TUGAS ALGORITMA – 13

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TI-2022

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CODE :

```cpp
#include <iostream>
#include <string>

using namespace std;

// penggunaan struct
struct costumer
{
    string nama;
    int menu;
    int total;
};

int orderer(int pick, string menuu[5]);
string convert(int pick, string menuu[5]);

int main()
{
    // penggunaan array
    string menu[5] = {"Es teh nusantara", "Es teh melati", "Chizu Avocado",
"Thai Tea", "Es teh RedVelvet"};
    string order, sugar, size, hasilMenu;
    costumer pembeli;
    int pick;

    cout << "       ESTEH INDONESIA" << endl;
    cout << "==============================" << endl;
    cout << " Welcome, This is our Menu !" << endl
         << endl;

    for (int i = 0; i < 5; i++)
    {
        cout << i + 1 << " " << menu[i] << endl;
    }
    cout << endl;
    cout << "Order/Tidak (yes/no) = ";
    cin >> order;
```

```cpp
    // logic
    if (order == "yes")
    {
        cout << "please fill the form to order" << endl;
        cout << "Name                = ";
        cin >> pembeli.nama;
        cout << "Menu   (1/2/3/4/5)  = ";
        cin >> pembeli.menu;
        cout << "Size (Large/Medium) = ";
        cin >> size;
        cout << "Sugar (normal/less) = ";
        cin >> sugar;
        cout << endl;
        pick = pembeli.menu;

        // penggunaan function
        pembeli.total = orderer(pick, menu);
        hasilMenu = convert(pick, menu);

        if (size == "Large")
        {
            pembeli.total += 5000;
        }

        cout << "FORMAT ORDER" << endl;
        cout << "============================" << endl;
        cout << "Name  = " << pembeli.nama << endl;
        cout << "Menu  = " << hasilMenu << endl;
        cout << "Size  = " << size << endl;
        cout << "Sugar = " << sugar << endl;
        cout << "Total = " << pembeli.total << endl;
        cout << endl;
        cout << "Terimakasih , Semua akan es teh pada waktunya" << endl;
    }
    else
    {
        cout << "terima kasih";
    }
    return 0;
}

// penggunaan function
int orderer(int pick, string menuu[5])
{

    int total[5] = {15000, 14000, 20000, 15000, 20000};
    int hasil;
```

```cpp
    int picke = pick - 1;
    for (int i = 0; i < 5; i++)
    {
        if (picke == i)
        {
            hasil = total[i];
        }
    }

    return hasil;
}

string convert(int pick, string menuu[5])
{

    string hasil;
    int picke = pick - 1;
    for (int i = 0; i < 5; i++)
    {
        if (picke == i)
        {
            hasil = menuu[i];
        }
    }

    return hasil;
}
```

OUTPUT :

```
rikyfahrian@rikyfahrian MINGW64 /c/cpp
$ g++ main.cpp

rikyfahrian@rikyfahrian MINGW64 /c/cpp
$ ./a.exe
       ESTEH INDONESIA
==============================
 Welcome, This is our Menu !

1 Es teh nusantara
2 Es teh melati
3 Chizu Avocado
4 Thai Tea
5 Es teh RedVelvet

Order/Tidak (yes/no) = yes
please fill the form to order
Name                 = riky
Menu    (1/2/3/4/5)  = 1
Size (Large/Medium) = Large
Sugar (normal/less) = normal

FORMAT ORDER
==========================
Name  = riky
Menu  = Es teh nusantara
Size  = Large
Sugar = normal
Total = 20000

Terimakasih , Semua akan es teh pada waktunya
```