Zulfa Hafizhoh	
Responsity Kalkulus [	No. Date. / /
1) (2). Tulis rumus eksplisit barisan berik	ut dan tenturan rekonvergenannya
$\frac{\cos \pi, \frac{\cos 2\pi}{4}, \frac{\cos 3\pi}{9},}{\cos \pi}$	cos 47
rumus eksplisit: $\frac{\cos n\pi}{n^2}$ , $n = 1, 2, 3$	, }
Keronvergenan: $-1 \leq \cos n\pi \leq 1$	
$-\frac{1}{h^2} \leqslant \frac{\omega s n \pi}{n^2} \leqslant \frac{1}{n^2}$	
$\lim_{N\to\infty} \frac{1}{n^2} = 0 = 0, \lim_{N\to\infty} \frac{1}{n\to\infty}$	$\frac{1}{n^2} = 0$ : Konvergen ke 0
(b). Diketahui { an 3 Konvergen ke A dan	Ebng konvergen re B. Bukhkan
(denovan definisi limit) {an + bn } k	
0	
$\lim_{n\to\infty} b_n = b \int_{n\to\infty} (a_n \pm b_n) =$	lim n-100 an ± bn = A ± B = A+B
$ (a_n+b_n)-(A+B) < 3\varepsilon$	
· { an } konvergen ke A	• {bn} y Konvergen te B
L=A, akan dibukhkan:	L=B, akan dibukhkan:
Untuk tiap & >0 terdapat N>0	Untuk Setiap & >0 termadap N>
Sedemikan sehinoga n>N	Sedemission Seninoga n >N
( an - L 1 < E/2	1 an-L1 < E/2
1 an - A1 < E/2	1 bn -131 < E/2
$((\alpha_n + b_n) - (\alpha + \alpha_1)) < \alpha_1$	$ an-A + bn-B <\frac{\epsilon}{2}+\frac{\epsilon}{2}=1$
(	
	TERBUKTI

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50\ Too	<del> </del>			lima Cilco and 2 1	0-1
	-		patasan, aar	limit (jika ada) l	DOMISCIU MENK
evbatasan:	Oln =	Sin A		Femonoronan:	
	-1 <	SINNA	<b>≦</b>	$a_n = \frac{\sin n\pi}{4}$	
The state of the s	/ - 1 ×	smnx <	<u> </u>	•	The state of the s
THE PARTY OF THE P	<u> </u>	$\frac{\varsigma m n x}{A} \leqslant$ idak ada li	-4	$a'(n) = \frac{\pi}{4} \cos n\pi$	
		idak ada u	ville.	Gridak haik dan	Hodak humn
	: DIVERGEN			• * * * * * * * * * * * * * * * * * * *	
(a). T	Ulis Nimero Pl	coolis (t. parecan	Janust II dan	n fentukan kekonverny	Oncino de la
					enaninga.
		一一 , 上 , ,	4,5,-	6,	
mus eksplis	it: ((,)n+				
	(1-1)	$r(\frac{1}{n})$ ; n	=1,2,3,	•	
etanuerognan					×
		l lim	(-1) <sup>n+1</sup> /	II lm II	1
XIM 1	(-1) <u>1</u>	$= n \rightarrow \infty$		$\frac{1}{n} = \lim_{n \to \infty} \frac{1}{n}$	=0
11 700 1			1 1		-0
- KONVE	rogen te o		ACCRETICATION PART THE THE THE TREATMENT OF THE THEORY OF THE		
N	٠ ل		1.0	9. \	,
			i baisan Yu	n¶ benkut Fonverzger	1:
an =	3-8-2"	-			
	5+4.2°				. 3
Lim	3-8 - 2'	' Lim	3-16"		
n→∞	3-8.2	_ = n-) oc	) 5+8 n		
		lim	3/19-16	0-16	
		n-1∞	3/19-16	048	
	and the second s		11 10		
		a Vanuaria			
-		3 Konversion	1 42 - 2		
					THE RESIDENCE OF PERSONS IN PRINCIPLE AND ADDRESS OF THE PERSONS ASSESSMENT AND ADDRESS ASSESSMENT ADDRESS ASSESSMENT AND ADDRESS ASSESSMENT ADDRESS ASSESSMENT ADDRESS ASSESSMENT AND ADDRESS ASSESSMENT A

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(c). Tenhukan kemonotonan, keterbatasan, olan limit (jika	ada)	banisan	;	
$a_n = \frac{\ln n}{n}$				
- N				
Femanoronan: $a'(n) = \frac{1}{n} \cdot n - \ln n \cdot 1$			7	
n <sup>2</sup>	ν.			
$= \frac{1 - \ln n}{n^2} = bukan barisa$	ın mon	oron		
Kekonvergenan:				
$\lim_{n\to\infty}\frac{\ln n}{n} = \lim_{n\to\infty}\frac{1}{n} = 0  \text{if } \text{ for } \text{ver}$	ryen F	e 0		
(a). Tulis numus eksplisit banican berikut dan tenhuka	u keka	vergenann	4a:	
0.0,0.00,0.009,0.9099,.				
humus exsplisit: $\left(1-\frac{1}{10^n}, n=1,a,3,\right)$				
Kekonverojenan: lim				
$\frac{1}{10^{0}} = 1 - 0 = 1$	i konu	vergen ke	: 1	
(b) Dengan definisi limit, buktiran bahwa qang	benkut	tonverge	n :	
$\Omega_{n} = \frac{n+3}{3n-2}$				
$\frac{n}{n+3}$				
$n \to \infty$ $3n \to \frac{3n}{n} - \frac{1}{n}$ $3 \to 0$ 3				
= Fonvergen te 1/3				
	Mr. of months in a part of a second			
		V	'engu	
			2	

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(c). Tenlui	ran temo	notonan, ketelb	atusan, dan limit Gika	ada) bansan	n bevikut:
Øη	$=\frac{100}{100}$	Total Control of the		and the second s	
	lun	The state of the s			
temonohonan:	an anti	$= \frac{10^n}{10!}$	1-2.3η (n+1)	= 10	) n+1
	oin+1	(n+1)!	1.2.3 h (1.1)	N+1	
				= 10 nt1	
-				n+1	
Kekanvergenan:		. •	: malaton		
	- (		$\frac{\cdot n}{\cdot 10^n} = \frac{\infty}{\infty} = bento$ $(\pi clark ada limit)$	k tak tenhu	
					and probable site, such Appendix of
	**			The control product to the characteristic and the second section and	
				and the same of th	

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