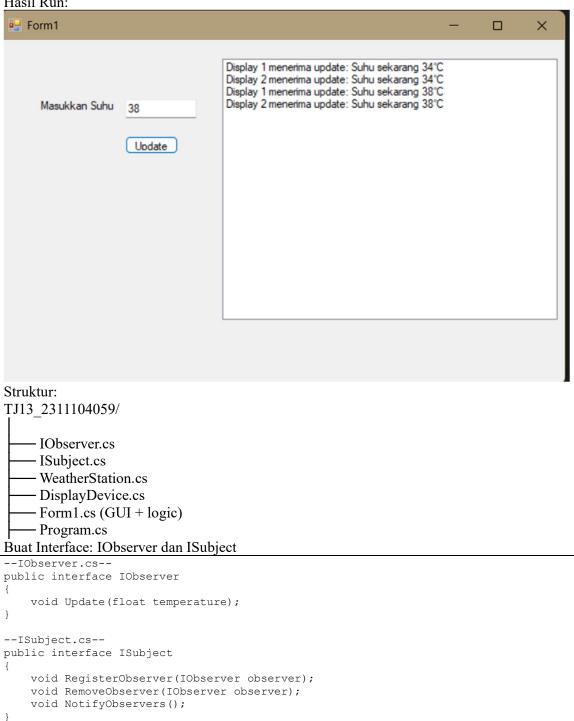
JURNAL MODUL 13

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Hasil Run:



Buat Subject: WeatherStation.cs

```
using System.Collections.Generic;
```

```
public class WeatherStation : ISubject
{
    private List<IObserver> observers = new List<IObserver>();
    private float temperature;

    public void RegisterObserver(IObserver observer)
    {
        observers.Add(observer);
    }

    public void RemoveObserver(IObserver observer)
    {
        observers.Remove(observer);
    }

    public void NotifyObservers()
    {
        foreach (var observer in observers)
        {
            observer.Update(temperature);
        }
    }

    public void SetTemperature(float temp)
    {
        this.temperature = temp;
        NotifyObservers();
    }
}
```

Buat Observer: DisplayDevice.cs

```
using System.Windows.Forms;

public class DisplayDevice : IObserver
{
    private string deviceName;
    private ListBox outputBox;

    public DisplayDevice(string name, ListBox listBox)
    {
        deviceName = name;
        outputBox = listBox;
    }

    public void Update(float temperature)
    {
        outputBox.Items.Add($"{deviceName} menerima update: Suhu sekarang {temperature} °C");
    }
}
```

Kode di Form1.cs

```
display2 = new DisplayDevice("Display 2", listBoxOutput);
    weatherStation.RegisterObserver(display1);
    weatherStation.RegisterObserver(display2);
}

private void btnUpdate_Click(object sender, EventArgs e)
{
    if (float.TryParse(txtSuhu.Text, out float suhu))
        weatherStation.SetTemperature(suhu);
    }
    else
    {
        MessageBox.Show("Masukkan suhu yang valid!", "Error",
MessageBoxButtons.OK, MessageBoxIcon.Error);
    }
}
```