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#### JURNAL MODUL 8 KONSTRUKSI PERANGKAT LUNAK

## 1. BankTransferConfig.cs

Kelas utama untuk memuat, menyimpan, dan menyediakan konfigurasi transfer bank.

Konfigurasi dibaca dari file bank\_transfer\_config.json. Jika file tidak ditemukan, maka dibuat konfigurasi default.

Properti konfigurasi meliputi:

```
lang
transfer (mencakup threshold, low_fee, high_fee)
methods (metode transfer)
confirmation (konfirmasi pengguna)
```

## 2. bank\_transfer\_config.json

```
"lang": "en",
      "transfer": {
        "threshold": 25000000,
        "low fee": 6500,
        "high_fee": 15000
      },
      "methods": [
        "RTO (real-time)",
        "SKN",
        "RTGS",
11
       "BI FAST"
12
13
      ],
      "confirmation": {
        "en": "yes",
15
        "id": "ya"
     }
    }
      "lang": "en",
21
      "transfer": {
        "threshold": 25000000,
        "low_fee": 6500,
24
        "high_fee": 15000
25
      },
      "methods": [
        "RTO (real-time)",
        "SKN",
        "RTGS",
       "BI FAST"
      "confirmation": {
32
        "en": "yes",
        "id": "ya"
     }
```

```
using System.IO;
  using System.Text.Json;
       public string lang { get; set; }
public Transfer transfer { get; set; }
       public List<string> methods { get; set; }
       public Confirmation confirmation { get; set; }
           public int low_fee { get; set; }
           public int high_fee { get; set; }
       private const string filePath = "bank_transfer_config.json";
       public BankTransferConfig()
               ReadConfig();
               SetDefault();
               WriteConfig();
       private void SetDefault()
          transfer = new Transfer { threshold = 25000000, low_fee = 6500, high_fee = 15000 };
          methods = new List<string> { "RTO (real-time)", "SKN", "RTGS", "BI FAST" };
confirmation = new Confirmation { en = "yes", id = "ya" };
      private void ReadConfig()
           string json = File.ReadAllText(filePath);
           BankTransferConfig? config = JsonSerializer.Deserialize<BankTransferConfig>(json);
           this.lang = config.lang;
           this.transfer = config.transfer;
           this.methods = config.methods;
           this.confirmation = config.confirmation;
       private void WriteConfig()
           string json = JsonSerializer.Serialize(this);
           File.WriteAllText(filePath, json);
```

#### 4. Program.cs

```
class Program
{
    class Program
{
        class Program
}

    class Program
{
        class Program
}

    class Program
}

class Constance Constanc
```

# ≪ Alur Program

Konfigurasi dibaca dari file JSON (bank transfer config.json).

Bahasa diatur otomatis berdasarkan field lang

User memasukkan jumlah uang yang ingin ditransfer.

Biaya transfer dihitung berdasarkan threshold.

User memilih metode transfer dari daftar.

User dikonfirmasi, jika setuju, maka transfer berhasil; jika tidak, dibatalkan.