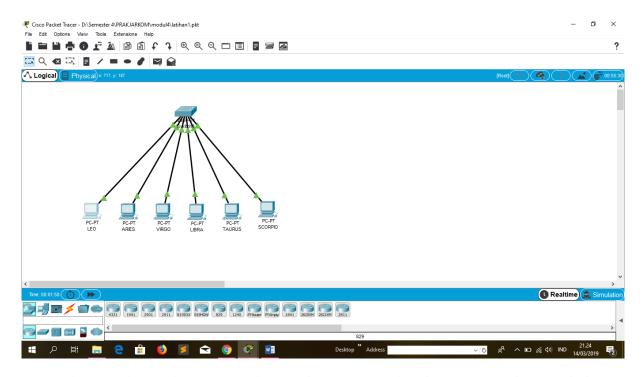
Nama : Risa Ayu Agustina

NIM : L200170049

Kelas : B

Modul: 4

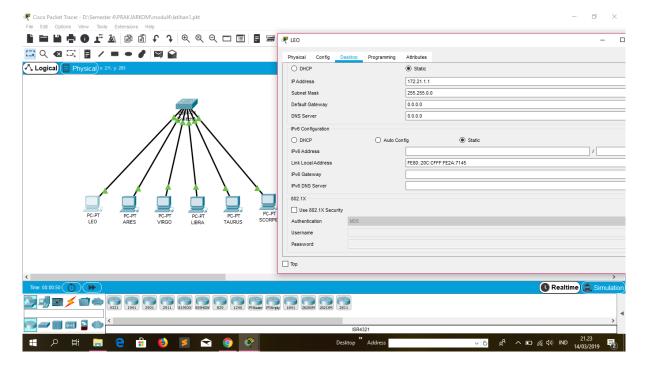
#### Latihan 1:



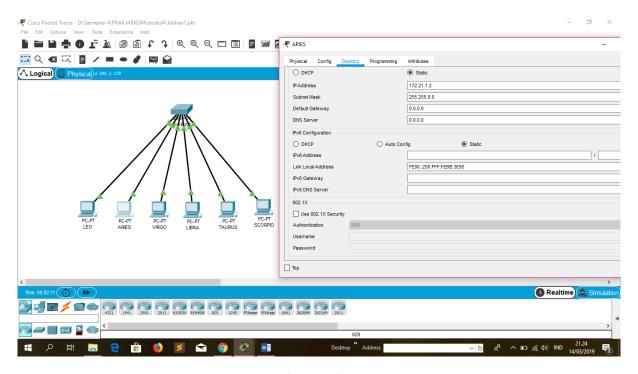
Menggunakan packet tracer membuat topologi seperti gambar diatas menggunakan switch. Dengan memberi nama masing-masing perangkat dengan :

# Pada SWI (Switch)

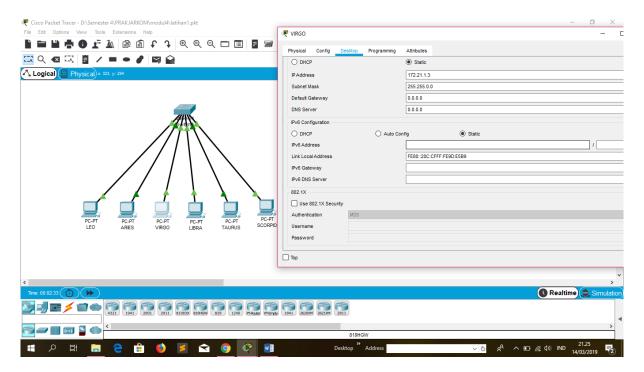
- *Leo (PC0)*
- Aries (PCI)
- Virgo (PC2)
- Pisces (PC3)
- Taurus (PC4), dan
- Scorpio (PC5)



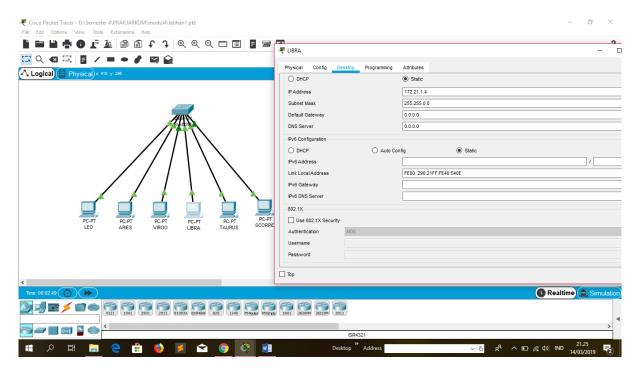
Memberikan IP Address pada PCO/LEO "172.21.1.1"



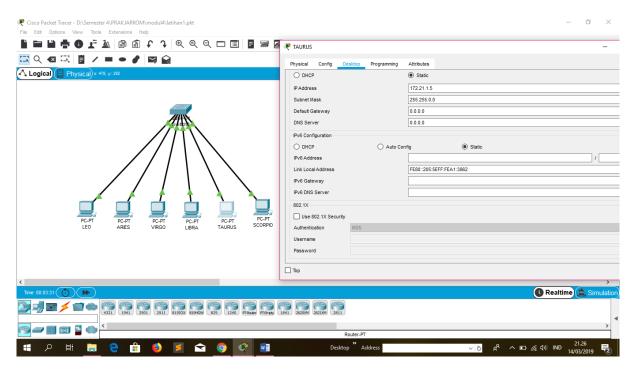
Memberikan IP Address pada PCI/ARIES "172.21.1.2"



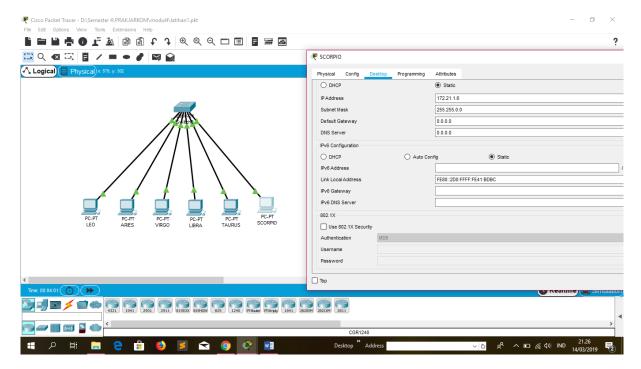
Memberikan IP Address pada PC2/VIRGO "172.21.1.3"



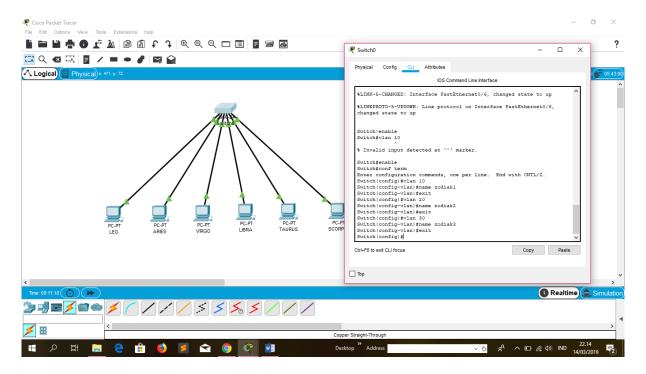
Memberikan IP Address pada PC3/LIBRA "172.21.1.4"



Memberikan IP Address pada PC5/TAURUS "172.21.1.5"



Memberikan IP Address pada PC6/SCORPIO "172.21.1.6"



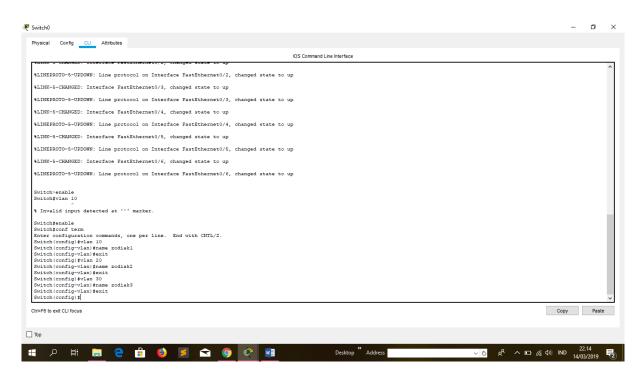
Mengkonfigurasi switch dengan mode user atau mode privileged, dengan membuat 3 VLAN dengan nama Zodiak1, Zodiak2, Zodiak3. Dengan cara:

- Klik pada SWITCH kemudian klik CLI, lalu menuliskan langkah pengoperasian seperti dibawah ini : (Sebelum ada tulisan SWITCH# maka kita harus melaukan operasi (CTRL+Z => ENTER sampai ada tulisan SWITCH#)), kemudian ketikan
  - a. Switch#enable

- b. Switch#conf term
- c. Switch(config)#vlan 10
- d. Switch(config-vlan)#nama zodiakl
- e. Switch(config-vlan)#exit
- f. Switch(config)#vlan 20
- g. Switch(config-vlan)#name zodiak2
- h. Switch(config-vlan)#exit
- i. Switch(config)#vlan 30
- j. Switch(config-vlan)#name zodiak3
- k. Switch(config-vlan)#exit

Pada mode Configurasi, konfigurasi port-port switch ke dalam VLAN sebagai berikut:

- Zodíakl = leo (0) dan líbra(4)
- Zodiak2 = aries (2) dan taurus(5)
- Zodiak3 = virgo (3) dan scorpio (6)



Masuk pada mode Configuration, kemudian:

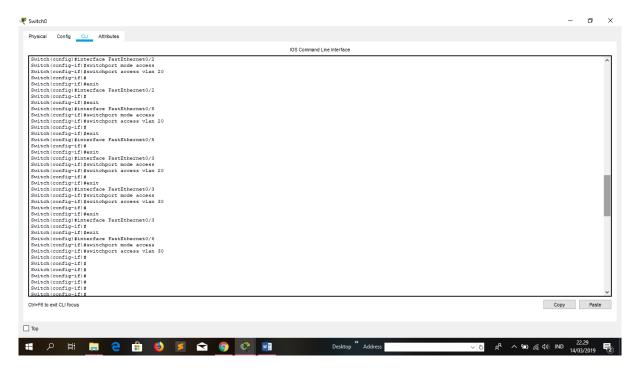
- a. Klik Fastethernet 0/1 (di Configuration)
- b. Kemudian kembali ke CLI lalu ketikkan, switchport mode access

- c. Ketik switchport access vlan 10
- d. Exit
- e. Klik Fastethernet 0/4 (di Configuration)
- f. Kemudian kembali ke CLI, lalu ketikkan switchport mode access
- g. Ketikkan switchport access vlan 10
- h. Exit



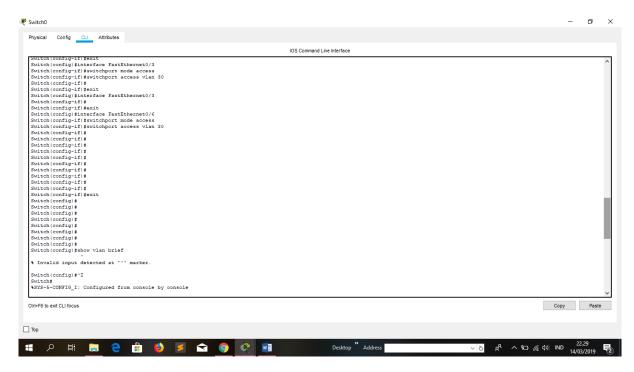
### Masuk pada mode Configuration, kemudian:

- a. Klik Fastethernet 0/2 (di Configuration)
- b. Kemudian kembali ke CLI lalu, ketikkan switchport mode access
- c. Ketik switchport access vlan 20
- d. Exit
- e. Klik Fastethernet 0/5 (di Configuration)
- f. Kemudian kembali ke CLI, lalu ketikkan switchport mode access
- g. Ketikkan switchport access vlan 20
- h. Exit



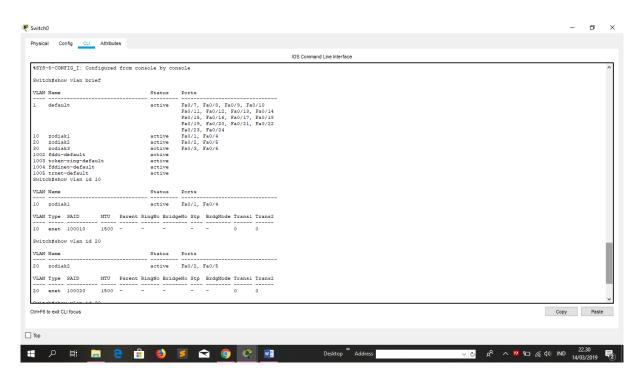
#### Masuk pada mode Configuration, kemudian:

- a. Klik Fastethernet 0/3 (di Configuration)
- b. Kemudian kembali ke CLI lalu ketikkan switchport mode access
- c. Ketik switchport access vlan 30
- d. Exit
- e. Klik Fastethernet 0/6 (di Configuration)
- f. Kemudian kembali ke CLI, lalu ketikkan switchport mode access
- g. Ketikkan switchport access vlan 30
- h. Exit



Kemudian ketikkan "Exit" kemudian enter sampe tulisan menjadi "Switch(config)#".

### Lalu, ketikkan show vlan brief.

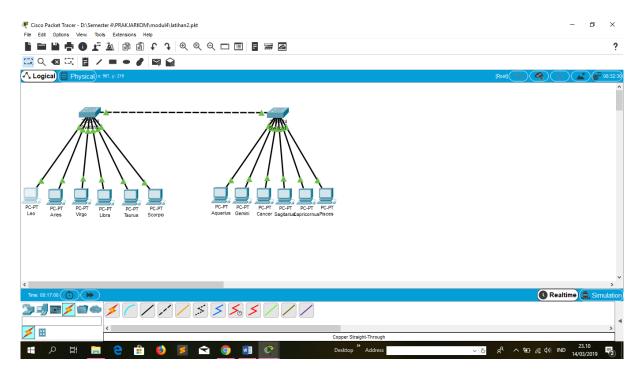


Ketikkan show vlan id 10 dan show vlan id 20 kemudian enter maka tampilan akan menjadi seperti itu.



Ketikkan show vlan id 30 kemudian enter maka tampilan akan menjadi seperti itu.

#### Latihan 2



Menggunakan cisco packet tracer membuat topologi seperti gambar diatas dengan menggunakan switch Catalyst 2950. Kemudian, memberi nama masing-masing perangkat sebagai berikut:

-Pisces (PCII)

 Pada SW1 (switch I)
 Pada SW2 (switch 2)

 • Leo (PC0)
 - Aquarius (PC6)

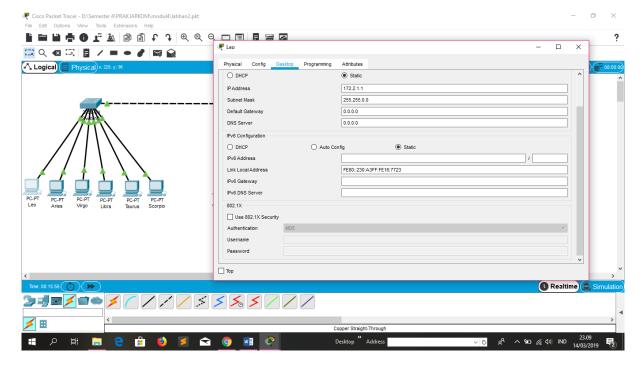
 • Aries (PCI)
 - Gemini (PC7)

 • Virgo (PC2)
 - Cancer (PC8)

 • Libra (PC3)
 - Sagitarius (PC9)

 • Taurus (PC4)
 - Capricornus (PC10)

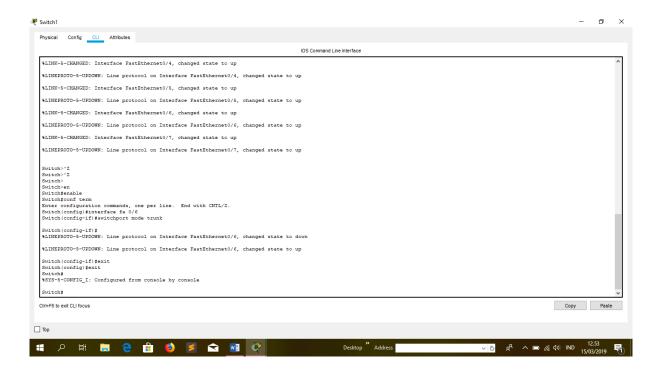
Scorpio (PC5)



# Memberian IP Address pada masing-masing PC dengan nama dan alamat IP berikut ini:

a. Leo = $172.2$	LI	./
------------------	----	----

- e. Taurus = 172.21.3.1
- f. Scorpio = 172.21.3.2
- g. Aquarius = 172.21.1.3
- h. Gemini = 172.21.1.4
- i. Cancer = 172.21.2.3
- j. Sagitarius = 172.21.2.4
- k. Capricorn = 172.21.3.3
- l. Pisces = 172.21.3.4



# Langkah konfigurasi VLAN Trunking pada SWITCH 2:

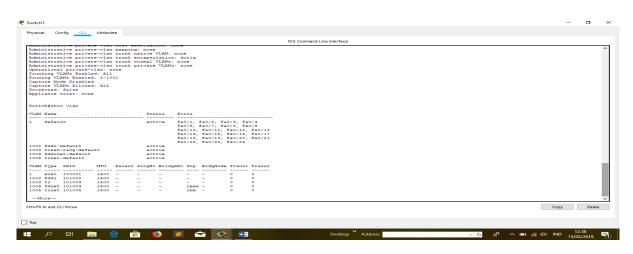
- l. Switch#enable
- 2. Switch#conf term
- 3. Switch(config)#interface fa 0/6
- 4. Switch(config)#switchport mode trunk
- 5. Switch(config-if)#exit
- 6. Switch(config-if)#exit
- 7. Switch(config)#
- 8. Switch



Pada mode user atau mode privileged, lihat konfigurasi trunking yang telah dibuat.

# Langkah penngoperasian:

- I. Tekan Enter
- 2. Masuk pada mode privileged
- 3. Ketikkan show interface fastethernet 0/7 switchport



Ketik show vlan

```
Popular Config Deathor Programming Admibutes

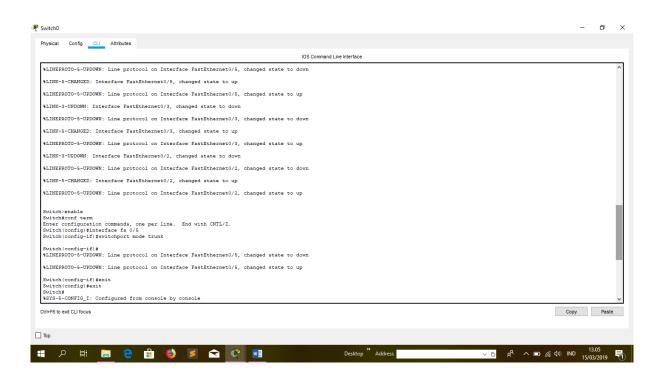
Communication Programming Admibutes

Secretar Traces Programming Admibutes

Communication 1.0
Cityping 172.21.3.4 with 32 bytes of data:

Request traced out.
Re
```

# Lakukan Ping dari PC Leo ke PC Pisces



# Langkah konfigurasi VLAN pada Switch 1:

- 1. Switch#enable
- 2. Switch#conf term

- 3. Switch(config)#interface fa 0/6
- 4. Switch(config)\*switchport mode trunk
- 5. Switch(config-if)#exit
- 6. Switch(config-if)#exit
- 7. Switch(config)#
- 8. Switch



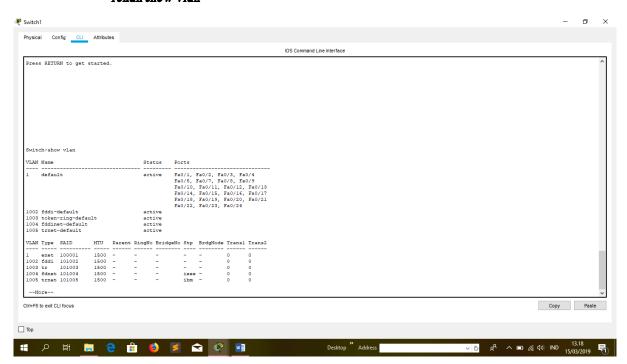
Pada mode user atau mode privileged, lihat konfigurasi trunking yang telah dibuat.

Langkah penngoperasian:

- 4. Tekan Enter
- 5. Masuk pada mode privileged
- 6. Ketikkan show interface fastethernet 0/7 switchport

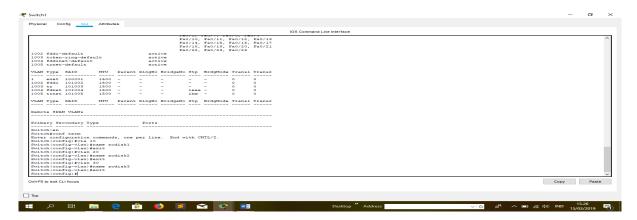


### Tekan show vlan

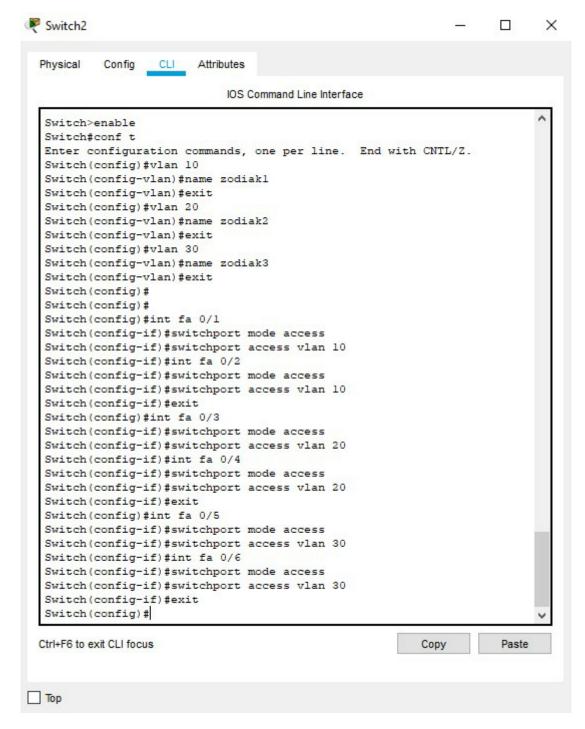


Langkah pengoperasian untuk melihat konfigurasi :

- a. Tekan enter
- b. Masuk pada CLI
- c. Ketik **show vlan**



- I. Switch#enable
- 2. Switch#conf term
- 3. Switch(config)#interface fa 0/6
- 4. Switch(config)#switchport mode trunk
- 5. Switch(config-if)#exit
- 6. Switch(config-if)#exit
- 7. Switch(config)#
- 8. Switch



Pada mode configuration, kofigurasi port-port switch ke dalam VLAN zodiak1, zodiak2, dan zodiak3 dengan anggota sebagai berikut:

- Zodiakl = aquarius dan gemini
- Zodiak 2 = cancer dan sagitarius
- Zodiak3 = capricornus dan pisces

```
Physical Config Peaking Programming Alfraudes

Command Prompt

Decket Timode DC Command Line 1.0

Chylling 172.21.1.4 with 32 bytes of data:

Request timed out.

Requ
```

Ping PC Leo ke PC Aries

```
Position Config Deathing Programming Affibules

Communical Thought

Subset Traces to Command Line 1.0
Colymping 272.21.3.4 With 32 bytes of data:

Request timed out.

Request timed out.

Request timed out.

Request timed out.

Replaces: Sent = 4, Recalved = 0, Lost = 4 (100% loss),
Colymping 272.21.1.3

Tangeing 172.21.1.3

Tangeing 172.21.1.3
```

Ping PC Leo ke PC Aquarius

```
Pypical Config Deathor Programming Altributes

Commontation for 172.12.3.4:
    Spackes: Samt = 4, Received = 0, Lost = 4 (100% loss),
    Chyping 172.12.1.3 with 32 bytes of data:
    Apquest timed out.
    Apquest timed out.
```

Ping PC Leo ke PC Pisces

```
Physical Config Dealloo Programming Altributes

Command Protect

Packet Tracer FC Command Line 1.0
Civipring 172.12.23
Tanging 172.12.23
T
```

Ping PC Libra ke PC Cancer

```
Physical Config Cesting Programming Allfbudes

Command Frompt

Packer Traces TO Command Line 1.0
C1\typing 172.21.2.3 withh 28 bytes of data:

Program T22.21.2.3 withh 28 bytes of data:

Program T22.21.2.3 withh 28 bytes of data:

Program T22.21.2.3:

Program T22.21.2.3:

Program T22.21.2.3:

Program T22.21.1.1 with 32 bytes of data:

Program T22.21.1.2 with 32 bytes of data:

Program T22.21.1.2 with 32 bytes of data:

Program T22.21.2.2 with 32 bytes of data:

Program T22.21.2.3 with 32 bytes of data:

Program T22.2.2.3 with 32 bytes of data:

Program T22.2.2.2 with 32 bytes of d
```

Ping PC Libra ke PC Leo