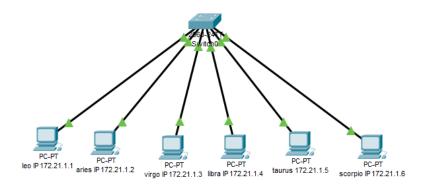
NAMA: DITA DENITA PRAMESTI

NIM : L200170139

KELAS : C

MODUL: 4

Kegiatan 1



# ➤ Membuat 3 vlan dengan nama zodiak1, zodiak2, zodiak3



## > Konfigurasi port pada vlan

- Zodiak1 : leo dan libra

- Zodiak2 : aries dan Taurus

- Zodiak3 : virgo dan scorpio

```
Switch#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#interface fa 0/1
Switch(config-if) #switchport mode access
Switch(config-if) #switchport access vlan 10
Switch(config-if)#exit
Switch(config) #interface fa 0/4
Switch(config-if) #switchport mode access
Switch(config-if) #switchport access vlan 10
Switch(config-if) #exit
Switch(config) #interface fa 0/2
Switch(config-if) #switchport mode access
Switch(config-if) #switchport access vlan 20
Switch(config-if)#exit
Switch(config) #interface fa 0/5
Switch(config-if) #switchport mode access
Switch(config-if) #switchport access vlan 20
Switch(config-if)#exit
Switch(config)#interface fa 0/3
Switch(config-if) #switchport mode access
Switch(config-if) #switchport access vlan 30
Switch(config-if) #exit
```

IOS Command Line Interface

```
Switch(config) #interface fa 0/6
Switch(config-if) #switchport mode access
Switch(config-if) #switchport access vlan 30
Switch(config-if) #exit
Switch(config) #exit
Switch#
%SYS-5-CONFIG_I: Configured from console by console
```

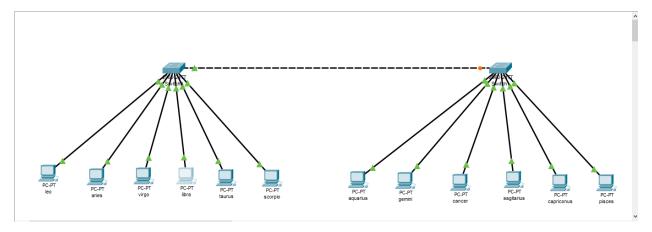
Menampilkan informasi vlan dengan 'show vlan brief' menampilkan semua informasi dan 'show vlan id ...'untuk menampilkan sesuai masing masing vlan.

```
%SYS-5-CONFIG_I: Configured from console by console
Switch#show vlan brief
VLAN Name
                              Status Ports
1 default active Fa0/7, Fa0/8, Fa0/9, Fa0/10
                                       Fa0/11, Fa0/12, Fa0/13, Fa0/14
                                        Fa0/15, Fa0/16, Fa0/17, Fa0/18
                                        Fa0/19, Fa0/20, Fa0/21, Fa0/22
                         Fa0/23, Fa0/2
active Fa0/1, Fa0/4
active Fa0/2, Fa0/5
active Fa0/3, Fa0/6
active
active
                                        Fa0/23, Fa0/24, Gig0/1, Gig0/2
10 zodiakl
20 zodiak2
30 zodiak3
1002 fddi-default
1002 fddi-derault
1003 token-ring-default
1004 fddinet-default
1005 trnet-default
                               active
Switch#show vlan id 10
VLAN Name
                               Status Ports
10 zodiakl
                               active Fa0/1, Fa0/4
VLAN Type SAID MTU Parent RingNo BridgeNo Stp BrdgMode Transl Trans2
 ---- ----- ------ ----- ----- -----
10 enet 100010 1500 - - -
Switch#show vlan id 20
VLAN Name
                               Status Ports
```



											IOS Command Line Interface
10								Ta0/24,	91g0/1,	01g0/2	
	zodia					ive					
	zodia					ive					
	zodia	ks default			act:	ive	rau/3,	rau/6			
			.1.		act:						
		-ring-defau et-default			act:						
		-default			act						
		w vlan id 1	LO		act.	ive					
VLAN	Name				Sta	tus	Ports				
10	zodia	KT			act:	ive	FaU/1,	raU/4			
VLAN	Type	SAID			RingNo			BrdgMode		Trans2	
10	enet	100010	1500	-	-	-	-	-	0	0	
Swit	ch#sho	w vlan id 2	20								
	Name					tus					
20	zodia	k2			act	ive	Fa0/2,	Fa0/5			
		SAID									
		100020									
Swit	chtsho	w vlan id 3	80								
VLAN	Name					tus					
30	zodia	k3			act	ive	Fa0/3,	Fa0/6			
		SAID									
		100030								0	
Swit	ch#										
2416											
Ctrl+F6	to exit C	LI focus									

#### Kegiatan 2



Leo = 172.21.1.1 Aquarius = 172.21.1.3

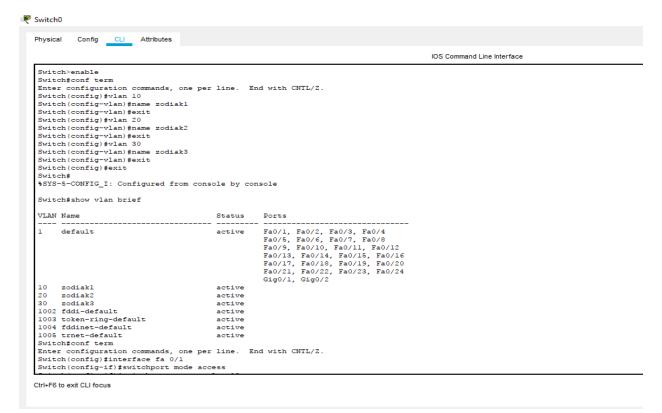
Aries = 172.21.1.2 Gemini = 172.21.1.4

Virgo = 172.21.2.1 Cancer = 172.21.2.3

Libra = 172.21.2.2 Sagitarius = 172.21.2.4

Taurus = 172.21.3.1 Capricornus = 172.21.3.3

Scorpio = 172.21.3.2 Pisces = 172.21.3.4





Physical Config CLI Attributes IOS Command Line Interface Enter configuration commands, one per line. End with CNTL/Z. Switch(config)#interface fa 0/1 Switch(config-if) #switchport mode access Switch(config-if) #switchport access vlan 10 Switch(config-if) #exit Switch(config)#interface fa 0/4 Switch(config-if) #switchport mode access Switch(config-if) #switchport access vlan 10 Switch(config-if)#exit Switch(config)#interface fa 0/2 Switch(config-if) #switchport mode access Switch(config-if) #switchport access vlan 20 Switch(config-if)#exit Switch(config)#interface fa 0/5 Switch(config-if) #switchport mode access Switch(config-if)#switchport access vlan 20 Switch(config-if)#exit Switch(config) #interface fa 0/3 Switch(config-if) #switchport mode access Switch(config-if) #switchport access vlan 30 Switch(config-if)#exit Switch(config)#interface fa 0/6 Switch(config-if) #switchport mode access Switch(config-if) #switchport access vlan 30 Switch(config-if) #exit Switch(config) #exit Switch# %SYS-5-CONFIG I: Configured from console by console Switch0 Physical Config CLI Attributes IOS Command Line Interface Switch#show vlan brief VLAN Name Status Ports active Fa0/7, Fa0/8, Fa0/9, Fa0/10 default Fa0/11, Fa0/12, Fa0/13, Fa0/14 Fa0/15, Fa0/16, Fa0/17, Fa0/18 Fa0/19, Fa0/20, Fa0/21, Fa0/22 Fa0/23, Fa0/24, Gig0/1, Gig0/2 10 zodiakl 20 zodiak2 30 zodiak3 active Fa0/1, Fa0/4 Fa0/2, Fa0/5 active Fa0/3, Fa0/6 active 1002 fddi-default 1003 token-ring-default 1004 fddinet-default 1005 trnet-default Switch#show vlan id 10 VLAN Name Status Ports 10 zodiakl active Fa0/1, Fa0/4 MTU Parent RingNo BridgeNo Stp BrdgMode Transl Trans2 VLAN Type SAID 10 enet 100010 1500 - - - 0 0 Switch#show vlan id 20 VI.AN Name Status Ports 20 zodiak2 active Fa0/2, Fa0/5 VLAN Type SAID MTU Parent RingNo BridgeNo Stp BrdgMode Transl Trans2 20 enet 100020 1500 -

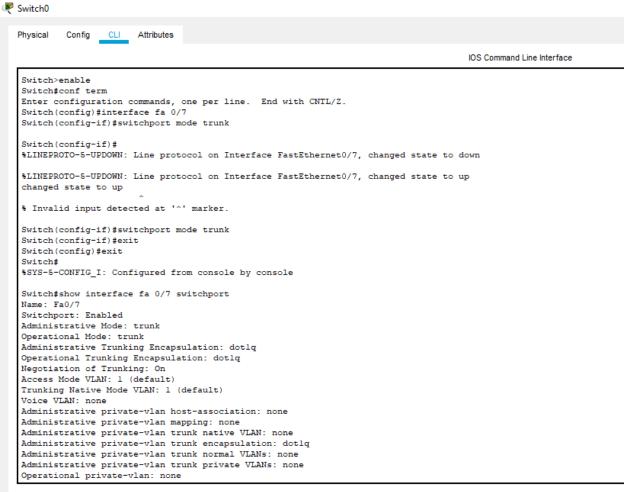
Ctrl+F6 to exit CLI focus

Switch#show vlan id 30



											IOS Command Line Interface
20 30	zodia zodia zodia fddi-	k2			act	ive ive ive		Fa0/5			
1004 1005	fddin trnet	-ring-defa et-default -default w vlan id	5		act act act	ive					
	Name						Ports				
10	zodia	kl			act	ive	Fa0/1,	Fa0/4			
		SAID						BrdgMode		Trans2	
		100010						-		0	
VLAN	Name	w vlan id				tus					
	zodia						Fa0/2,				
		SAID								Trans2	
		100020								0	
Swit	ch#sho	w vlan id	30								
	Name				Sta	tus	Ports				
VLAN	zodia	k3				ive	Fa0/3,	Fa0/6			
		SAID			_	Bridge	eNo Stp	BrdgMode	Transl	Trans2	
 30 VLAN								-	0	0	
30 VLAN		100030	1500	_							

#### Konfigurasi VLAN trunking pada switch 0



Ctrl+F6 to exit CLI focus

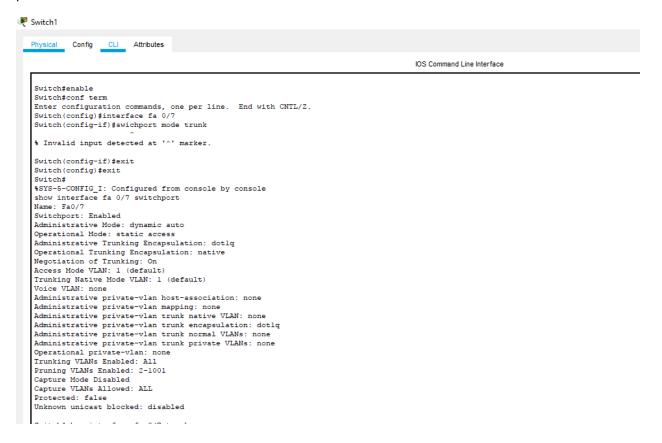


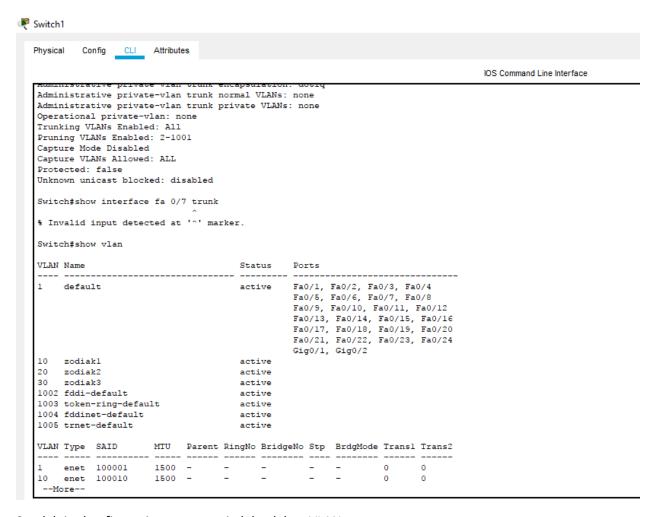
Physical Config CLI Attributes IOS Command Line Interface Switch#show interface fa 0/7 switchport Name: Fa0/7 Switchport: Enabled Administrative Mode: trunk Operational Mode: trunk Administrative Trunking Encapsulation: dotlq Operational Trunking Encapsulation: dotlq Negotiation of Trunking: On Access Mode VLAN: 1 (default) Trunking Native Mode VLAN: 1 (default) Voice VLAN: none Administrative private-vlan host-association: none Administrative private-vlan mapping: none Administrative private-vlan trunk native VLAN: none Administrative private-vlan trunk encapsulation: dotlq Administrative private-vlan trunk normal VLANs: none Administrative private-vlan trunk private VLANs: none Operational private-vlan: none Trunking VLANs Enabled: All Pruning VLANs Enabled: 2-1001 Capture Mode Disabled Capture VLANs Allowed: ALL Protected: false Unknown unicast blocked: disabled Switch#show interface fa 0/7 trunk % Invalid input detected at '^' marker. Switch#show interface fa 0/7 trunk % Invalid input detected at '^' marker. Switch#show vlan VLAN Name Status Ports 1 default active Fa0/8, Fa0/9, Fa0/10, Fa0/11 Ctrl+F6 to exit CLI focus

\_

```
Switch#show vlan
VLAN Name
                                   Status Ports
  default
                                   active Fa0/8, Fa0/9, Fa0/10, Fa0/11
                                            Fa0/12, Fa0/13, Fa0/14, Fa0/15
                                            Fa0/16, Fa0/17, Fa0/18, Fa0/19
                                            Fa0/20, Fa0/21, Fa0/22, Fa0/23
                                            Fa0/24, Gig0/1, Gig0/2
10
  zodiakl
                                   active
                                            Fa0/1, Fa0/4
20 zodiak2
                                           Fa0/2, Fa0/5
                                   active
   zodiak3
                                            Fa0/3, Fa0/6
                                   active
1002 fddi-default
                                   active
1003 token-ring-default
                                   active
1004 fddinet-default
                                   active
1005 trnet-default
                                   active
VLAN Type SAID
                  MTU Parent RingNo BridgeNo Stp BrdgMode Transl Trans2
  enet 100001 1500 -
enet 100010 1500 -
                              -
10
20 enet 100020 1500 -
                                                            0
                                                                   0
                   1500 -
30
   enet 100030
--More--
```

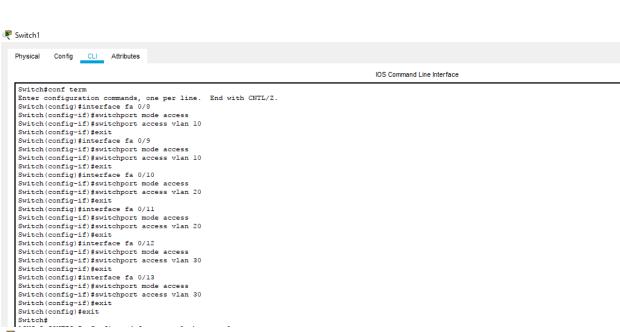
Kemudian beralih ke switch 1, lakukan konfigurasi VLAN trunking dan selanjutnya lihat konfigurasi VLAN pada switch 1





#### Setelah itu konfigurasi port port switch ke dalam VLAN

```
Switch>enable
Switch#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config) #vlan 10
Switch(config-vlan) #name zodiakl
Switch(config-vlan) #vlan 20
Switch(config-vlan) #exit
Switch(config) #vlan 20
Switch(config-vlan) #name zodiak2
Switch(config-vlan)#exit
Switch(config) #vlan 30
Switch(config-vlan) #name zodiak3
Switch(config-vlan)#exit
Switch(config)#exit
Switch#
%SYS-5-CONFIG I: Configured from console by console
```



🤻 Switch1

Physical Config CLI Attributes

IOS Command Line Interface

chow	vlan brief	-		103 Command Line Interface
SIIOW	VIGH DITEL			
VLAN	Name	Status	Ports	
1	default	active	Fa0/1, Fa0/2, Fa0/3, Fa0/4	
			Fa0/5, Fa0/6, Fa0/7, Fa0/14	
			Fa0/15, Fa0/16, Fa0/17, Fa0/18	
			Fa0/19, Fa0/20, Fa0/21, Fa0/22	
			Fa0/23, Fa0/24, Gig0/1, Gig0/2	
10	zodiakl	active	Fa0/8, Fa0/9	
20	zodiak2	active	Fa0/10, Fa0/11	
30	zodiak3	active	Fa0/12, Fa0/13	
1002	fddi-default	active		
1003	token-ring-default	active		
1004	fddinet-default	active		
1005	trnet-default	active		

# Show vlan id 10,20,30

VLAN	Name					atus				
10	zodia	k1				ive				
VLAN		SAID			RingNo	Bridge	No Stp	BrdgMode	Transl	Trans2
10		100010			-	-	-	-	0	0
Swite	ch#sho	w vlan id 2	20							
VLAN	Name					atus	Ports			
20	zodia	k2				ive	Fa0/10,	Fa0/11		
VLAN		SAID			_	_	_	_		Trans2
20		100020								0
Swite	ch#sho	w vlan id 3	80							
VLAN	Name					atus				
30	zodia	k3						Fa0/13		
	Type	SAID	MTU	Parent	RingNo	Bridge	No Stp	BrdgMode	Transl	Trans2
VLAN										

## Show vlan

VLAN	Name				Stat	tus Po	rts			
1	defau	lt			act:	Fa Fa Fa	0/5, 0/15, 0/19,	Fa0/2, Fa Fa0/6, Fa Fa0/16, Fa0/20, Fa0/20, Fa0/20	0/7, Fa Fa0/17, Fa0/21,	0/14 Fa0/18 Fa0/22
10	zodia	k1			acti	ra ive Fa		Fa0/24, (	G1g0/1,	Gigu/2
	zodia					ive Fa				
	zodiak3					ive Fa				
1002						ive		-		
1003	token	-ring-defa	ault		act	ive				
1004	fddin	et-default	t		act	ive				
1005	trnet	-default			act	ive				
VLAN	Туре	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode	Transl	Trans2
1	enet	100001	1500	-	-	-	_	-	0	0
10	enet	100010	1500	_	_	_	_	_	0	0
20	enet	100020	1500	_	_	_	_	_	0	0
20										

Kemudian lakukan ping untuk mengetahui setiap PC apakah tersambung.

