TP MODUL 5

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```
>>
PS C:\Users\fahmi\source\repos\KPL_2311104074_SE0702\05_Generics\TP5> git checkout -b generic-method
Switched to a new branch 'generic-method'
PS C:\Users\fahmi\source\repos\KPL_2311104074_SE0702\05_Generics\TP5> git add .
>>
>>
PS C:\Users\fahmi\source\repos\KPL_2311104074_SE0702\05_Generics\TP5> git commit -m "Menambahkan class HaloGeneric dengan method SapaUser"
>>
[generic-method fb03a19] Menambahkan class HaloGeneric dengan method SapaUser
 19 files changed, 73 insertions(+), 4 deletions(-)
 create mode 100644 TP5/HaloGeneric.cs
 create mode 100644 TP5/bin/Debug/net8.0/TP5.deps.json
 create mode 100644 TP5/bin/Debug/net8.0/TP5.dll
 create mode 100644 TP5/bin/Debug/net8.0/TP5.exe
 create mode 100644 TP5/bin/Debug/net8.0/TP5.pdb
 create mode 100644 TP5/bin/Debug/net8.0/TP5.runtimeconfig.json
 create mode 100644 TP5/obj/Debug/net8.0/TP5.csproj.BuildWithSkipAnalyzers
 create mode 100644 TP5/obj/Debug/net8.0/TP5.csproj.CoreCompileInputs.cache
 create mode 100644 TP5/obj/Debug/net8.0/TP5.csproj.FileListAbsolute.txt
 create mode 100644 TP5/obj/Debug/net8.0/TP5.dll
 create mode 100644 TP5/obj/Debug/net8.0/TP5.genruntimeconfig.cache
 create mode 100644 TP5/obj/Debug/net8.0/TP5.pdb
 create mode 100644 TP5/obj/Debug/net8.0/TP5.sourcelink.json
 create mode 100644 TP5/obj/Debug/net8.0/apphost.exe
 create mode 100644 TP5/obj/Debug/net8.0/ref/TP5.dll
 create mode 100644 TP5/obj/Debug/net8.0/refint/TP5.dll
PS C:\Users\fahmi\source\repos\KPL_2311104074_SE0702\05_Generics\TP5> git push origin generic-method
```

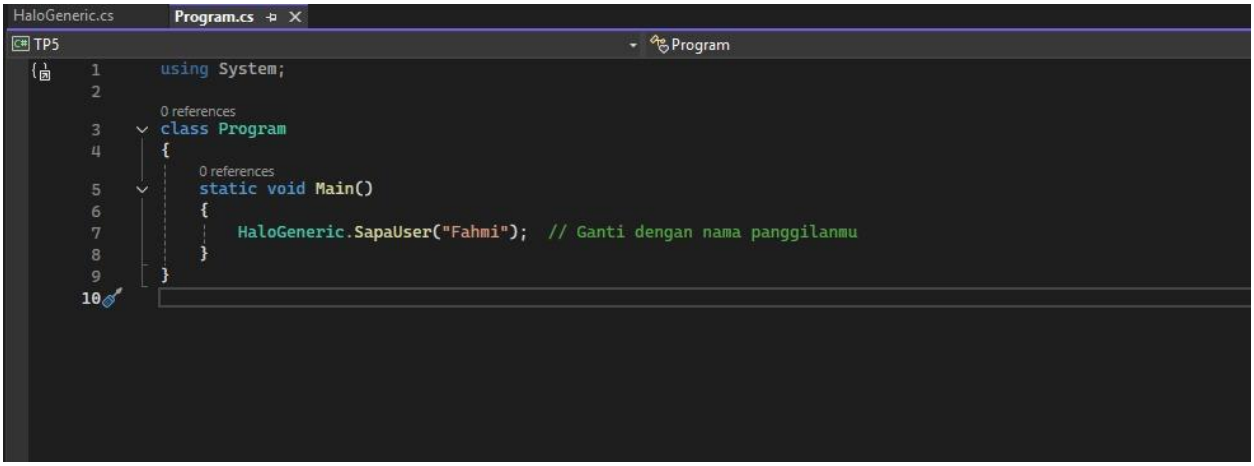
Buat branch generic-method

HaloGeneric.cs | Program.cs

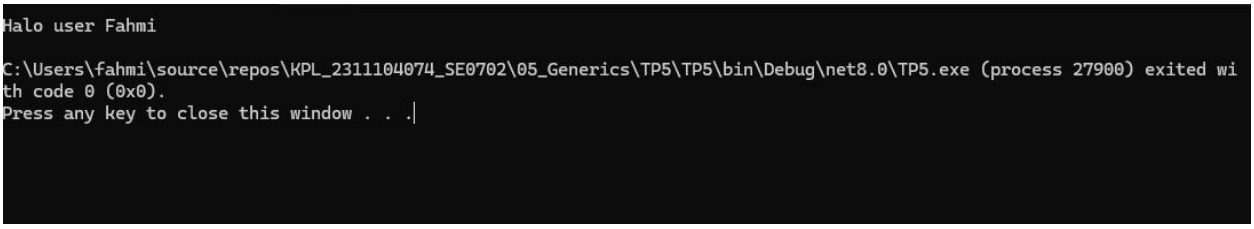
TP5 | HaloGeneric

```
1   using System;
2
    1 reference
3   class HaloGeneric
4   {
        1 reference
5       public static void SapaUser<T>(T user)
6       {
7           Console.WriteLine($"Halo user {user}");
8       }
9   }
10
```

Class HaloGeneric.cs



Program.cs Halo Generic



OUTPUT

Dan push ke git dari branch method

Pindah ke branch main tambah branch generic class

```
 * [new branch]      generic-method -> generic-method                git checkout main
>> C:\Users\fahmi\source\repos\KPL_2311104074_SE0702\05_Generics\TP5>
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
PS C:\Users\fahmi\source\repos\KPL_2311104074_SE0702\05_Generics\TP5> git branch generic-class
>>
PS C:\Users\fahmi\source\repos\KPL_2311104074_SE0702\05_Generics\TP5> git checkout generic-class
>>
M       TP5/obj/Debug/net8.0/TP5.AssemblyInfo.cs
M       TP5/obj/Debug/net8.0/TP5.AssemblyInfoInputs.cache
Switched to branch 'generic-class'
PS C:\Users\fahmi\source\repos\KPL_2311104074_SE0702\05_Generics\TP5>
```

Buat kelas Data Generic

```
using System;

3 references
class DataGeneric<T>
{
    private T data;

    1 reference
    public DataGeneric(T data)
    {
        this.data = data;
    }

    1 reference
    public void PrintData()
    {
        Console.WriteLine($"Data yang tersimpan adalah: {data}");
    }
}
```

Program.cs

```
DataGeneric.cs    Program.cs
TP5                    Program                    Main()
using System;

0 references
class Program
{
    0 references
    static void Main()
    {
        // Menggunakan DataGeneric dengan tipe data String
        DataGeneric<string> dataNIM = new DataGeneric<string>("2311104074");
        dataNIM.PrintData();
    }
}
```

Output

```
Data yang tersimpan adalah: 2311104074

C:\Users\fahmi\source\repos\KPL_2311104074_SE0702\05_Generics\TP5\TP5\bin\Debug\net8.0\TP5.exe (process 21676) exited wi
th code 0 (0x0).
Press any key to close this window . . .
```

Lalu push dari branch generic-class

```
PS C:\Users\fahmi\source\repos\KPL_2311104074_SE0702\05_Generics\TP5> git push origin generic-class
>>
Enumerating objects: 33, done.
Counting objects: 100% (33/33), done.
Delta compression using up to 12 threads
Compressing objects: 100% (20/20), done.
Writing objects: 100% (25/25), 74.14 KiB | 7.41 MiB/s, done.
Total 25 (delta 4), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (4/4), completed with 3 local objects.
remote:
remote: Create a pull request for 'generic-class' on GitHub by visiting:
remote:      https://github.com/fahmihasanasagaf/TP_5KPL_FAHMI/pull/new/generic-class
remote:
To https://github.com/fahmihasanasagaf/TP_5KPL_FAHMI
 * [new branch]      generic-class -> generic-class
PS C:\Users\fahmi\source\repos\KPL_2311104074_SE0702\05_Generics\TP5>
>>
```

Lalu merge branch generic-Method

```
(use "git push" to publish your local commits)
S C:\Users\fahmi\source\repos\KPL_2311104074_SE0702\05_Generics\TP5> git merge generic-method

erge made by the 'ort' strategy.
TP5/HaloGeneric.cs                                |   9 ++++++++
TP5/Program.cs                                    |  11 ++++++++--
TP5/bin/Debug/net8.0/TP5.deps.json                |  23 ++++++++++++++++++++
TP5/bin/Debug/net8.0/TP5.dll                      | Bin 0 -> 5120 bytes
TP5/bin/Debug/net8.0/TP5.exe                      | Bin 0 -> 138752 bytes
TP5/bin/Debug/net8.0/TP5.pdb                      | Bin 0 -> 10884 bytes
TP5/bin/Debug/net8.0/TP5.runtimeconfig.json       |  12 ++++++++++
../Debug/net8.0/TP5.csproj.BuildWithSkipAnalyzers |   0
../net8.0/TP5.csproj.CoreCompileInputs.cache      |   1 +
../Debug/net8.0/TP5.csproj.FileListAbsolute.txt   |  15 ++++++++++++++
TP5/obj/Debug/net8.0/TP5.dll                      | Bin 0 -> 5120 bytes
TP5/obj/Debug/net8.0/TP5.genruntimeconfig.cache   |   1 +
TP5/obj/Debug/net8.0/TP5.pdb                      | Bin 0 -> 10884 bytes
TP5/obj/Debug/net8.0/TP5.sourcelink.json          |   1 +
TP5/obj/Debug/net8.0/apphost.exe                  | Bin 0 -> 138752 bytes
TP5/obj/Debug/net8.0/ref/TP5.dll                  | Bin 0 -> 5632 bytes
TP5/obj/Debug/net8.0/refint/TP5.dll               | Bin 0 -> 5632 bytes
17 files changed, 71 insertions(+), 2 deletions(-)
reate mode 100644 TP5/HaloGeneric.cs
reate mode 100644 TP5/bin/Debug/net8.0/TP5.deps.json
reate mode 100644 TP5/bin/Debug/net8.0/TP5.dll
reate mode 100644 TP5/bin/Debug/net8.0/TP5.exe
reate mode 100644 TP5/bin/Debug/net8.0/TP5.pdb
reate mode 100644 TP5/bin/Debug/net8.0/TP5.runtimeconfig.json
reate mode 100644 TP5/obj/Debug/net8.0/TP5.csproj.BuildWithSkipAnalyzers
reate mode 100644 TP5/obj/Debug/net8.0/TP5.csproj.CoreCompileInputs.cache
reate mode 100644 TP5/obj/Debug/net8.0/TP5.csproj.FileListAbsolute.txt
reate mode 100644 TP5/obj/Debug/net8.0/TP5.dll
reate mode 100644 TP5/obj/Debug/net8.0/TP5.genruntimeconfig.cache
reate mode 100644 TP5/obj/Debug/net8.0/TP5.pdb
reate mode 100644 TP5/obj/Debug/net8.0/TP5.sourcelink.json
reate mode 100644 TP5/obj/Debug/net8.0/apphost.exe
reate mode 100644 TP5/obj/Debug/net8.0/ref/TP5.dll
reate mode 100644 TP5/obj/Debug/net8.0/refint/TP5.dll
S C:\Users\fahmi\source\repos\KPL_2311104074_SE0702\05_Generics\TP5>
```

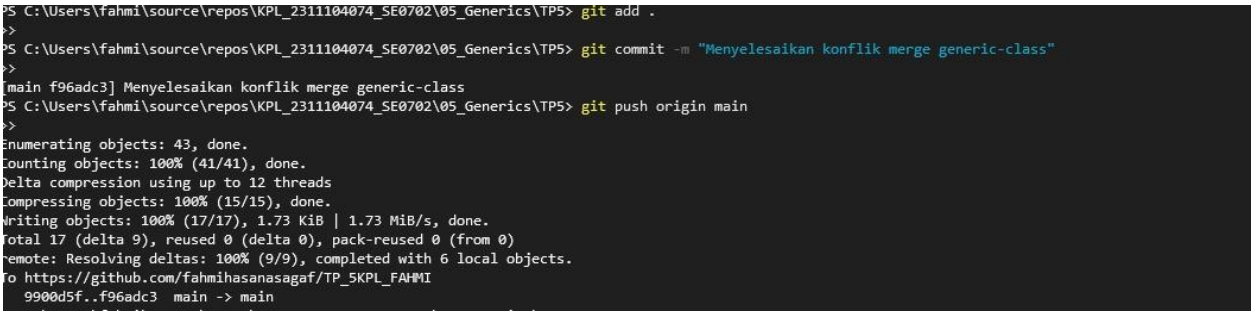
Lanjutkan Merge generic-class dan terjadi konflik

```
PS C:\Users\fahmi\source\repos\KPL_2311104074_SE0702\05_Generics\TP5> git merge generic-class
>>
>>
Auto-merging TP5/Program.cs
CONFLICT (content): Merge conflict in TP5/Program.cs
warning: Cannot merge binary files: TP5/bin/Debug/net8.0/TP5.dll (HEAD vs. generic-class)
Auto-merging TP5/bin/Debug/net8.0/TP5.dll
CONFLICT (add/add): Merge conflict in TP5/bin/Debug/net8.0/TP5.dll
warning: Cannot merge binary files: TP5/bin/Debug/net8.0/TP5.pdb (HEAD vs. generic-class)
Auto-merging TP5/bin/Debug/net8.0/TP5.pdb
CONFLICT (add/add): Merge conflict in TP5/bin/Debug/net8.0/TP5.pdb
Auto-merging TP5/obj/Debug/net8.0/TP5.csproj.CoreCompileInputs.cache
CONFLICT (add/add): Merge conflict in TP5/obj/Debug/net8.0/TP5.csproj.CoreCompileInputs.cache
warning: Cannot merge binary files: TP5/obj/Debug/net8.0/TP5.dll (HEAD vs. generic-class)
Auto-merging TP5/obj/Debug/net8.0/TP5.dll
CONFLICT (add/add): Merge conflict in TP5/obj/Debug/net8.0/TP5.dll
warning: Cannot merge binary files: TP5/obj/Debug/net8.0/TP5.pdb (HEAD vs. generic-class)
Auto-merging TP5/obj/Debug/net8.0/TP5.pdb
CONFLICT (add/add): Merge conflict in TP5/obj/Debug/net8.0/TP5.pdb
warning: Cannot merge binary files: TP5/obj/Debug/net8.0/ref/TP5.dll (HEAD vs. generic-class)
Auto-merging TP5/obj/Debug/net8.0/ref/TP5.dll
CONFLICT (add/add): Merge conflict in TP5/obj/Debug/net8.0/ref/TP5.dll
warning: Cannot merge binary files: TP5/obj/Debug/net8.0/refint/TP5.dll (HEAD vs. generic-class)
Auto-merging TP5/obj/Debug/net8.0/refint/TP5.dll
CONFLICT (add/add): Merge conflict in TP5/obj/Debug/net8.0/refint/TP5.dll
```

Selesaikan conflict

```
utomatic merge failed; fix conflicts and then commit the result.     git rm -r --cached TP5/bin TP5/obj
> C:\Users\fahmi\source\repos\KPL_2311104074_SE0702\05_Generics\TP5>
m 'TP5/bin/Debug/net8.0/TP5.deps.json'
m 'TP5/bin/Debug/net8.0/TP5.dll'
m 'TP5/bin/Debug/net8.0/TP5.dll'
m 'TP5/bin/Debug/net8.0/TP5.exe'
m 'TP5/bin/Debug/net8.0/TP5.pdb'
m 'TP5/bin/Debug/net8.0/TP5.pdb'
m 'TP5/bin/Debug/net8.0/TP5.runtimeconfig.json'
m 'TP5/obj/Debug/net8.0/.NETCoreApp,Version=v8.0.AssemblyAttributes.cs'
m 'TP5/obj/Debug/net8.0/TP5.AssemblyInfo.cs'
m 'TP5/obj/Debug/net8.0/TP5.AssemblyInfoInputs.cache'
m 'TP5/obj/Debug/net8.0/TP5.GeneratedMSBuildEditorConfig.editorconfig'
m 'TP5/obj/Debug/net8.0/TP5.GlobalUsings.g.cs'
m 'TP5/obj/Debug/net8.0/TP5.assets.cache'
m 'TP5/obj/Debug/net8.0/TP5.csproj.BuildWithSkipAnalyzers'
m 'TP5/obj/Debug/net8.0/TP5.csproj.CoreCompileInputs.cache'
m 'TP5/obj/Debug/net8.0/TP5.csproj.CoreCompileInputs.cache'
m 'TP5/obj/Debug/net8.0/TP5.csproj.FileListAbsolute.txt'
m 'TP5/obj/Debug/net8.0/TP5.dll'
m 'TP5/obj/Debug/net8.0/TP5.dll'
m 'TP5/obj/Debug/net8.0/TP5.genruntimeconfig.cache'
m 'TP5/obj/Debug/net8.0/TP5.pdb'
m 'TP5/obj/Debug/net8.0/TP5.pdb'
m 'TP5/obj/Debug/net8.0/TP5.sourcelink.json'
m 'TP5/obj/Debug/net8.0/apphost.exe'
m 'TP5/obj/Debug/net8.0/ref/TP5.dll'
m 'TP5/obj/Debug/net8.0/ref/TP5.dll'
m 'TP5/obj/Debug/net8.0/refint/TP5.dll'
m 'TP5/obj/Debug/net8.0/refint/TP5.dll'
m 'TP5/obj/TP5.csproj.nuget.dgspec.json'
m 'TP5/obj/TP5.csproj.nuget.g.props'
m 'TP5/obj/TP5.csproj.nuget.g.targets'
m 'TP5/obj/project.assets.json'
m 'TP5/obj/project.nuget.cache'
S C:\Users\fahmi\source\repos\KPL_2311104074_SE0702\05_Generics\TP5> git commit -m "Menyelesaikan konflik merge generic-class"
```

Push ke git



Link repo
https://github.com/fahmihasanasagaf/TP_5KPL_FAHMI/tree/f96adc392ce38aa7ba514793e678f0d3bc7af0fb