LAPORAN PRAKTIKUM
ALGORITMA DAN PEMROGRAMAN
MODUL 6

SENARAI / LARIK / ARRAY

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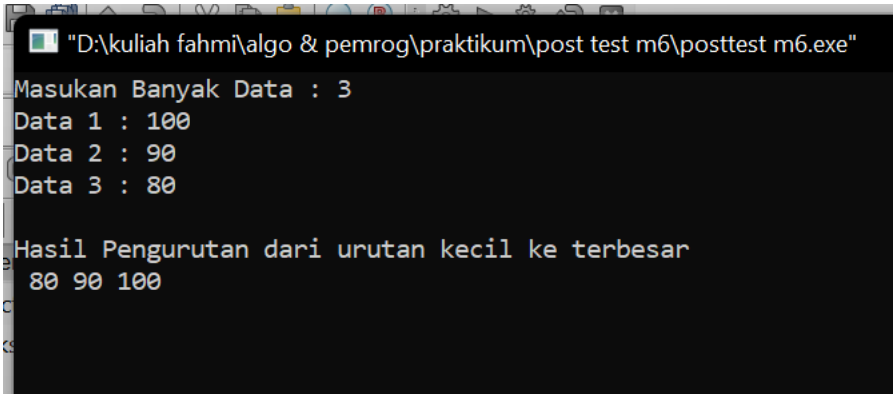
2022

ANALISIS PROSES PROGRAM BERJALAN

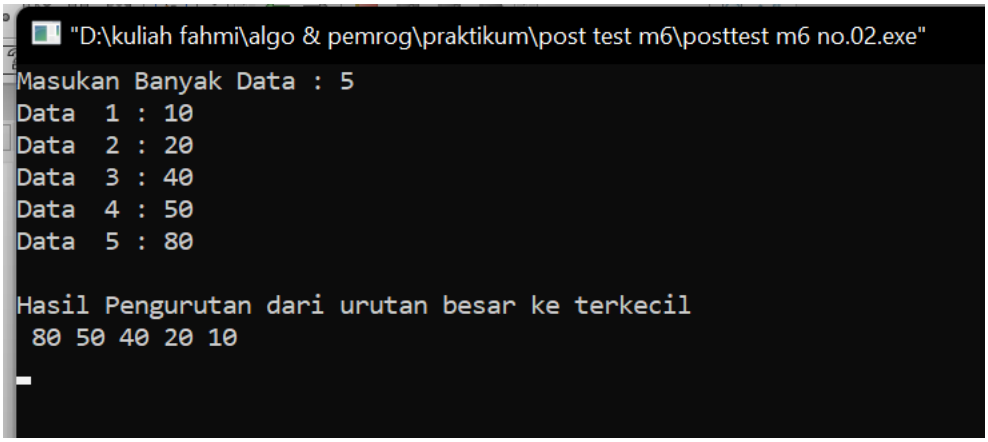
1. POSTTEST

```
#include <iostream>
#include <conio.h>
using namespace std;

int data, asc;

main(){
   cout << "Masukan Banyak Data : ";
   cin >> data;

   int nilai[data];

   for(int i=0; i<data; i++){
      cout << "Data " << (i+1) << " : ";
      cin >> nilai[i];
   }

   for(int c=1;c<data;c++)
   {
      for(int d=0;d<data-c;d++)
      {
         if(nilai[d] > nilai[d+1])
         {
            asc=nilai[d];
            nilai[d]=nilai[d+1];
            nilai[d+1]=asc;
         }
      }
   }

   cout << endl << "Hasil Pengurutan dari urutan kecil ke terbesar\n";
   for(int i=0;i<data;i++)
   {
      cout << " " << nilai[i];
   }
   cout << endl;
   getch();
   return 0;
}
```


"D:\kuliah fahmi\algo & pemrog\praktikum\post test m6\posttest m6.exe"
Masukan Banyak Data : 3
Data 1 : 100
Data 2 : 90
Data 3 : 80
Hasil Pengurutan dari urutan kecil ke terbesar
80 90 100

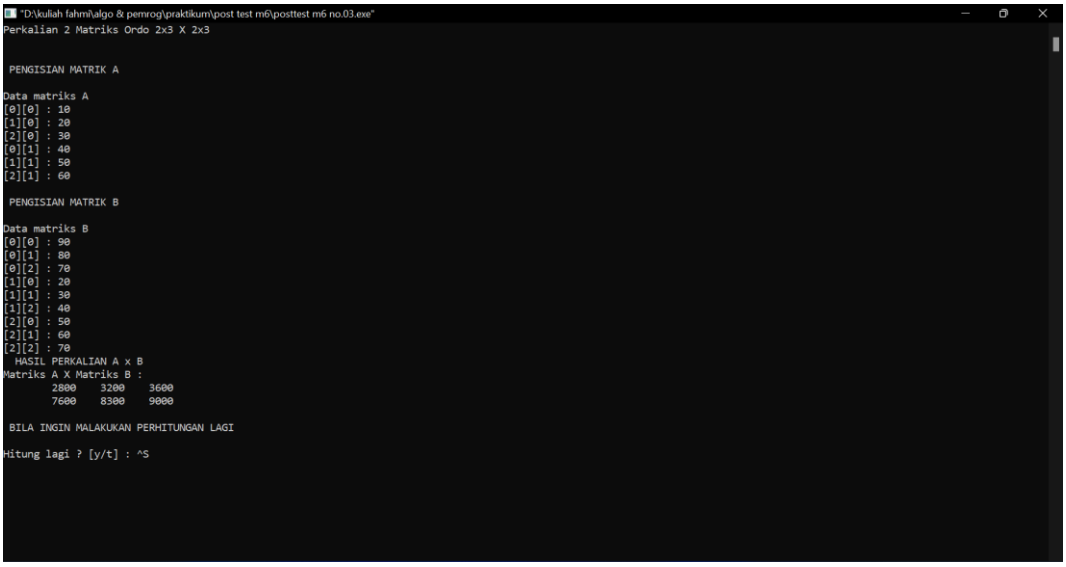
2. POSTEST

```
#include <iostream>
#include <conio.h>
using namespace std;

int data, dsc;

main(){
   cout << "Masukan Banyak Data : ";
   cin >> data;

   int nilai[data];

   for(int i=0; i<data; i++){
      cout << "Data  " << (i+1) << " : ";
      cin >> nilai[i];
   }

   for(int c=1;c<data;c++)
   {
      for(int d=0;d<data-c;d++)
      {
         if(nilai[d] < nilai[d+1])
         {
            dsc=nilai[d];
            nilai[d]=nilai[d+1];
            nilai[d+1]=dsc;
         }
      }
   }

   cout << endl << "Hasil Pengurutan dari urutan besar ke terkecil\n";
   for(int i=0;i<data;i++)
   {
      cout << " " << nilai[i];
   }
   cout << endl;
   getch();
   return 0;
}
```


"D:\kuliah fahmi\algo & pemrog\praktikum\post test m6\posttest m6 no.02.exe"
Masukan Banyak Data : 5
Data 1 : 10
Data 2 : 20
Data 3 : 40
Data 4 : 50
Data 5 : 80
Hasil Pengurutan dari urutan besar ke terkecil
80 50 40 20 10

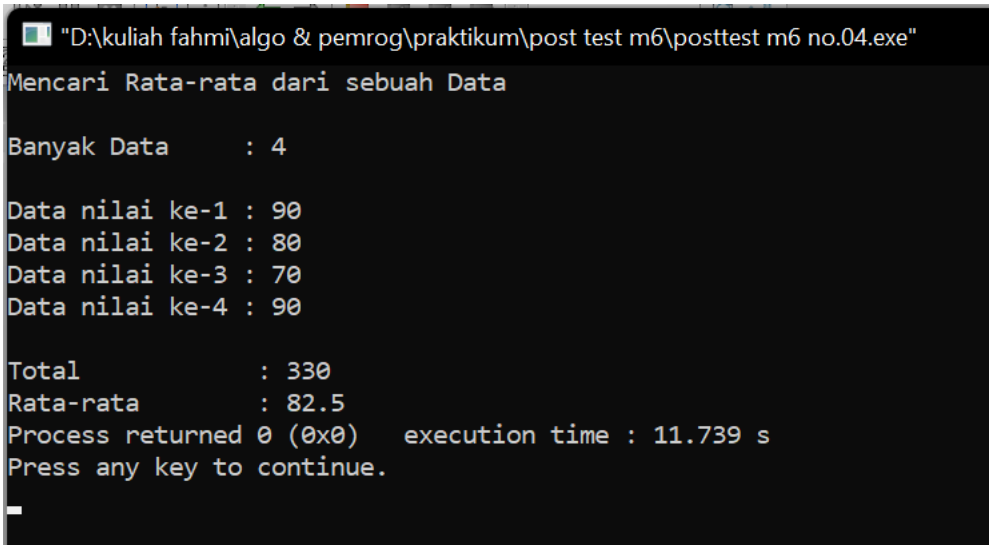
3. POSTEST

```
#include<iostream>
#include<conio.h>
using namespace std;
main()
{
	int i,x;
	int matriks_A[2][3], matriks_B[3][3], matriks_C[2][3];
	char ulang;

	cout<< "\nPerkalian 2 Matriks Ordo 2x3 X 2x3 \n\n";
	do{
	//Input data matriks A
	cout<< "\n PENGISIAN MATRIK A \n";
	cout<< "\nData matriks A \n";
	for(i=0 ;i<2; i++)
	{
	for(x=0 ;x<3; x++)
	{
	cout<< "["<<x<<"]["<<i<<"] : ";
	cin>> matriks_A[i][x];
	}
	}
	cout<< "\n PENGISIAN MATRIK B \n";
	//Input data matriks B
	cout<< "\nData matriks B \n";
	for(i=0 ;i<3; i++)
	{
	for(x=0 ;x<3; x++)
	{
	cout<<"["<<i<<"]["<<x<<"] : ";
	cin>> matriks_B[i][x];
	}
	}
	cout<< "  HASIL PERKALIAN A x B  ";
	//Output hasil penjumlahan Matriks A + Matriks B
	cout<< "\nMatriks A X Matriks B : "<<endl;
	for(i=0 ;i<2; i++)
	{
	for(x=0; x<3; x++)
	{
	matriks_C[i][x]=matriks_A[i][0]*matriks_B[0][x]+matriks_A[i][1]*matri
ks_B[1][x]+matriks_A[i][2]*matriks_B[2][x];
	cout<<"\t"<<matriks_C[i][x];
	}
	cout<<endl;
	}
	cout<< "\n BILA INGIN MALAKUKAN PERHITUNGAN LAGI\n";
	cout<< "\nHitung lagi ? [y/t] : ";cin>>ulang;
	}while(ulang!='t');
	cout<< "\n\nTerima Kasih \n\n"<<endl;
	getch();
}
```



4. POSTEST

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

int main() {
   int array[10], data;
   float angka, total = 0, rata;


   cout << "Mencari Rata-rata dari sebuah Data" << endl;
   cout << endl;
   cout << "Banyak Data\t: ";
   cin >> data;
   cout << endl;

   for (int i = 1; i <= data; i++) {
      cout<<"Data nilai ke-"<<i<<" : ";
      cin >> angka;
      total += angka;
   }

   cout << endl;
   cout << "Total\t\t : " << total << endl;
   rata = total / data;
   cout << "Rata-rata\t : " << rata;
   return 0
   ;
}
```


"D:\kuliah fahmi\algo & pemrog\praktikum\post test m6\posttest m6 no.04.exe"
Mencari Rata-rata dari sebuah Data
Banyak Data : 4
Data nilai ke-1 : 90
Data nilai ke-2 : 80
Data nilai ke-3 : 70
Data nilai ke-4 : 90
Total : 330
Rata-rata : 82.5
Process returned 0 (0x0) execution time : 11.739 s
Press any key to continue.