LAPORAN STRUKTUR DATA UAS SEMESTER 2



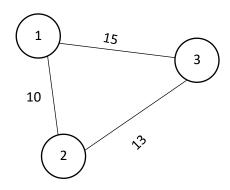
Au Izaldi Fachril Rahmadani 21091397026

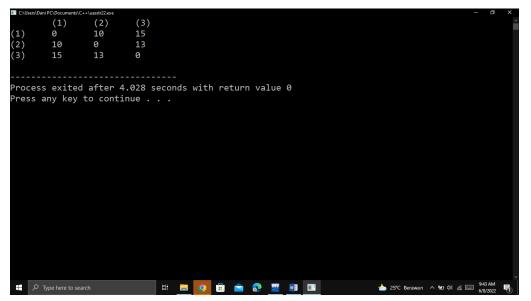
PRODI D4 MANAJEMEN INFORMATIKA MATKUL STRUKTUR DATA KELAS B UNIVERSITAS NEGERI SURABAYA

Nomor 1

```
36  int main(){
    int vertex = 3;
38
39
    inisialisaiMtx(vertex);
40
41    tambahEdge(2, 1, 10);
42    tambahEdge(3, 1, 15);
43    tambahEdge(3, 2, 13);
44
45    cetakMtx(vertex);
46
47
}
```

	(1)	(2)	(3)
(1)	0	10	15
(2)	10	0	13
(3)	15	13	0





Nomor 2

```
uasstr22.cpp uasstrd.cpp
              int n;
int tabel[100][100];
    int dijkstra(int awal, int akhir){
   int jarak[n];
   bool visit[n];
   int i, j, v;
                            }
//inistalisast dart jarak visit[] = false
for(t = 1; i <= n; i++){
    visit[i] = false;
}</pre>
     jarak[awal] = 0;
while(true){
   int u = -1;
   int jarakMin = infinite;
   //mencart vertex yang belum dikunjungi
   for(i = 1; i < = n; i++){
        if((visit[i] == false) && (jarak[i] < jarakMin)){
        u = i;
    }
}</pre>
     Θ
                                     u = i;

u = i;

jarakMin = jarak[i];

}
                                   //untuk mengakhiri perulangan while
if((u == -1) || (jarak[u] == infinite)){
    break;
     int awal, akhir;
int i, j;
                  printf("Masukkan Banyak Kota\t: ");
scanf("%d", &n);
                  for(i = 1; i <= n; i++){
    for(j = 1; j <= n; j++){
        scanf("kd", &tabel[i][j]);
    }
}</pre>
                   int jawab = 0, x;
//menggunakan perulangan agar bisa di tes berulang kali
while(jawab == 0){
printf( Kota Tempat Pedagang Berada\t: ");
scanf("dd', &awal);
printf( Kota Tempat Kastil\t\t: ");
scanf("dd', &akhir);
                         ulang:
    printf("Apakah ingin melanjutkan program? <y/n>");
    scanf("%s", 6x);
    if(x == 'y' | | x == 'Y') {
        javab = 0;
        } else if(x == 'n' | | x == 'N') {
            printf("Terima Kasth");
        javab = 1;
    }else{
        printf("Input salah masukkaan y atau n");
        goto ulang;
```

	(1)	(2)	(3)	(4)
(1)	0	20	0	5
(2)	20	0	15	0
(3)	0	15	0	10
(4)	5	0	10	0

