KELOMPOK 8

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	Date:
	an = n
	3n-1
□ ¥	Ketonvergenan .
	lim n = 1 -> tonuergen
	n->∞ 3n-1 3
*	Kemonotonan
	an-anti = n - nti
	311-1 3(11-1)-1
	= N - N+1
	3n-1 3n+3-1
	Ta - n - n+1 - (15) 22 - 1'
	3n-1 3n+2
	- n(3n+2) - (n+1)(3n-1)
	(3·n-1) (3 n+2)
	$= 3n^2 + 2n - (3n^2 + 3n - n - 1)$
	9n2+6n-3h -Z
	$= 3n^2 + 2n - 3n^2 - 2n + 1$
	9n2 + 3n - 2
	= 1 Jurun
	9n ² +3n-2
2.	$Qn = n^3 + 3n^2 + 3n$
	$(n+1)^3$
□ ★	Ketonvergenan
	$\lim_{n \to \infty} n^3 + 3n^2 + 3n^2 + 6n + 3$
	now (n+1)3 now 3(n+1)2
	- lim 3n2+6n+3
	n-20 3 (n3+ 2n+1)
	1 = lim - 3n2+8n+3
	had 3n2+6n+3
	= 1 -0 tonvergen
ALC: N	

	Date:		
\ *	Kemonotenan		
	$\frac{n^3+3n^2+3n}{(n+1)^3+3(n+1)^2+3(n+1)}$		
	$(n+1)^3$ $(n+1+1)^3$ $(n+1)^3$		
	$n^{3} + 3n^{2} + 3n - (n+1)^{3} + 3 \cdot \frac{(n+1)^{2} + 3 \cdot \frac{(n+1)^{2}}{3}}{3}$		
	$\frac{(n+1)^{3}}{(n+1)^{3}} - \frac{(n+1)^{3} + 3(n+1)^{2} + 3(n+1)^{3}}{(n+1)^{3}} - \frac{(n+1)^{3} + 3(n+1)^{2} + 3(n+1)^{2} + 3(n+1)^{3}}{(n+1)^{3}} - \frac{(n+1)^{3} + 3(n+1)^{2} + 3(n+1)^{3}}{(n+1)^{3}} - \frac{(n+1)^{3} + 3(n+1)^{2} + 3(n+1)^{3}}{(n+1)^{3}} - \frac{(n+1)^{3} + 3(n+1)^{3}}{(n+1)^{3}} - \frac{(n+1)^{3}}{(n+1)^{3}} - \frac{(n+1)^{3}}{(n+$		
	$(n^3+3n^2+3n)(n+2)^3-(n+2)^3$		
	$\frac{(n^3+3n^2+3n)(n+2)^3-(n+2)^3}{(n+1)^3(n+2)^3}$		
	-3n2-91-7 / O nait		
	$(n^2+3n+1)^3$		
	DT 41-7-1 4 COS NTT 41		
3.	(In = cos (ntr) -0 -1 4 cos ntr 41 -0 -1 4 cos ntr 41		
×	Ketonvergenon Lim 1 = 0 = 0 konvergen te 0		
	C(11) = 1 = 0		
	11-200 17 11-200 11		
×	Kemonotonan		
	COS NIT _ COS (n+1).TT		
	n n+1		
	n n+1 (n+1)(cos nti) - (cos (n+1)ti).n = v tidat nait dan tidat turun		
	ni +n,		
	no strain and		
4.	$Qn = e^{-n} \sin n$		
<u></u> →	(lim (e-n en(n)) = (im (sin (n)) = 0 (tunvergen)		
	MAIL (6 SULCIA) = MILL		
 	Kemontohon		
	$e^{-n}\sin(n) = e^{-(n+1)} \cdot \sin(n+1)$		
	= e-n-1 . sin (n+1)		
	= esin(n) - an(n+1) > Turun		
	e ^{nt} l		
	0190190101 C- E		
	TO FEE		

	Date:		
(5-)	an = 1		
□ *	Kekonvergenan .		
	lim 1 = 0 (tonvergen)		
	now n3		
>			
	$\frac{Qn}{Qn+1} = \frac{n^3}{(n+1)^3} = \frac{(n+1)^3}{n^3} = \frac{n^3+3n^2+3n+1}{n^3}$		
	$= 1 + \left(\frac{3n^2 + 3n + 1}{n^3}\right) > 1 + 1 + 1 + 1$		
	- (3/n3)) turun		
	Rarilah Rumus Eksplisit		
6.	1 1 , 1 ,		
	22 23 29		
	Un = a. r n-1 (lm = 0 (konverge		
	= 1 ./1 \n-1 h-700 2 n+1		
	21 (2)		
	= 1 . 1		
	2 2 0-1		
	= 1 = 1		
	2 2+17-1 2 7+1		
7.	sin 1, 2 sin 2, 3 sin 3, 4 sin à,		
	an = n. sin h; n=1,2,3,		
**	led		
	lim n. sin $1 - 0$ lim $\frac{1}{1}$. sin $t = 1$		
	170 too t		
	:. an = n. sin = 1 (tonvergen		
	TOTAL		

No. Date 0,1,0,11,0,111,0,111,... 8. LP. & (0,9;0,99;0,999;...) Kekonvergenan lim nod