	No. :
Tugas Kelompok Mandi	n i - Lieux i speck gitaet is
(a) Tulis rumus eksplisht benikut dan tentukan	lækonvergenannya.
James cos T, cos 277, cos 377, cos	
9 9 1	
Jawab:	
$\frac{Q_n = COS(n\pi)}{n^2} \qquad \lim_{n \to \infty} \left(\frac{-1}{n^2}\right) = 0$	$\lim_{n\to\infty}\left(\frac{1}{n^2}\right)=0$
Cek kekonvergenan: Dengan menggur	ncikan teorema apit, deret
	ergen ke - Q
-1 L COS (NTL) & 1	
n^2 n^2 n^2	1
(b). Diketahui fany konvergen ke A Jan (br	.y konvergen ke B.
(b). Diketahui (any konvergen ke A dan (br Buktikan (dengan definiti limit) (ant bn	y konvergen he A+B
Jawab.	, , , , , , , , , , , , , , , , , , ,
{any konverger ke A , artinya : I'm an :	= A
s n-eco	
Ubny konvergen he B, artayo : lim ba	= B
7 1-00	
an+bn = lim (an+bn) = lim an + lim n-box n-by	bn = A+B (Terbukh)
). Tentukan kemonotonan, keterbatasan, dar	limit (ilka ada) banisan
ben'kut $a_n = \sin(n\pi)$	arra eg
Jawab:	
an - ant = Sin (nn) Sin (n+1)n) - Tid	ak naik dan tidak
Butar:	
	Tidak Oda
	The state of the s
	KIKY

		No. :	
2 an - A LE			
1 bn - B 1 L	٤		
1000			
an-A + bn - B	4 an-A + 16n-B		
	Ian-Althon-BL E	.+ &	
	an-A + bn-B L 2 an-A + bn-B	LE Carbre	1'
	19n-A1+ bn-B1	LE CTERBUR	<u></u>
Karena			
٥< ٤			
26 >0			
		, ;	
··			
	4		
444			

entritorio aproductiva ignoro in reportin di mana anque di algune usalibati namene que varando estalme aproductiva en		e konver genanny
(a) Tulis rumus exsplisit	banisan benkut, dan tantukan l	And the second s
3	<u>-1 , 1 , -1 , </u>	
MONTO STATE OF THE	4 5	
Janab:		The second secon
an= (-1) n+1.1 Inka	lim an 20 -0 lim an =0	
		The state of the s
lim (-1) nx1. 1 = lim kn	11	vergen ke -0)
49 144	N-e/	
tin er interna Alberton er afferse de grant mande de comunicación de proceso de calenda de aparte a aparte a a		
) Denago definisi limit	, buktikan bansan lany benku	t knowing co
shower an = 3	- 9 7 h	
	14.2 ⁿ	
Jawas:	17'4	
3-8.2°	1 10 1116	
	an - L 2 E	
*8 5+4.2"	13-2"+3	
	5+2"	
1m 3-22.2	3-2"+10+2" 16	
100 5+2 1.2h	5+2 ⁿ⁺²	
	13 / &	
(in 3-2"3	5+2 ⁿ⁺²	4-2, -10
-10 5+2n+2	13 -5	· ·
	ε,20	
$\frac{1}{100} \frac{(1-\log(2),2^{100})}{(1+\log(2),2^{100})}$		
no a f (1) 2 Pt2		
DANNERT	2 10	
N+3	13	
im - 2	5+22(15-5)	
m o 2 n+2	E	
	= E (Terbula)	
-0		
W 1 257 mm		(Si

	No :
(c). Tentukan kemoratanan, kekerbatasan, di	an limit (jika ada) barrstan
benkut an=Inn	
Jawab:	Sed of the second
$a_n - a_{n+1} = l_n n - l_n(n+1)$	$= \ln -0 = \ln n$
n+i	n r
= lnn - lnn, ln1	20
n n+1	Bunsan tak nait
Inn - Inn. O	
n n+1	
lim ln n so ! Keter	-batas ar :
nos no so an an	≥0
EH lim 1	
= 1.m	
the L	
= l·m — H	
=0 -0 Konyergen ke 0	
= 0 -D ROM, 10.	
distribution of the second	

		No.:
(a) Tules rumas aleen	int bonian benket dan	tentukan kekonvergenanny
0.4.0.	99, 0.999, 0.9995,	
Jawab:		
$a_n = 1 - \left(\frac{1}{10}\right)^n$	-0 = 1-0	
(10/		
1 m (1-(1)n)	Banis tersebut konver	gen ke 1
n-n d (1-1)		
). Dengan definisi limit	, buktikan banisan lâny b	senkut konverger:
an =		
_	3n-2	
Javab:		*, .
lim an = lim (n+3)) = 1 -0 L	
lim an = lim (n+3)	3	
		25 2 6300 to 1
5n-1/28	TD 11 LE -D	Pilih N shiraga
31	9n-6	W=[11+2]
hts _1 / E	11 L E (gn-6)	9E 3 8 N
3n-2 3	11 L (gn-6)	7
	3	
3ntg-3nt2 LE	9n >11 +6	
9rs-6	3	The state of the s
	n > 11 +2	
11 48	n > 11 +2)	
3n_6		
124.		

	to the sense of th
	No. :
Sebut Jaya E >0	The contract was the contract of the contract
V kita definitikan Khagai: N=	11 + 2
	1ε 3 ·
chut sain n 2 N	
ako:	
Sn-L = n+3	
3n-2 3	
	Cormo n≥N>11 +2
- 11	9€ 3
$\frac{9n-1}{9(\frac{11}{9\epsilon}+\frac{2}{3})}$	
9n-6 II	
E .	
11 LE T1	
gn-6 Terbi	lk H