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SE07-02

### 1. Hasil Run

```
Please insert the amount of money to transfer:
2000000
Transfer fee = 6500
Total amount = 2006500
Select transfer method:
1. RTO (real-time)
2. SKN
3. RTGS
4. BI FAST
4
Please type "yes" to confirm the transaction:
yes
The transfer is completed
```

### 2. BankTransferConfig.cs

```
using System.Text.Json;

public class BankTransferConfig
{
    public string lang { get; set; }
    public Transfer transfer { get; set; }
    public string[] methods { get; set; }
    public Confirmation confirmation { get; set; }

    public static BankTransferConfig Load(string filePath)
    {
        if (!File.Exists(filePath))
        {
            return new BankTransferConfig
            {
                lang = "en",
                transfer = new Transfer
                {
                    threshold = 25000000,
                    low_fee = 6500,
                    high_fee = 15000
                },
                methods = new[] { "RTO (real-time)", "SKN", "RTGS", "BI FAST" },
                confirmation = new Confirmation
                {
                    en = "yes",
                    id = "ya"
                }
            }
        }
    }
}
```

```

    };
}

string json = File.ReadAllText(filePath);
return JsonSerializer.Deserialize<BankTransferConfig>(json);
}
}

public class Transfer
{
    public int threshold { get; set; }
    public int low_fee { get; set; }
    public int high_fee { get; set; }
}

public class Confirmation
{
    public string en { get; set; }
    public string id { get; set; }
}

```

### Penjelasan

- Class ini bertanggung jawab untuk membaca file bank\_transfer\_config.json.
- Jika file tidak ada, akan dibuat default konfigurasi secara langsung.

### 3. Program.cs

```

Console.OutputEncoding = System.Text.Encoding.UTF8;

string configPath = "bank_transfer_config.json";
var config = BankTransferConfig.Load(configPath);

// 1. Input transfer amount
Console.WriteLine(config.lang == "id"
    ? "Masukkan jumlah uang yang akan di-transfer:"
    : "Please insert the amount of money to transfer:");

int amount = int.Parse(Console.ReadLine());

// 2. Calculate fee
int fee = amount <= config.transfer.threshold
    ? config.transfer.low_fee
    : config.transfer.high_fee;

int total = amount + fee;

// 3. Output fee
if (config.lang == "id")

```

```

{
    Console.WriteLine($"Biaya transfer = {fee}");
    Console.WriteLine($"Total biaya = {total}");
}
else
{
    Console.WriteLine($"Transfer fee = {fee}");
    Console.WriteLine($"Total amount = {total}");
}

// 4. Transfer methods
Console.WriteLine(config.lang == "id"
    ? "Pilih metode transfer:"
    : "Select transfer method:");

for (int i = 0; i < config.methods.Length; i++)
{
    Console.WriteLine($" {i + 1}. {config.methods[i]}");
}

Console.ReadLine(); // Method selection (not used further)

// 5. Confirmation input
string confirmText = config.lang == "id" ? config.confirmation.id : config.confirmation.en;

Console.WriteLine(config.lang == "id"
    ? $"Ketik \"{confirmText}\" untuk mengkonfirmasi transaksi:"
    : $"Please type \"{confirmText}\" to confirm the transaction:");

string userConfirm = Console.ReadLine();

// 6. Final response
if (userConfirm == confirmText)
{
    Console.WriteLine(config.lang == "id"
        ? "Proses transfer berhasil"
        : "The transfer is completed");
}
else
{
    Console.WriteLine(config.lang == "id"
        ? "Transfer dibatalkan"
        : "Transfer is cancelled");
}

```

Penjelasan:

- Berfungsi sebagai entry point utama.

- Menampilkan teks dan menerima input berdasarkan bahasa yang dipilih (en atau id).
- Menghitung biaya transfer berdasarkan threshold.