

No.:

Date:

Nama : LUSI AMALIYAH TUL HIDAYAH

Nim : 20090039

Kelas : 2C

① Insertion sort

Data = 25, 7, 9, 13, 3

- Pointer = 1

\* Pointer lebih kecil dari indeks sebelumnya  
maka ditukar

= 25 7 9 13 3

= 7 25 9 13 3

= 7 9 25 13 3

= 7 9 13 25 3

= 7 9 13 3 25

= 7 9 3 13 25

= 7 3 9 13 25

= 3 7 9 13 25

Date:

## ② Bubble sort

25    7    9    13    3

i = 1    J4    25    7    9    13    3

      J3    25    7    9    3    13

      J2    25    7    3    9    13

      J1    25    3    7    9    13

i = 2    J4    25    3    7    9    13

      J3    3    25    7    9    13

      J2    3    7    25    9    13

i = 3    J4    3    7    25    9    13

      J3    3    7    9    25    13

i = 4    J4    3    7    9    25    13

Akhir    3    7    9    13    25



③ selection sort

25, 7, 9, 13, 3

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3, 7, 9, 13, 25

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3, 7, 9, 13, 25

└───┘

3, 7, 9, 13, 25

└───┘

3, 7, 9, 13, 25

└───┘

Hasil Akhir 3, 7, 9, 13, 25

No.:

Date:

④ shell sort

25 , 7 , 9 , 13 , 3

Jarak 2 = 25 , 7 , 9 , 13 , 3

= 

3		9		3
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Jarak 1 = 

3	7	9	13	25
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Hasil Akhir = 3 , 7 , 9 , 13 , 25



No.:

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7) Insertion sort x binary search

25, 7, 9, 13, 3

$i = 1$

$j = 1 - 1$ , Jadi data indeks dibandingkan  
dg data indeks 0

= 25, 7, 9, 13, 3 =  $i++ = 2$

= 7, 25, 9, 13, 3 =  $i++ = 3$

= 7, 9, 25, 13, 3 =  $i++ = 4$

= 7, 9, 13, 3, 25

= 7, 9, 3, 13, 25

= 7, 3, 9, 13, 25

= 3, 7, 9, 13, 25

Hasil sorting = 3, 7, 9, 13, 25