Name : Daving Rechmodyphti NIM : G1401211024	
TICAC NANDIOI	No Date
(a) Title many excellent barrown becikut	ian tentukan Kekonvergenannya:
COS IE, COS RE, COS SIE, COS Y	
4 9 16	
An - cor (nr)	
02	
Kekanyurgenan	
1 = (3nn)103 = 1-	
-1 & COS (NIE) & 1 → K	onvergen menufu O
nº nº nº	
b) Dretahui fan? Konvergen ke A dan	Ebn F Konvergen Re B. Bukttkan (dengan
definisi limit) { ant bn} konvergen	Ke A+B
	TEOREMA
n-a / Im (an t bn	$) = \lim_{n \to \infty} a_n + \lim_{n \to \infty} b_n = A + B = A + B$
(1111)	
n+co	nuslah 1 (antbn) - (AtB) 1 < E
A CONTRACT OF THE PARTY OF THE	(bnit konvergen keß
fant konvergen ke A	
L = A, akan dibuktikan: Untuk trap & > 0 terdapat N>0	Untuk trap E>0 terdapat N>0 redemikran
regemikian sehingga u > N	sehingga n > N
19n - L11<8/2	11bn-L1 × E/2
100-A1 < E/2	1 1 bn - B < E/2
new Jan 1977	The Market of Local Date of the control
Kaur no - Will	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
[(an+bn)-(A+B)] = 1A	n-A + bn-B <\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
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	TERBUKTI.
	the former was a second of the first former was a second of the second o
and the second s	
a maintain and an all and a second a second and a second	
JOYKO* 20 Lives, 0 mm	

thing britait:	
c) Tentukan kemonotonan, ketertatanan, dan limit (jika ada) barisan berikut:	
C) IGULARDIA VELIMARIA CHARLA 1.3	
No : In II	
Kemanahanan	
44(X)>0 ~ noik	
The Live I - Ink burge barean moroton	
all = ix " = I lar now h todak full	an
X3 X3 Karena Haar mile 3 119	<u> </u>
Keterbatgsan	
lim In n 4 Im 1/n = 0 - Konvergen Ke 0	
N-00 N N-00 1	
(3) a) Talis rumus exiplisit bartian burkut dan tentukan kekonvergennya:	
0.9, 0.99, 0.999, 0.9999,	
(1-0,1), (1-0,01), (1-0,001), (1-0,0001),	to care the same
$\frac{(1-\frac{1}{10})\cdot (1-\frac{1}{100})\cdot (1-\frac{1}{1000})\cdot (1-\frac{1}{10000})\cdot}{}$	
└ an = 1 - 1	
10°	
Kekonvergenan	
$a_n = 1 - 1/10n$	
lim, 11 = 1-0 = 1 ?-> konvergen menulu 1	
u~∞ 10u	
b) Dengan definish limit, buktukan barran (an) bertkut konvergen:	
An = 11 4 3	
3n - 2	
Im an #L 20 pancen an konvergen ke L	
П-00	
1m n+3 = 1m 1+3/n - 1m 1+0 = 1 an manual	
$\frac{1100 \text{ n+s} = 100 \text{ 1+3/n} = 100 \text{ 1+0} = 1 \rightarrow \text{an konvergen}}{1100 \text{ n-so} 3 - 2/n} = \frac{1100 \text{ n-so} 3 - 2}{3} \rightarrow \frac{1100 \text{ n-so} 3 -$	
	3
304KO Kilines, 5 mm	dames 100
	The second secon

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-	
10	
	c) Tentukan kemonotonan, keterbatasan, dan limit (jika ada) bartsan berikut:
	an = n! = 1.2.3.4n
TO T	100 10-10-10-10-100
	Kemonotonan
	an = (1.2.3 n)/(10.10.1010n)
	anti (2.3.4 nti)/(10.10.10 10nti)
	= 1 100+1
	n+I
	= 10 nti) barwan naik
	nt)
	Keturbatatan
	an = n! = 1.2.3n = \infty = bentuk taktenty (divergen)
	10" 10.10 10" 00 Lotale ada limit
25 _	
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CAS	1일 1일 1일 하는데 보다 보면 하다면 생각하다는 아니라 나를 하는데 되었다면 하고 하는데 하는데 살아보는데 하는데 살아보다는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하
	OYKO* 36 Lines 6 mm