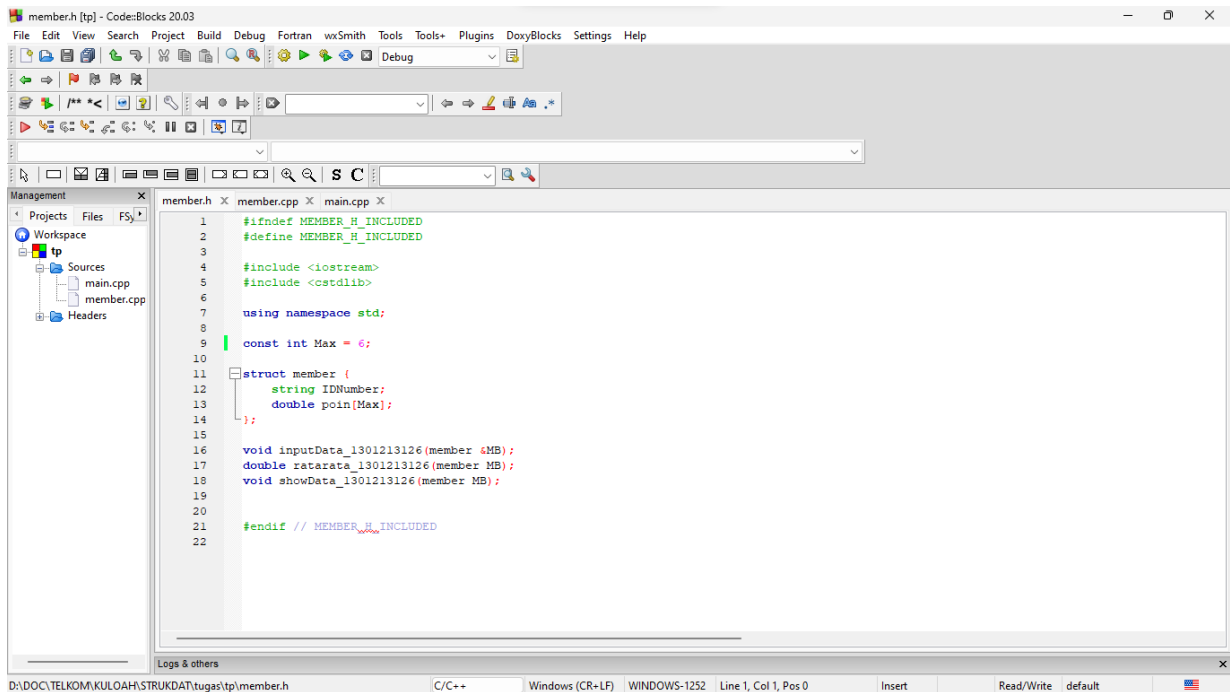


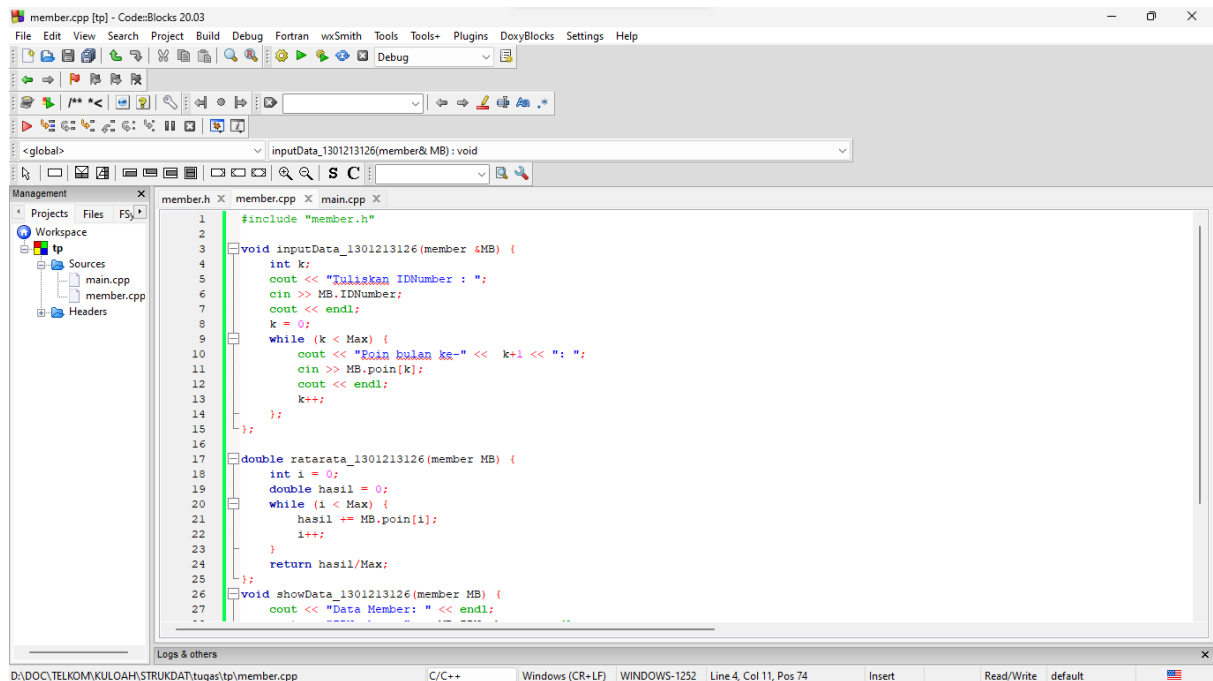
Fadhil Muhamad Pratama (1301213126)

IF-45-11



The screenshot shows the Code::Blocks 20.03 IDE with the 'member.h' file open. The file contains a header guard, standard library includes, and a struct definition for 'member' with an ID number and an array of pointers. It also includes three function declarations: 'inputData', 'ratarata', and 'showData'.

```
1  #ifndef MEMBER_H_INCLUDED
2  #define MEMBER_H_INCLUDED
3
4  #include <iostream>
5  #include <stdlib.h>
6
7  using namespace std;
8
9  const int Max = 6;
10
11 struct member {
12     string IDNumber;
13     double poin[Max];
14 };
15
16 void inputData_1301213126(member &MB);
17 double ratarata_1301213126(member MB);
18 void showData_1301213126(member MB);
19
20 #endif // MEMBER_H_INCLUDED
```



The screenshot shows the Code::Blocks 20.03 IDE with the 'member.cpp' file open. The file implements the functions declared in 'member.h'. It includes 'member.h' and uses the 'std' namespace. The 'inputData' function takes a member object and a pointer to a member object, reads an ID number and an array of pointers. The 'ratarata' function calculates the average of the pointers. The 'showData' function displays the member's data.

```
1  #include "member.h"
2
3  void inputData_1301213126(member &MB) {
4      int k;
5      cout << "Tuliskan IDNumber : ";
6      cin >> MB.IDNumber;
7      cout << endl;
8      k = 0;
9      while (k < Max) {
10         cout << "Poin bulan ke-" << k+1 << " : ";
11         cin >> MB.poin[k];
12         cout << endl;
13         k++;
14     };
15 }
16
17 double ratarata_1301213126(member MB) {
18     int i = 0;
19     double hasil = 0;
20     while (i < Max) {
21         hasil += MB.poin[i];
22         i++;
23     };
24     return hasil/Max;
25 }
26
27 void showData_1301213126(member MB) {
28     cout << "Data Member: " << endl;
```

member.cpp [tp] - Code::Blocks 20.03

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Debug

<global> inputData_1301213126(member& MB):void

Management

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Workspace

tp

Sources

main.cpp

member.cpp

Headers

```
11 cin >> MB.poin[k];
12 cout << endl;
13 k++;
14 };
15 };
16
17 double ratarata_1301213126(member MB) {
18     int i = 0;
19     double hasil = 0;
20     while (i < Max) {
21         hasil += MB.poin[i];
22         i++;
23     }
24     return hasil/Max;
25 };
26 void showData_1301213126(member MB) {
27     cout << "Data Member: " << endl;
28     cout << "IDNumber: " << MB.IDNumber << endl;
29     int i = 0;
30     cout << "Roin: ";
31     while (i < Max) {
32         cout << MB.poin[i] << " ";
33         i++;
34     }
35     cout << endl;
36 };
37
```

Logs & others

D:\DOC\TELKOM\KULOAH\STRUKDAT\tugas\tp\member.cpp C/C++ Windows (CR+LF) WINDOWS-1252 Line 4, Col 11, Pos 74 Insert Read/Write default

main.cpp [tp] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Debug

<global>

Management

Projects Files FS

Workspace

tp

Sources

main.cpp

member.cpp

Headers

member.h

```
1 #include "member.h"
2
3 using namespace std;
4
5 int main()
6 {
7     member M;
8     inputData_1301213126(M);
9     showData_1301213126(M);
10
11     cout << "Dengan Rata-Rata Roin: " << ratarata_1301213126(M) << endl;
12     return 0;
13 }
14
```

Logs & others

D:\DOC\TELKOM\KULOAH\STRUKDAT\tugas\tp\main.cpp C/C++ Windows (CR+LF) WINDOWS-1252 Line 1, Col 20, Pos 19 Insert Read/Write default

Output :

```
DA\DOC\TELKOM\KULOAH\STRUKDAT\tugas\tp\bin\Debug\tp.exe
Tuliskan IDNumber : 12308879

Poin bulan ke-1: 25
Poin bulan ke-2: 50
Poin bulan ke-3: 50
Poin bulan ke-4: 25
Poin bulan ke-5: 50
Poin bulan ke-6: 25

Data Member:
IDNumber: 12308879
Poin: 25 50 50 25 50 25
Dengan Rata-Rata Poin: 37.5

Process returned 0 (0x0)   execution time : 30.748 s
Press any key to continue.
```