 100644 tpmod3_2311104042/obj/Debug/tpmod3_2311104042.pdb
create mode 100644 tpmod3_2311104042/obj/Release/.NETFramework,Version=v4.7.2.A
ssemblyAttributes.cs
create mode 100644 tpmod3_2311104042/obj/Release/tpmod3_2311104042.csproj.Assem
blyReference.cache
create mode 100644 tpmod3_2311104042/tpmod3_2311104042.csproj

USER@LAPTOP-U91TPIX$ MINGW64 ~/source/repos/KPL_TiurmaGraceA_2311104042_SISE-07-
02/03_GUI_Builder_dan_Github/tpmod3_2311104042 (master)
$ git push origin main
error: src refspec main does not match any
error: failed to push some refs to 'origin'

USER@LAPTOP-U91TPIX$ MINGW64 ~/source/repos/KPL_TiurmaGraceA_2311104042_SISE-07-
02/03_GUI_Builder_dan_Github/tpmod3_2311104042 (master)
$ git push origin master
error: src refspec master does not match any
error: failed to push some refs to 'origin'

USER@LAPTOP-U91TPIX$ MINGW64 ~/source/repos/KPL_TiurmaGraceA_2311104042_SISE-07-
02/03_GUI_Builder_dan_Github/tpmod3_2311104042 (master)
$ git push -u origin master
fatal: 'origin' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

USER@LAPTOP-U91TPIX$ MINGW64 ~/source/repos/KPL_TiurmaGraceA_2311104042_SISE-07-
02/03_GUI_Builder_dan_Github/tpmod3_2311104042 (master)
$ git push origin master
fatal: 'origin' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

USER@LAPTOP-U91TPIX$ MINGW64 ~/source/repos/KPL_TiurmaGraceA_2311104042_SISE-07-
02/03_GUI_Builder_dan_Github/tpmod3_2311104042 (master)
$ git remote -vv
bash: $'\302\203git': command not found
```

Penjelasan :

## 1. File Form1.cs

- Berisi desain tampilan GUI yang mencakup:
  - **Label** untuk petunjuk input nama.
  - **TextBox** untuk pengguna memasukkan nama.
  - **Button** untuk mengirim data.
  - **ListBox** untuk menampilkan sapaan.

## Komponen yang digunakan:

- Label: Memberikan instruksi kepada pengguna.
- TextBox: Tempat input nama.
- Button: Menjalankan aksi ketika diklik.
- ListBox: Menampilkan hasil sapaan.

## Fungsi Utama:

this.button1.Click += new System.EventHandler(this.button1\_Click);

Saat tombol ditekan, event button1\_Click akan dipanggil untuk menambahkan nama ke ListBox.

## 2. File Form1.Designer.cs

- Berisi logika event ketika tombol ditekan.
- Event button1\_Click digunakan untuk mengambil teks dari TextBox, lalu menambahkan sapaan ke ListBox.

### Kode

```
private void button1_Click(object sender, EventArgs e)
{
    string nama = textBox1.Text;
    string sapaan = "Halo " + nama;

    listBox1.Items.Add(sapaan);

    textBox1.Clear();
}
```

- Mengambil input nama dari textBox1.
- Membuat string sapaan "Halo [Nama]".
- Menambah sapaan ke ListBox.
- Membersihkan TextBox agar siap untuk input berikutnya.

## 3. File Program.cs

- Berfungsi sebagai **entry point** aplikasi.
- Memanggil Form1 untuk ditampilkan sebagai form utama.

### Kode

```
Application.Run(new Form1());
```

Instruksi ini akan menjalankan form utama saat aplikasi dijalankan.



