**ACTIVITY**

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TANGGAL : Sabtu, 13 November 2021

MATERI : QUEUE

PERTEMUAN : ke - 5

MATA PRAKTIKUM : Struktur Data



# LABORATORIUM TEKNIK INFORMATIKA UNIVERSITAS GUNADARMA

**2021**

**QUEUE**

1. Insert(Q) = {A, B, C, D}

A

B

C

D

Front(Q) = A

Rear(Q) = D

Noel(Q) = 4

1. Insert(Q) = {E, F, G, H}

A

B

C

D

E

H

G

F

Front(Q) = A

Rear(Q) = H

Noel(Q) = 8

1. Remove(Q)

B

C

D

E

H

G

F

Front(Q) = B

Rear(Q) = H

Noel(Q) = 7

1. Insert(Q) = {I}

I

B

C

D

E

H

G

F

Front(Q) = I

Rear(Q) = H

Noel(Q) = 8

1. Insert(Q) = {J. K}

I

B

C

D

E

H

G

F

Front(Q) = I

Rear(Q) = H

Noel(Q) = 8

**OVERFLOW**

**DEQUEUE**

1. Insert (Left(Q)) = {O, P}

P

O

Left(Q) = P

Right(Q) = O

Noel(Q) = 2

1. Insert (Right(Q)) = {Q, R}

P

O

Q

R

Left(Q) = P

Right(Q) = R

Noel(Q) = 4

1. Remove (Right(Q))

P

O

Q

Left(Q) = P

Right(Q) = Q

Noel(Q) = 3

1. Insert (Left(Q)) = {S, T, U}

T

S

P

O

Q

U

Left(Q) = U

Right(Q) = Q

Noel(Q) = 6

1. Insert (Right(Q)) = {V, W}

T

S

P

O

Q

U

W

V

Left(Q) = U

Right(Q) = W

Noel(Q) = 8