

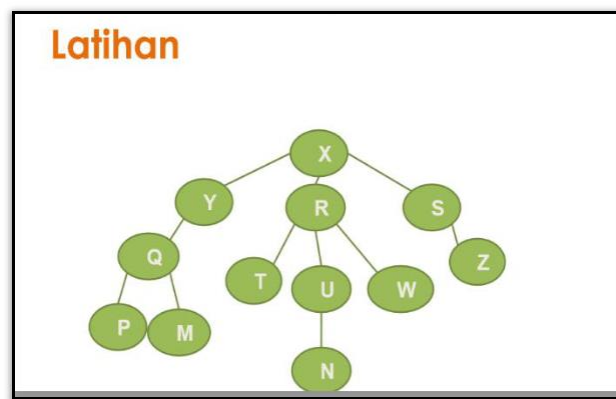
Nama : Reza Kurnia Setiawan  
Kelas : D4 Manajemen Informatika'A 19

NIM : 19051397021

Mata Kuliah : Struktur Data

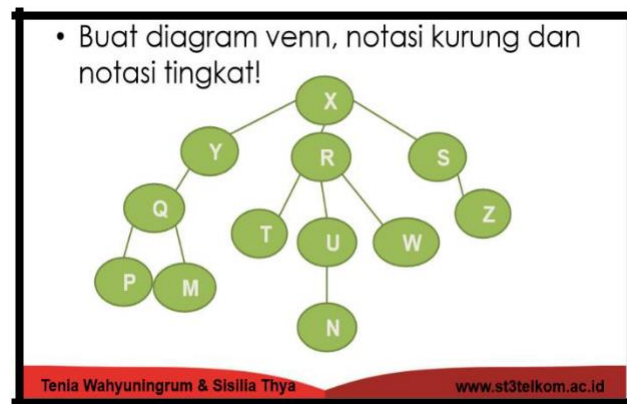
## TREE

1.



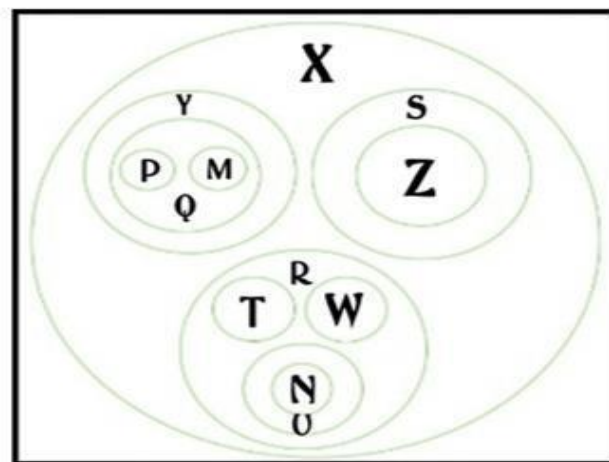
Ancestor (U)	:X,R
Descendant (T)	: -
Parent (Y)	: X
Child (R)	:T,U,W
Sibling (U)	:T,W
Size	: 12
Height	: 4
Root	: X
Leaf	:P,M,N
Degree (T)	: -

2.



a. Diagram venn

Kharismaharani Aisyah P. |



Notasi kurung

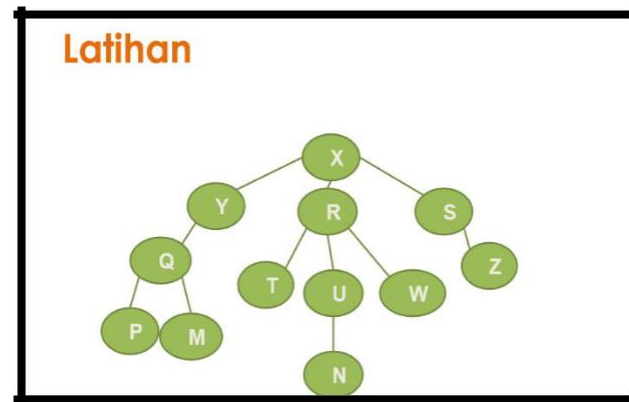
$(X(Y(Q(P,M))), (R(T(U(N))W)), (S(Z)))$

c. Notasi Tingkat

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X			
	Y		
		Q	
			P
	R		M
		T	
		U	N
		W	
	S		
		Z	

3.



**Identifikasikan !**

- Ancestor (N) =
- Descendant (Y) =
- Parent (Z) =
- Child (Q) =
- Sibling (U) =
- Size =
- Height =
- Root =
- Leaf =
- Degree (R) =

Ancestor (N) : U,R,X

Descendant (Y) : Q,P,M

Parent (Z) : S

Child (Q) : P,M

Sibling (U) : T,W

Size : 12

Height : 4

Root : X

Leaf : P,M,N

Degree (R) : 3

4.

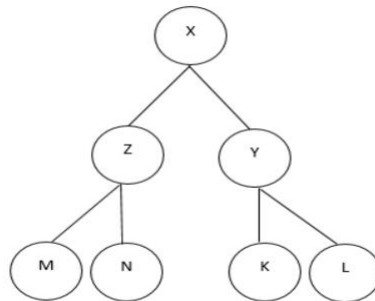
## Latihan

- Gambarkan pohon biner dengan ketentuan sbb :

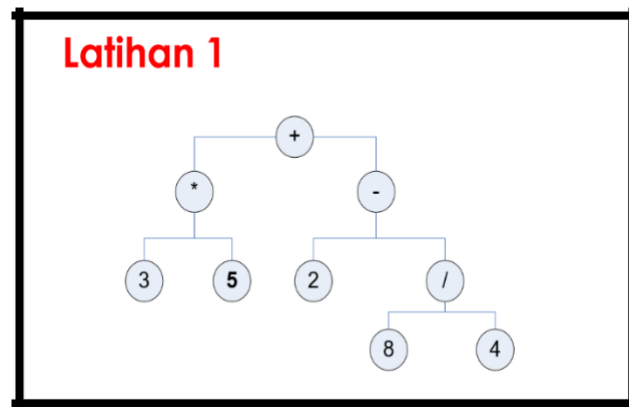
- Ancestor (M) = Z, X
- Descendant (Y) = K, L
- Parent (N) = Z
- Child (Z) = M, N
- Sibling (Y) = Z
- Size = 7
- Height = 3
- Root = X
- Leaf = K, L, M, N

Maka, pohon biner :

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Telusuri pohon biner berikut dengan menggunakan metode pre, in, post! a.

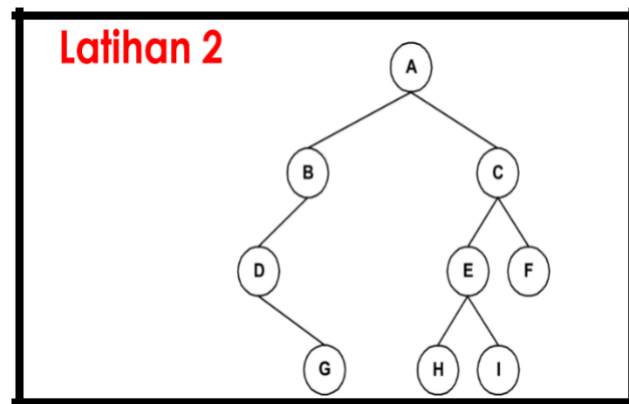


Preorder : +\*35-2/84

Inorder : 3\*5+2-/84

Postorder : 35\*84/2-+

b.



Preorder : abdgcehif

Inorder : dgbaheicf

Postorder : gdbhiecfca