Johihan 2	
	dengon not 1 don (=1
10,13,6,10,15 7(n)=an2+bn+c	
Description of the second of t	7) $T(n) = 1^{k} + 2^{k} + + n^{k} = O(n^{k+1/2})$
93 19910101	1) Youalikan Stuntuk and acrea
rumus ahc maka:	1 aton 1 2 1 2 1 (10 = 1 (=1)
	1) atou 1 < 1 × 11 (0 = 1 (= 1)
1, 20=21 30+b=1 a+b+c=0	
0=12 3.12+5:1 13+(-12)+(=0	P) T(n) = 5 log (3°) = U(n)
b=-112 4:0	U) Grafik T(n)= Slag(3") Us T(n)=n
4 Selingo, T(n)=1/2 n2 1-1/2 n +0	110) 5 log (3°)
1) T(n) = 5 = 0(1)	
by Perhatikan untuk nyi ketika (=6	
5 4 6.1	
5 2 0.1	
1) - 0(9-1)/ 1 00 2	
1) T(n) = n(n-1)/2 +n-1 = O(n2)	1) T(n)=n TIDAK alon pernoh 2: alos
1) Purphikan untik n > 1 maka n2-n2n2	5 log (3) utk n> D rehingga punyo-
don n-1 < n2/2 ((=1) sehingga	toomya shuati
Us (201-1) + 1 -1 ≤ (1 <sup>2</sup> + 1 <sup>2</sup> + 1 <sup>2</sup> + 1 = 1	
2 - 2 2 =	g) T(n)=log(n!)=0(nlog(n))
	1) Grafik Tin)=log(n!) Us Then log(n)
4) T(n): 6.2° + 20° = 0(2°)	17(1) n.log(n)
us Derhopiton bahura ukk nz1 maka	log(n!)
22 4 202 4 2.2 (na 1) sepinaga	
1, 6.2° + 202 4 6.2° + 2.2° = 8.2°	
dengon (= 8	
	1) Punction use 121
5) T(n) = 1 +2 + + n = 0(n2)	lug (11) < 1. log(1)
13 MIX 121 maka	tengon mengembil C=1 don no=1, maka
1 + 2+ 3+4+ +0 < 0+0+0++0+07	(10)= (0a(h1) = 0 (1 log(n))
dengon nued den c=1	
6) T(n) = n1 = O(n2)	
is perhatikan bahura utk n>1 berlety	
0!=1.2.3.4 40.0.0	