

LAPORAN ACTIVITY

Mata Praktikum : Perancangan Analisis Algoritma
Kelas : 3IA24
Praktikum ke- : 4
Tanggal : 10 November 2023
Materi : Algoritma DFS & BFS
NPM : 50421704
Nama : Juan Samuel Christopher
Ketua Asisten : Sherina Permata
Nama Asisten :
Paraf Asisten :
Jumlah Lembar : 4

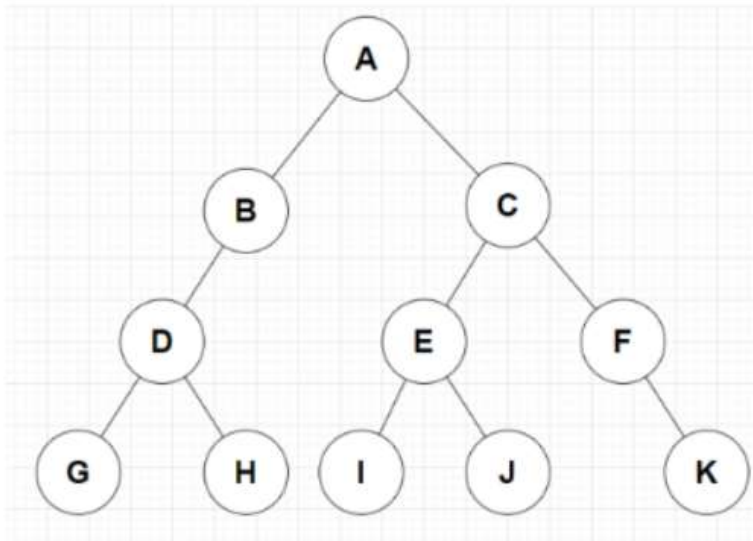


LABORATORIUM TEKNIK INFORMATIKA

UNIVERSITAS GUNADARMA

2023

SOAL



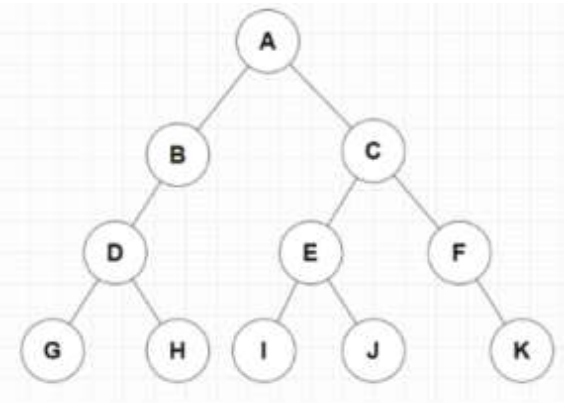
Node Start : A

Note End : D → untuk *Depth First Search*

Node End : K → untuk *Breadth First Search*

Carilah visit order menggunakan *Depth First Search* dan *Breadth First Search*!

Depth First Search



Node Start : A

Node End : D

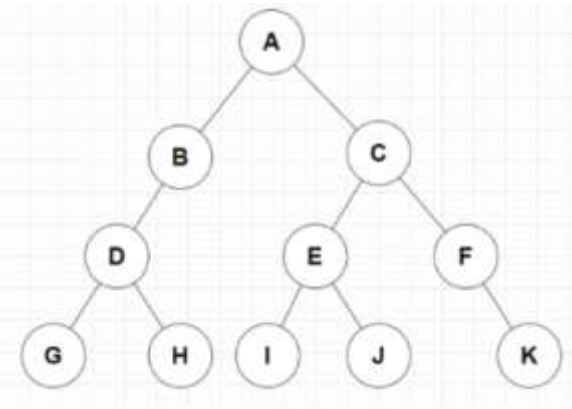
Stack (LIFO/Last In First Out)

A								
B	C							
B	E	F						
B	E	K						
B	E							
B	I	J						
B	I							
B								
D								

Visit Order

A	C	F	K	E	J	I	B	D
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Breadth First Search



Node Start : A

Node End : K

Queue (FIFO/First In First Out)

A										
B	C									
C	D									
D	E	F								
E	F	G	H							
F	G	H	I	J						
G	H	I	J	K						
H	I	J	K							
I	J	K								
J	K									
K										

Visit Order

A	B	C	D	E	F	G	H	I	J	K
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