UAS PEMROGRAMAN DASAR

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KELAS D

LINK GITHUB: https://github.com/RidhoMulyawan/UAS.git

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

int main(){
	float x[100],y[100],xy[100],x2[100],y2[100],korelasi,r;
	int i,banyak,sigmax,sigmay,sigmaxy,sigmax2,sigmay2;
	cout<<"Masukkan banyak data: ";
	cin>> banyak;

	for (int i = 0; i<banyak; i++){
	sigmax=0;
	sigmay=0;
	sigmaxy=0;
	sigmax2=0;
	sigmay2=0;
	 cout<<"Masukkan nilai x: ";
	 cin>>x[i];
	 cout<<"Masukkan nilai y: ";
	 cin>>y[i];
	 xy[i]=x[i]*y[i];
	 cout<<"Hasil kali x dan y"<<" "<< xy[i]<<endl;
	 x2[i]=x[i]*x[i];
	 cout<<"Hasil x^2: "<< " "<< x2[i]<<endl;
	 y2[i]=y[i]*y[i];
```

```
            cout<<"Hasil y^2: "<< " "<< y2[i]<<endl;
            }
            for (i=0 ; i<banyak ; i++)
            {
            sigmax=sigmax+x[i];
            sigmay=sigmay+y[i];
            sigmaxy=sigmaxy+xy[i];
            sigmax2=sigmax2+x2[i];
            sigmay2=sigmay2=y2[i];
            }
            cout<<"total sigma X adalah"<<sigmax<<endl;
            cout<<"total sigma Y adalah"<<endl;
            cout<<"total sigmaxy"<<sigmaxy<<endl;
           cout<<"total sigmax^2"<<sigmax2<<endl;
           cout<<"total sigma y^2"<<sigmay2<<endl;

           if (r<0.09)
{
cout << "Hubungan korelasi diabaikan"; cin >> korelasi;
}
if (r<0.29)
{
cout << "Hubungan korelasi rendah"; cin >> korelasi;
}
if (r<0.49)
{
cout << "Hubungan korelasi moderat"; cin >> korelasi;
}
if (r<0.70)
```

{

cout << "Hubungan korelasi sedang"; cin >> korelasi;

}

if (r>0.70)

{

cout << "Hubungan korelasi sangat kuat"; cin >> korelasi;

}

}

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

int main(){
    float x[100],y[100],xy[100],x2[100],y2[100],korelasi,r;
    int i,banyak,sigmax,sigmay,sigmaxy,sigmax2,sigmay2;
    cout<<"Masukkan banyak data: ";
    cin>> banyak;

    for (int i = 0; i<banyak; i++){
    sigmax=0;
    sigmay=0;
    sigmaxy=0;
    sigmax2=0;
    sigmay2=0;
     cout<<"Masukkan nilai x: ";
     cin>>x[i];
     cout<<"Masukkan nilai y: ";
     cin>>y[i];
     xy[i]=x[i]*y[i];
     cout<<"Hasil kali x dan y"<<" "<< xy[i]<<endl;
     x2[i]=x[i]*x[i];
     cout<<"Hasil x^2: "<< " "<< x2[i]<<endl;
     y2[i]=y[i]*y[i];
     cout<<"Hasil y^2: "<< " "<< y2[i]<<endl;
     }
```

```
27      for (i=0 ; i<banyak ; i++)
28      {
29      sigmax=sigmax+x[i];
30      sigmay=sigmay+y[i];
31      sigmaxy=sigmaxy+xy[i];
32      sigmax2=sigmax2+x2[i];
33      sigmay2=sigmay2=y2[i];
34      }
35      cout<<"total sigma X adalah"<<sigmax<<endl;
36      cout<<"total sigma Y adalah"<<endl;
37      cout<<"total sigmaxy"<<sigmaxy<<endl;
38     cout<<"total sigmax^2"<<sigmax2<<endl;
39     cout<<"total sigma y^2"<<sigmay2<<endl;
40
41     if (r<0.09)
42  {
43  cout << "Hubungan korelasi diabaikan"; cin >> korelasi;
44  }
45  if (r<0.29)
46  {
47  cout << "Hubungan korelasi rendah"; cin >> korelasi;
48  }
49  if (r<0.49)
50  {
51  cout << "Hubungan korelasi moderat"; cin >> korelasi;
52  }
```

```
41     if (r<0.09)
42  {
43  cout << "Hubungan korelasi diabaikan"; cin >> korelasi;
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45  if (r<0.29)
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47  cout << "Hubungan korelasi rendah"; cin >> korelasi;
48  }
49  if (r<0.49)
50  {
51  cout << "Hubungan korelasi moderat"; cin >> korelasi;
52  }
53  if (r<0.70)
54  {
55  cout << "Hubungan korelasi sedang"; cin >> korelasi;
56  }
57  if (r>0.70)
58  {
59     cout << "Hubungan korelasi sangat kuat"; cin >> korelasi;
60  }
61 }
```

```
Masukkan banyak data: 2
Masukkan nilai x: 3
Masukkan nilai y: 4
Hasil kali x dan y 12
Hasil x^2:  9
Hasil y^2:  16
Masukkan nilai x: 5
Masukkan nilai y: 6
Hasil kali x dan y 30
Hasil x^2:  25
Hasil y^2:  36
total sigma X adalah8
total sigma Y adalah
total sigmaxy42
total sigmax^234
total sigma y^236
Hubungan korelasi diabaikan
```