

**LAPORAN PRAKTIKUM  
ALGORITMA DAN PEMROGRAMAN  
MODUL 9**

**ARRAY DALAM FUNCTION**



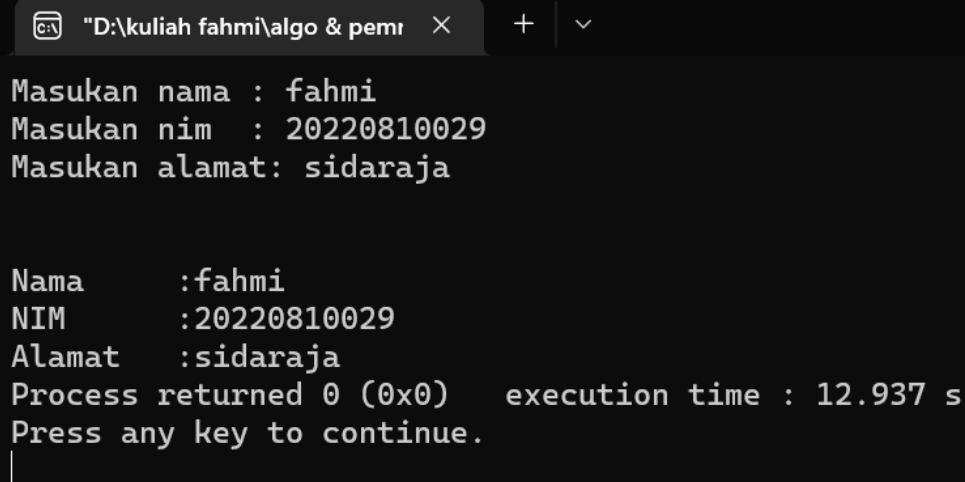
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Kelas : TINFC-2022-02**

**FAKULTAS ILMU KOMPUTER  
UNIVERSITAS KUNINGAN  
2022**

## 1. POSTTEST

```
#include<iostream>
using namespace std;

strcpy(char nama[],char nim[],char alamat[]){
    cout<<"\nNama    : "<<nama;
    cout<<"\nNIM     : "<<nim;
    cout<<"\nAlamat  : "<<alamat;
}
int main()
{
    char a[20],b[20],c[20];
    cout<<"Masukan nama : ";
    cin>>a;
    cout<<"Masukan nim : ";
    cin>>b;
    cout<<"Masukan alamat: ";
    cin>>c;
    cout<<endl;
    strcpy(a,b,c);
    return 0;
}
```

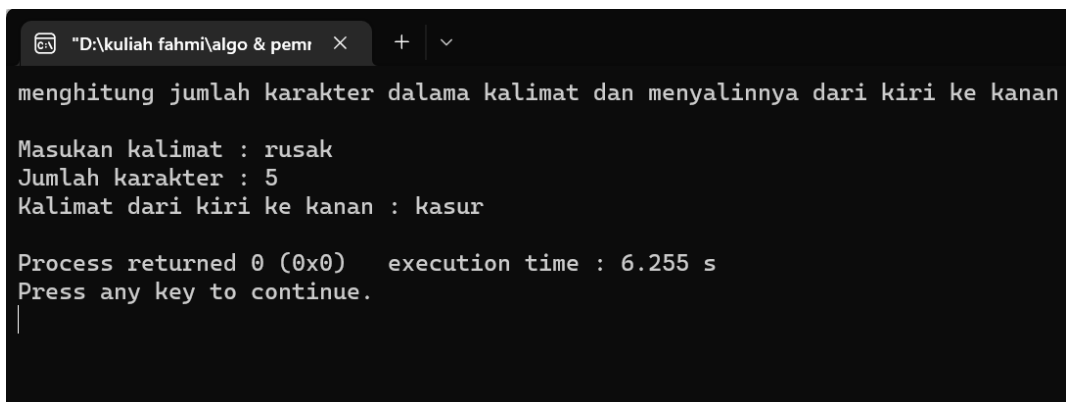


```
"D:\kuliah fahmi\algo & pemr" X + v
Masukan nama : fahmi
Masukan nim   : 20220810029
Masukan alamat: sidaraja

Nama      :fahmi
NIM       :20220810029
Alamat    :sidaraja
Process returned 0 (0x0)   execution time : 12.937 s
Press any key to continue.
|
```

## 2. POSTTEST

```
#include<iostream>
using namespace std;
void karakter(char a[]){
    int i,jml=0;
    for(i=0;i<a[i];i++)
        jml+=1;
    cout<<"Jumlah karakter : "<<jml<<endl;
}
void salin(char a[]){
    int i,j,n;
    for(i=0;i<a[i];i++)
        n=i+1;
    cout<<"Kalimat dari kiri ke kanan : ";
    for(j=n;j>=0;j--)
        cout<<a[j];
}
main(){
    char a[100];
    cout<<"menghitung jumlah karakter dalama kalimat dan menyalinnya dari kiri
ke kanan \n\n";
    cout<<"Masukan kalimat : ";
    cin.getline(a,sizeof(a));
    karakter(a);
    salin(a);cout<<endl;
}
```



The screenshot shows a terminal window with a dark background. At the top, there is a tab labeled "D:\kuliah fahmi\algo & pemr" with a close button (X) and window control buttons (+ and v). The terminal output shows the program's execution: it prompts for a sentence, counts the characters in "rusak" (5), and prints the sentence in reverse order as "kasur". At the bottom, it shows the process returned 0 (0x0) with an execution time of 6.255 s, and a prompt to press any key to continue.

```
"D:\kuliah fahmi\algo & pemr" X + v
menghitung jumlah karakter dalama kalimat dan menyalinnya dari kiri ke kanan

Masukan kalimat : rusak
Jumlah karakter : 5
Kalimat dari kiri ke kanan : kasur

Process returned 0 (0x0)   execution time : 6.255 s
Press any key to continue.
|
```

### 3. POSTTEST

```
#include <iostream>

using namespace std;
int main()
{
    int data[100];
    int jumlah,temp,n;
    float rata,total=0;

    cout<<"Banyaknya Data : ";cin>>n;

    for(int i=0;i<n;i++)
    {
        cout<<"Data ke - ";cin>>data[i];
    }

    cout<<"\n"<<endl;
    cout<<"Banyaknya kemunculan data : "<<endl;

    for(int h=0;h<n;h++)
    {
        jumlah=0;
        for(int i=0;i<n;i++)
        {
            if(data[h]==data[i])
                jumlah++;
        }
        if(data[h] != data[h-1])
            cout<<data[h]<<" : " <<jumlah<<endl;
    }

    for( int i=0;i<n;i++)
    {
        total+=data[i];
    }
    rata=total/n;
    cout<<"Hasil rata-rata nya adalah : "<<rata<<endl;
    return 0;
}
```

```
"D:\kuliah fahmi\algo & pemr" × + ∨  
Banyaknya Data : 6  
Data ke - 7  
Data ke - 7  
Data ke - 4  
Data ke - 1  
Data ke - 2  
Data ke - 1  
  
Banyaknya kemunculan data :  
7 : 2  
4 : 1  
1 : 2  
2 : 1  
1 : 2  
Hasil rata-rata nya adalah : 3.66667  
  
Process returned 0 (0x0)   execution time : 9.232 s  
Press any key to continue.  
|
```