

LAMPIRAN C

```
org 0h

main: mov p0,#00h
      mov p1,#00h
      mov p2,#00h

cari: jb p1.1,kanan
      jb p1.0,kiri
      sjmp cari

kiri: call sch
      mov p2,#08h
      call sch
      call delay
      call sch
      mov p2,#04h
      call sch
      call delay
      call sch
      mov p2,#02h
      call sch
      call delay
      call sch
      mov p2,#01h
      call sch
      call delay
      call sch
      sjmp kiri

kanan:call sch
      mov p2,#01h
      call sch
      call delay
      call sch
      mov p2,#02h
```

```
call sch
    call delay
    call sch
    mov p2,#04h
    call sch
    call delay
    call sch
mov p2,#08h
    call sch
    call delay
    call sch
    sjmp kanan
```

```
sch: mov a,p1
      cjne a,#03h,awal
      sjmp cari
```

```
awal: ret
```

```
delay: call sch
        mov r0,#20h
        call sch
dly0: mov r1,#20h
      call sch
dly1: mov r2,#20h
      call sch
dly2: djnz r2,dly2
      call sch
      djnz r1,dly1
      call sch
      djnz r0,dly0
      call sch
      ret
```