

**LAPORAN PRAKTIKUM**  
**ALGORITMA PEMROGRAMAN**



**Disusun Oleh :**

**BAHARUDIN ALVIN DAROJI - 2100018226**

**REZA MUCHAMAD HAFIS- 2100018227**

**ANDRI PANGISTU - 2100018256**

**UNIVERSITAS AHMAD DAHLAN**  
**FAKULTAS TEKNOLOGI INDUSTRI**  
**PROGRAM STUDI TEKNIK INFORMATIKA**  
**MARET 2022**

# LAPORAN STUDY KASUS PERTEMUAN 1

## Source code c++

```
E:\Semester 2\PRAKTIKUM\PRAKTIKUM ALPRO\Pertemuan 2\Kedai Kasir.cpp - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
Project Classes Debug Kedai Kasir.cpp
1 // KELOMPOK 08 E
2 // 1.BAHARUDIN ALVIN D- 2100018226
3 // 2.REZA MUCHAMAD HAFIS- 2100018227
4 // 3.ANDRI PANGISTU - 2100018256
5
6 #include<iostream>
7 using namespace std;
8
9 int main (){
10
11     int menu;
12     int jumlah;
13     int harga;
14     int bayar;
15
16     cout<<"PROGRAM KASIR KEDAI AYAM SUII"<<endl;
17     cout<<"PILIHAN MENU"<<endl;
18     cout<<"1. Ayam Goreng      Rp.17.000"<<endl;
19     cout<<"2. Ayam Bakar        Rp.21.000"<<endl<<endl;
20     cout<<"Pilih Menu: ";
21     cin>>menu;
22     switch (menu){
23     case 1:
24
25         int hargaGoreng;
26         hargaGoreng=17000;
27
28     }
29
30     cout<<"Masukkan jumlah Ayam Goreng Yang diinginkan: ";
31     cin>>jumlah;
32     harga=jumlah*hargaGoreng;
33     cout<<"Harga Total      :Rp."<<harga<<endl;
34     break;
35
36     case 2 :
37     int hargaBakar;
38     hargaBakar=21000;
39
40     cout<<"Masukkan jumlah Ayam Bakar Yang diinginkan: ";
41     cin>>jumlah;
42     harga=jumlah*hargaBakar;
43     cout<<"Harga Total      :Rp."<<harga<<endl;
44     break;
45 }
46
47 int diskon;
48 int hargaTot;
49 int kembalian;
50
51 if(harga >= 45000){
52     diskon=0.1* harga;
53 }
```

```
E:\Semester 2\PRAKTIKUM\PRAKTIKUM ALPRO\Pertemuan 2\Kedai Kasir.cpp - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
Project Classes Debug Kedai Kasir.cpp
25     int hargaGoreng;
26     hargaGoreng=17000;
27
28     cout<<"Masukkan jumlah Ayam Goreng Yang diinginkan: ";
29     cin>>jumlah;
30     harga=jumlah*hargaGoreng;
31     cout<<"Harga Total      :Rp."<<harga<<endl;
32     break;
33
34     case 2 :
35     int hargaBakar;
36     hargaBakar=21000;
37
38     cout<<"Masukkan jumlah Ayam Bakar Yang diinginkan: ";
39     cin>>jumlah;
40     harga=jumlah*hargaBakar;
41     cout<<"Harga Total      :Rp."<<harga<<endl;
42     break;
43 }
44
45 int diskon;
46 int hargaTot;
47 int kembalian;
48
49 if(harga >= 45000){
50     diskon=0.1* harga;
51 }
```

The screenshot shows the Dev-C++ IDE with the file 'Kedai Kasir.cpp' open. The code is a C++ program for a cashier system. It includes a menu of items (Ayam Goreng and Ayam Bakar) with their prices. The program prompts the user to select a menu item and enter the quantity. It then calculates the total price, applies a discount (10% for items priced at 45000 or more), and calculates the change. The program uses `cout` and `cin` for output and input, and `break` to exit the loop. The status bar at the bottom shows 'Line: 23', 'Col: 12', 'Sel: 0', 'Lines: 68', 'Length: 1271', and 'Done parsing in 0,016 seconds'.

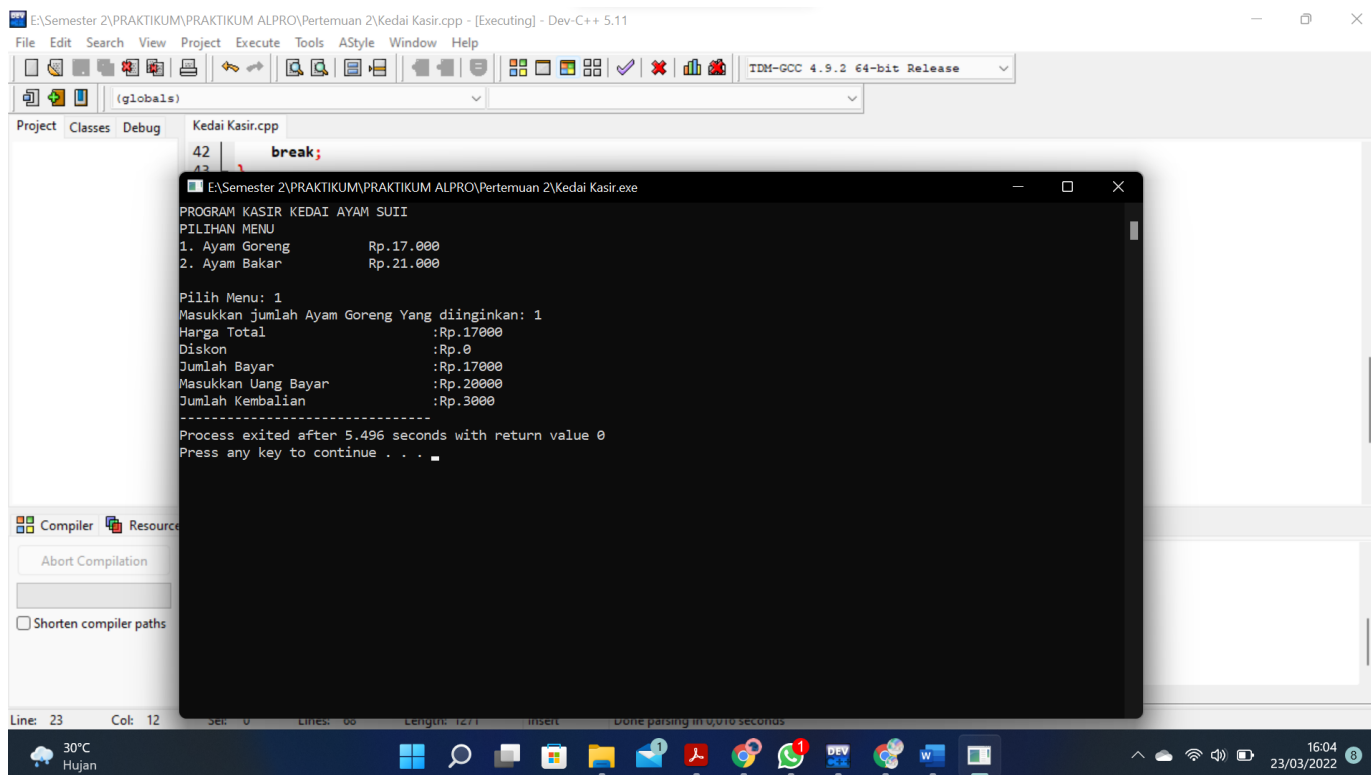
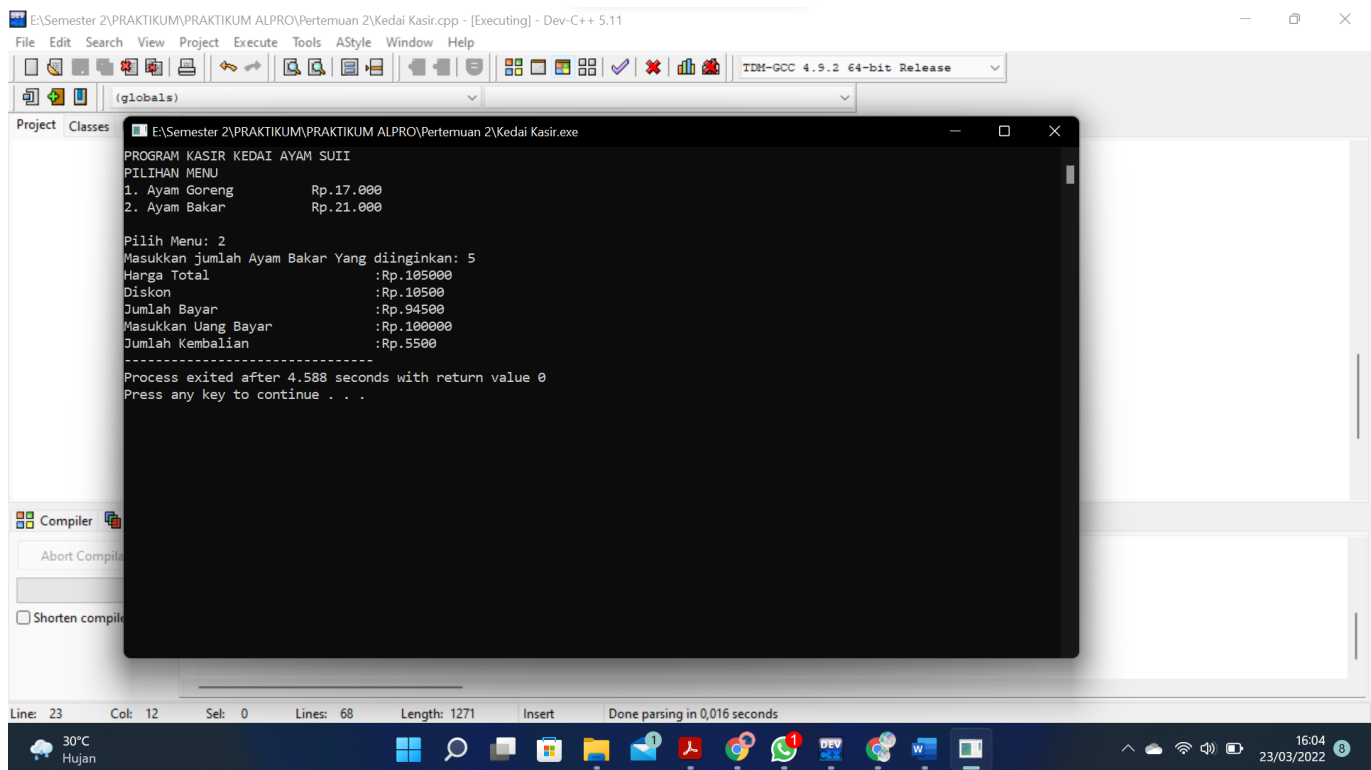
```
42     break;
43 }
44 int diskon;
45 int hargaTot;
46 int kembalian;
47
48
49 if(harga >= 45000){
50     diskon=0.1* harga;
51 }
52 else {
53     diskon=0;
54 }
55
56 cout<<"Diskon          :Rp."<<diskon<<endl;
57 hargaTot=harga-diskon;
58 cout<<"Jumlah Bayar      :Rp."<<hargaTot<<endl;
59 cout<<"Masukkan Uang Bayar  :Rp.";
60 cin>>bayar;
61 kembalian= bayar-hargaTot;
62 cout<<"Jumlah Kembalian   :Rp."<<kembalian;
63
64
65 return 0;
66 }
67
68
```

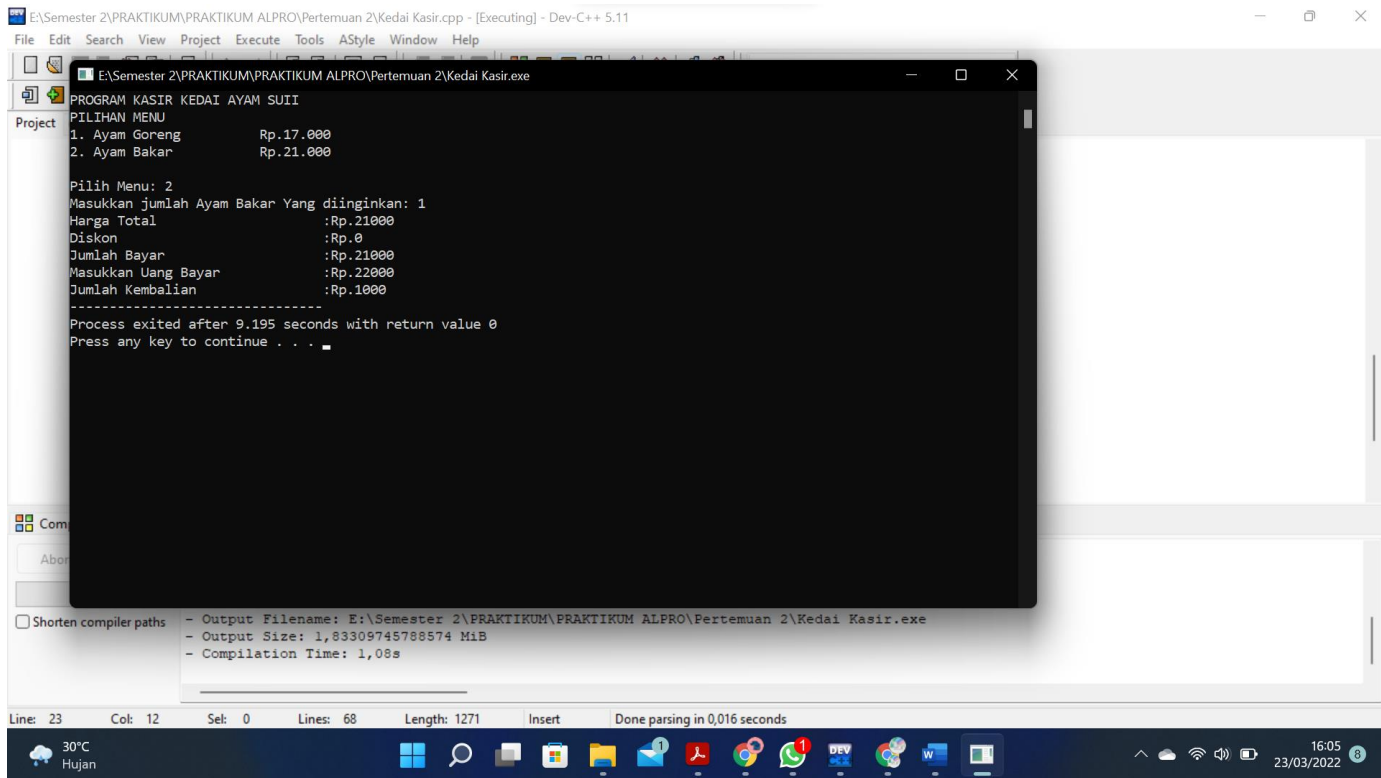
## RUN

The screenshot shows the Dev-C++ IDE with the file 'Kedai Kasir.exe' being executed. The output window displays the program's execution, including the menu, user input, and calculated values. The status bar at the bottom shows 'Line: 23', 'Col: 12', 'Sel: 0', 'Lines: 68', 'Length: 1271', and 'Done parsing in 0,016 seconds'.

```
PROGRAM KASIR KEDAI AYAM SUII
PILIHAN MENU
1. Ayam Goreng      Rp.17.000
2. Ayam Bakar       Rp.21.000

Pilih Menu: 1
Masukkan jumlah Ayam Goreng Yang diinginkan: 5
Harga Total          :Rp.85000
Diskon                :Rp.8500
Jumlah Bayar          :Rp.76500
Masukkan Uang Bayar   :Rp.100000
Jumlah Kembalian      :Rp.23500
-----
Process exited after 5.075 seconds with return value 0
Press any key to continue . . .
```





LINK GITHUB : <https://github.com/rezamhfs/PRAKTIKUM-ALPRO>

## SS GITHUB

