

Putra Strata Tandika Setyawan

2311104050

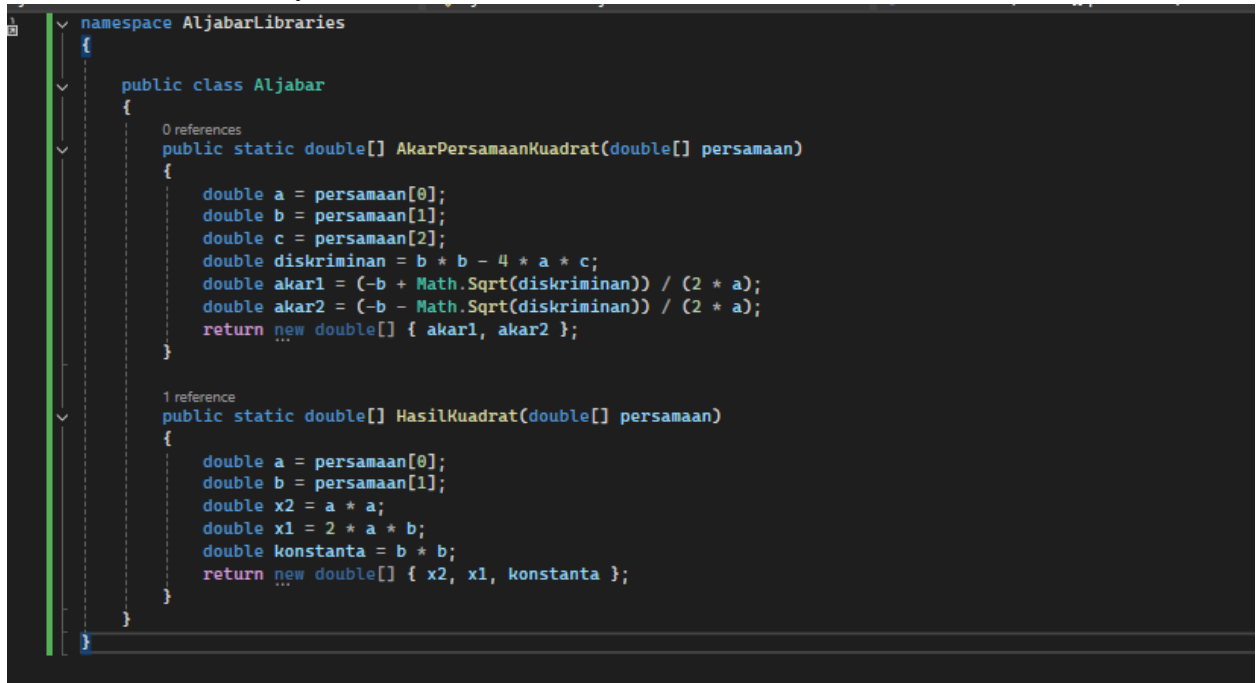
S1Se0702

TP Modul 10

```
Akar: 5, -2
Hasil Kuadrat: 4x^2 + -12x + 9

D:\Setya\Clone\KPL_Putra-Strata-Tandika-Setyawan_2311104050\10_Library_Construction\TP\AljabarLibraries\tpmodul10\bin\De
bug\net8.0\tpmodul10_2311104050.exe (process 2824) exited with code 0 (0x0).
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the conso
le when debugging stops.
Press any key to close this window . . .
```

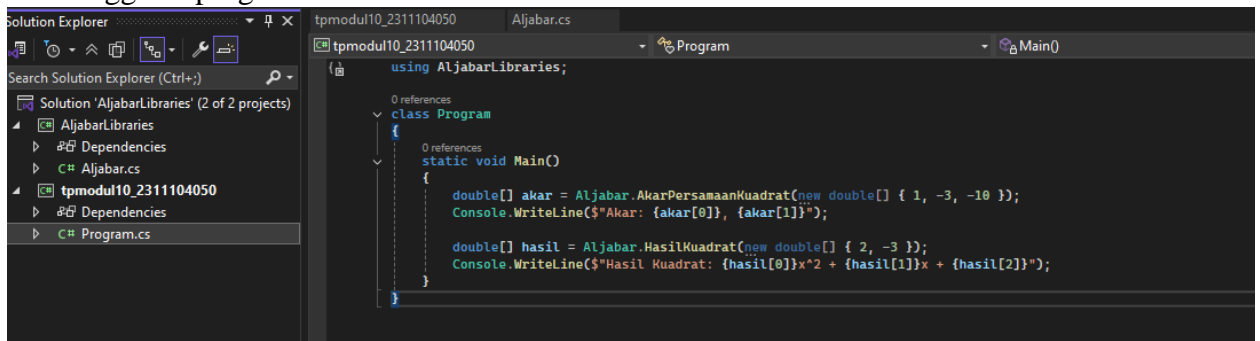
## 1. Membuat Class Library



```
namespace AljabarLibraries
{
    public class Aljabar
    {
        0 references
        public static double[] AkarPersamaanKuadrat(double[] persamaan)
        {
            double a = persamaan[0];
            double b = persamaan[1];
            double c = persamaan[2];
            double diskriminan = b * b - 4 * a * c;
            double akar1 = (-b + Math.Sqrt(diskriminan)) / (2 * a);
            double akar2 = (-b - Math.Sqrt(diskriminan)) / (2 * a);
            return new double[] { akar1, akar2 };
        }

        1 reference
        public static double[] HasilKuadrat(double[] persamaan)
        {
            double a = persamaan[0];
            double b = persamaan[1];
            double x2 = a * a;
            double x1 = 2 * a * b;
            double konstanta = b * b;
            return new double[] { x2, x1, konstanta };
        }
    }
}
```

## 2. Memanggil di program.cs



```
using AljabarLibraries;

class Program
{
    0 references
    static void Main()
    {
        double[] akar = Aljabar.AkarPersamaanKuadrat(new double[] { 1, -3, -10 });
        Console.WriteLine($"Akar: {akar[0]}, {akar[1]}");

        double[] hasil = Aljabar.HasilKuadrat(new double[] { 2, -3 });
        Console.WriteLine($"Hasil Kuadrat: {hasil[0]}x^2 + {hasil[1]}x + {hasil[2]}");
    }
}
```