

TUGAS PENDAHULUAN MODUL 5



Disusun Oleh:

Izzaty Zahara Br Barus – 23111040452

Kelas:

SE-07-02

Dosen:

Yudha Islami Sulistya

PROGRAM STUDI SOFTWARE ENGINEERING DIREKTORAT KAMPUS PURWOKERTO TELKOM UNIVERSITY PURWOKERTO 2025



I. Link Github

• https://github.com/Izzaaaaaaaaaa/TPMODUL5 2311104052.git

II. Code & Hasil Running



```
C:\Users\ASUS\source\repos\KPL_izzatyzahara_2311104052_515E-07-02\05_Generics\TPModul5_2311104052\TPModul5_2311104052\pit checkout -b generic-method Switched to a new branch 'generic-method'

C:\Users\ASUS\source\repos\KPL_izzatyzahara_2311104052_515E-07-02\05_Generics\TPModul5_2311104052\TPModul5_2311104052\pit commit -m "Menambahkan cla Sas HaloGeneric dengan method SapaUser"
On branch generic-method nothing to commit, morking tree clean
C:\Users\ASUS\source\repos\KPL_izzatyzahara_2311104052_515E-07-02\05_Generics\TPModul5_2311104052\TPModul5_2311104052\pit push -u origin generic-method nothing to commit, morking tree clean
C:\Users\ASUS\source\repos\KPL_izzatyzahara_2311104052_515E-07-02\05_Generics\TPModul5_2311104052\TPModul5_2311104052\pit push -u origin generic-method nothing to commit morking tree clean
C:\Users\ASUS\source\repos\KPL_izzatyzahara_2311104052_515E-07-02\05_Generics\TPModul5_2311104052\TPModul5_2311104052\pit push -u origin generic-method nothing to commit morking tree clean
C:\Users\ASUS\source\repos\KPL_izzatyzahara_2311104052_515E-07-02\05_Generics\TPModul5_2311104052\TPModul5_2311104052\pit push -u origin generic-method nothing to composit the commit morking tree clean
C:\Users\ASUS\source\repos\KPL_izzatyzahara_2311104052_515E-07-02\05_Generics\TPModul5_2311104052\TPModul5_2311104052\pit push -u origin generic-method nothing tree clean
Total 12 (delta 7), reuse 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (12/12), 120 KiB | 215.00 KiB/s, done.
Total 12 (delta 7), reuse 0 (delta 0), pack-reused 0 (from 0)
remote: https://github.com/Izzaaaaaaaaa/TPMODUL5_2311104052\pit pull/new/generic-method
remote: https://github.com/Izzaaaaaaaaa/TPMODUL5_2311104052\pit pull/new/generic-method
remote: https://github.com/Izzaaaaaaaaa/TPMODUL5_2311104052.jt
* [new branch] generic-method 's generic-method'.
C:\Users\ASUS\source\repos\KPL_izzatyzahara_2311104052_515E-07-02\05_Generics\TPModul5_2311104052\TPModul5_2311104052\pit pull/new/generic-method dib0418 lologenic.cs

C:\Users\A
```

```
C:\Users\ASUS\source\repos\KPL_izzatyzahara_2311104052_SISE-07-02\05_Generics\TPModul5_2311104052\TPModul5_2311104052>git add .

C:\Users\ASUS\source\repos\KPL_izzatyzahara_2311104052_SISE-07-02\05_Generics\TPModul5_2311104052\TPModul5_2311104052>git commit -m "Menambahkan cla ss DataGeneric"
On branch generic-class nothing to commit, working tree clean

C:\Users\ASUS\source\repos\KPL_izzatyzahara_2311104052_SISE-07-02\05_Generics\TPModul5_2311104052\TPModul5_2311104052>git push -u origin generic-class  
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)  
remote: remote: Create a pull request for 'generic-class' on GitHub by visiting  
remote: https://github.com/Izzaaaaaaaaaaa/TPMODUL5_2311104052/pull/new/generic-class  
remote: 1 https://github.com/Izzaaaaaaaaa/TPMODUL5_2311104052.git  
% [new branch] generic-class > generic-class  
branch 'generic-class' set up to track 'origin/generic-class'.

C:\Users\ASUS\source\repos\KPL_izzatyzahara_2311104052_SISE-07-02\05_Generics\TPModul5_2311104052\TPModul5_2311104052>git branch  
% generic-class  
generic-class  
generic-method  
master
```



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      File
                                                          Debug
                                                                              Analyze
              Edit
                      View
                               Git
                                      Project Build
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                                     り・C - Debug - Any CPU
                                                                                       ▼ TPModul5_2311104052 ▼ ▷
                                                                                                                                   - E
    Program.cs ≠ X
    @ TPModul5_2311104052

→ <sup>®</sup> DataGeneric<T>

       個
                     class DataGeneric<T>
                          private T data;
                          public DataGeneric(T data)
                               this.data = data;
                          public void PrintData()
             120
                               Console.WriteLine($"Data yang tersimpan adalah: {data}");
                      class Program
                          static void Main(string[] args)
{
                              //Menggunakan class generic
DataGeneric<string> dataGeneric = new DataGeneric<string>("2311104052");
                               dataGeneric.PrintData();
 Data yang tersimpan adalah: 2311104052
C:\Users\ASUS\source\repos\KPL_izzatyzahara_2311104052_SISE-07-02\05_Generics\TPM0DUL5_2311104052\TPModul5_2311104052\bi
n\Debug\net8.0\TPModul5_2311104052.exe (process 18236) 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 . . .
C:\Users\ASUS\source\repos\KPL_izzatyzahara_2311104052_SISE-07-02\05_Generics\TPModul5_2311104052\TPModul5_2311104052>git add Program.cs
C:\Users\ASUS\source\repos\KPL_izzatyzahara_2311104052_SISE-07-02\05_Generics\TPModul5_2311104052\TPModul5_2311104052-git commit -m "Menyelesaikan m
arge conflict"
[master 56dfd54] Menyelesaikan marge conflict
```

```
C:\Users\ASUS\source\repos\RPL_izzatyzahara_2311104052_SISE-07-02\05_Generics\TPModul5_2311104052\TPModul5_2311104052>git pull origin master
From https://github.com/Izzaaaaaaaaa/TPMODUL5_2311104052
* branch master -> FETCH_HEAD
Merge made by the 'ort' strategy.

C:\Users\ASUS\source\repos\RPL_izzatyzahara_2311104052_SISE-07-02\05_Generics\TPModul5_2311104052\TPModul5_2311104052>git push -u origin master
Enumerating objects: 30, done.
Counting objects: 100% (30/30), done.
Delta compression using up to 4 threads
Compressing objects: 100% (14/14), done.
Writing objects: 100% (14/14), done.
Writing objects: 100% (16/16), 1.76 KiB | 1.76 MiB/s, done.
Total 16 (delta 8), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (8/8), completed with 5 local objects.
To https://github.com/Izzaaaaaaaaa/TPMODUL5_2311104052.git
cbe0e0-9.a37dofe master -> master
branch 'master' set up to track 'origin/master'.
```



III. Penjelasan Syntax Secara Singkat

Program ini punya tiga bagian utama: Program, HaloGeneric, dan DataGeneric<T>. Di dalam Main(), ada dua hal yang dilakukan. Pertama, program memanggil method SapaUser() dari class HaloGeneric, yang akan mencetak "Halo user Iza" ke layar. Method ini pakai generic, jadi bisa menerima jenis data apa saja. Kedua, program bikin objek dari DataGeneric<T>, lalu menyimpan NIM (2311104052) di dalamnya. Setelah itu, program akan mencetak "Data yang tersimpan adalah: 2311104052" ke layar. Tujuan utama dari program ini adalah menunjukkan bagaimana Generic bisa digunakan dalam method dan class. Dengan Generic, kita bisa bikin kode yang lebih fleksibel tanpa harus menentukan tipe data tertentu dari awal. Jadi, program ini bisa digunakan buat berbagai keperluan tanpa banyak perubahan.