KELOMPOK 8

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	Peritsa tetoniergenan deret yang diberitan dan sebuttan jenis usi		
	Yang digunatan:		
(II)			
	3n+1 - 3n < 3n+1 [Wil Banding]		
	3 ≤ 3n t1		
	n n'-4		
	Z 3 = 3 Z 1 pharmonik		
	2 n In monit		
	= divergen		
	: kaiena 37 4 30-4 don 30 merupakan deret divergen mata		
	niny merupatan deret divergen.		
2.	2 n [Vii Bonding Limit]		
	n=1 h ² tan-3		
	$an \leftarrow n \iff n \iff n = 1 + tonvergen$		
	n'+xn-3 n'+2n n' (b)		
	L= lim an = lim n - n		
	N-200 bn N-200 N2+2N-3		
	= lim n ²		
	n-100 n ² +2n-3		
	21 => 0 < L < D		
	: Ean don z bn teduanya tonvergen / divergen, tarena		
	Z bn divergen maka Z an divergen		
3.	<u>₹ n!</u>		
	N=1 N100		
	(2 - 1im On+1		
	= lim (n+1)! . n 100		
	11-00 (MI) 100 N ;		

1 n== (n+1)100	[Wi Hasil Bagi]
1 = 1im h 100 000	T (0) Flash 15431]
U-370 (U+1) 100	
(H) 100 - 99	
11,300 60 (41) 08 00	
	9!n = 100 - = =
) have 301 (U+1) 8 well	91
P = 00 > 1 :. +>1, make	Zasi alle disease
	1101 1100 0110 9017
3 tk [Wi Rasio]	
1 lim ant = lim 3 k+1 + (k+1)	· Jet
Un 11500 (k+1)-1	3 k+16
$= \lim_{n \to \infty} 3^{k} \cdot 3 + k + 1$	
had (kt) (3t+L)	
= lim 3t.3 + k+1	. 3k
J . K 1 L 7 3	
$= \lim_{n\to\infty} 3 + \frac{k}{3} + \frac{1}{3} = 1$	E .
= 7 +0 +0	7 3E
Ø +0+1+0	
	nvergen
200	sirverya (
TO \$ 3n+1 [Usi Bonding Limit	F] it may
n=1 n2-4	
an=3n+1 bn=3n=3.	to deret harmonik
n'-y n' n	Carried Contract
lim an = lim 3n+1/n=4 = lim	3n+1. n = lim 3n2+n
Deen in soot in name	N3-4 3 N30 703-12

~ DET!

.. Berl

	Dota
	= lim 1+ n+ n= -1 n=00 1+ n+ n= -1 corence P=1 mak a mithly usday mambakan kasimawlan alah
	now 1 th will pembarling
	: karena P = 1 mak a multiple tidat memberikan kesimpulan. Oleh
	tarena itu, diperlutan wi lainnya, yaitu menggunatan wil deret
	Soni tonda
	$Qn = n - o \lim_{n \to \infty} n = 1$ (divergen) $1 \neq 0$
	N+1 N-200 N+1
	≥ Un = (-1)n+1 · n = ≥ n
	N=1 N+1 N=1 N+1
	lim n = 1 (divergen)
	h->~ h+1
	karena 12 Un 1 divergen, maka 2 Un divergen juga.
9.	$\underset{h=1}{\overset{\sim}{\sum}} \sin \frac{n!}{h^2}$
	$y=1$ y_z
	Un = 81 n! - 0 berflutivasi diantara (-1,1) sehin soa diversen
	µs
	Un = sin (n!) -0 berfluttuasi diantara (0,1) sehingga divergen
	tarong Un dan 1 Un 1 keduanya divergen, mata & gn n! divergen.
	n=1 h2
	~
(lo)	≥ (-y)n
	N=1 C 3 /
	R=lim (an) " = lim ((-4)n)"
	N-300 N-300 (C 3)
	= \im - 4
_ <u></u> _	n → 3
	$-\frac{4}{3} \neq 0$ (divergen)
	Teorema: Jika $\mathbb{Z}(-\frac{1}{3})^n$ divergen maka $\mathbb{Z}[(-\frac{1}{3})^n]$ divergen.

"BOSS"