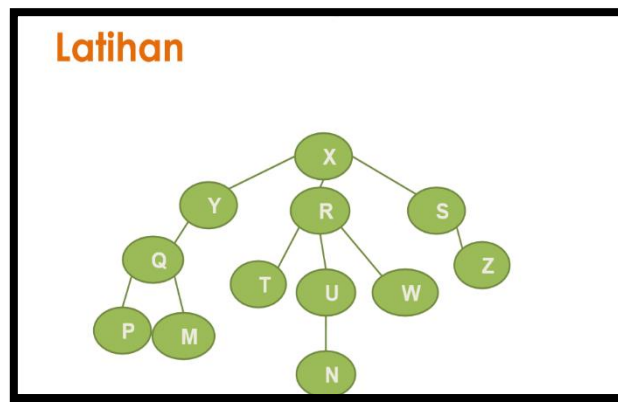


Nama : Kharismaharani Aisyah P.
Kelas : D4 Manajemen Informatika'A 19
NIM : 19051397015
Mata Kuliah : Struktur Data

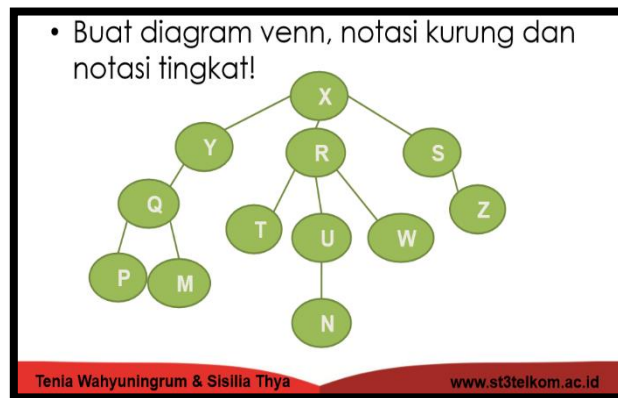
TREE

1.



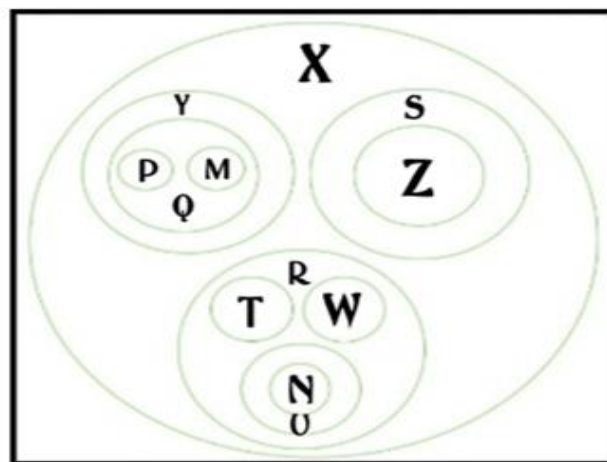
Ancestor (U) : X, R
Descendant (T) : -
Parent (Y) : X
Child (R) : T, U, W
Sibling (U) : T, W
Size : 12
Height : 4
Root : X
Leaf : P, M, N
Degree (T) : -

2.



a. Diagram venn

Kharismaharani Aisyah P. |



b. Notasi kurung

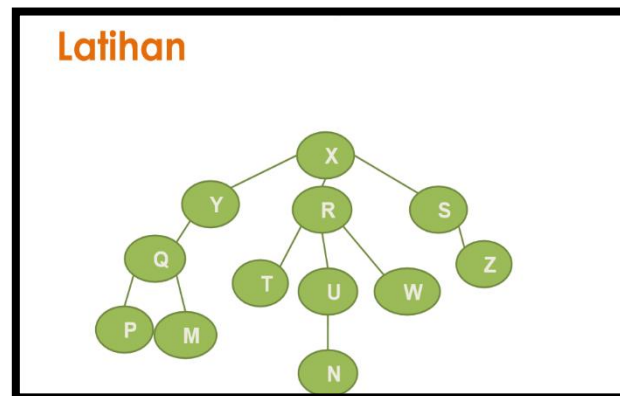
$(X(Y(Q(P,M))), (R(T(U(N))W)), (S(Z)))$

c. Notasi Tingkat

Kharismaharani Aisyah P.

X			
	Y	Q	P
			M
	R	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

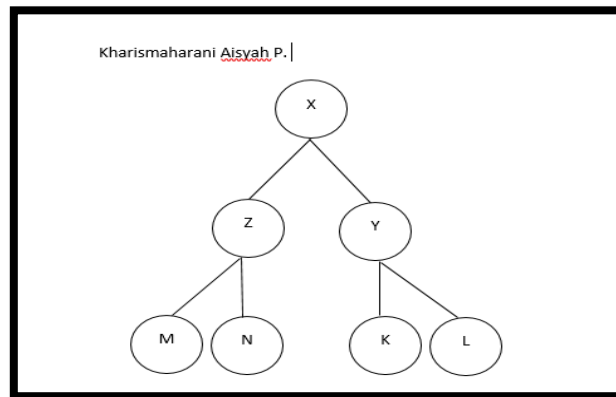
4.

Latihan

- Gambarkan pohon biner dengan ketentuan sbb :

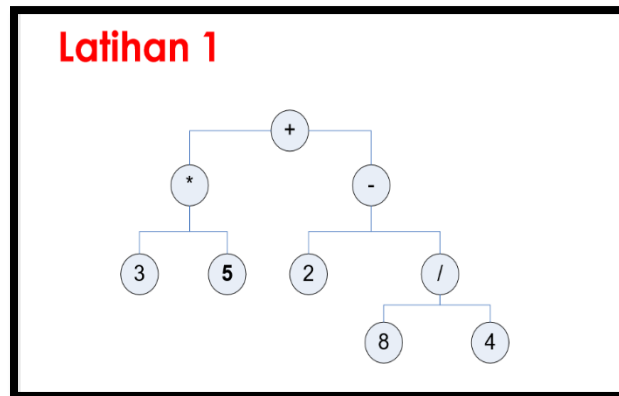
- Ancestor (M) = Z, X
- Descendant (Y) = K, L
- Parent (N) = Z
- Child (Z) = M, N
- Sibling (Y) = Z
- Size = 7
- Height = 3
- Root = X
- Leaf = K, L, M, N

Maka, pohon biner :



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

a.

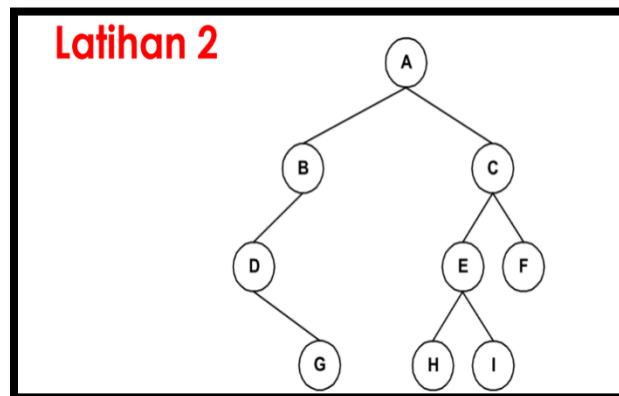


Preorder : $+*35-2/84$

Inorder : $3*5+2-/84$

Postorder : $35*84/2-+$

b.



Preorder : abdgcehif

Inorder : dgbaheicf

Postorder : gdbhiefca