(Duffo #9719)

Masalah: Bambang bekerja di toko kue yang
menjual muffin, Bambang disuruh
menyortir muffin yang terjual dalam
Seminggu mulai dari yang terjual terdikit,
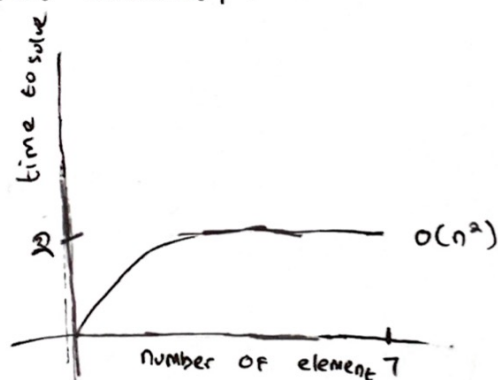dalam seminggu terjual (15, 17, 10, 5,
20, 12, 16)

Insertion Sort:

Worst Case : (15,17,10,5,20,12,16) $O(n^2)$

PsuedoCode :

1. Look at the 7 selled muffin count
2. Set a mark on the first element
3. Move the mark to the next element
4.   If the nett Element < Previous element
5.   Swap the smaller element to the left
6. Else
7.   don't swap
8. Go Back to line 3
9. If numbers are Sorted
10. Quit

Plot Complexity :

Bubble Case
Worst case (15, 17, 10,5, 20, 12,16)
PsedoCode :

1. Look at the 7 selled muffing count
2. Set a mark on first two elements
3. If one of the elements is smaller than the
   other selected elements, swap the elements
4. else,
5. dont Swap
6. else if the selected markers have done the
   Swap, move the marker to the next element
7. If marker reaches the end
8. Go Back to line 3
9. If numbers Sorted
10. Quit

Plot Complexity:

$O(n^c)$