Kelompok 2

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$$\sum_{k=1}^{\infty} \left(\frac{1}{7}\right)^k \quad \text{akan menjadi} \quad \sum_{k=1}^{\infty} \frac{1}{7^k}$$

$$\frac{6}{7} \leq n = \frac{1}{7} - \frac{1}{7^{n+1}}$$

$$S_n = \frac{1}{6} \left(1 - \frac{1}{7^n} \right)$$

Kekenvergenan:
$$\lim_{n\to\infty} \frac{1}{6} \left(1-\frac{1}{7}\right) = \frac{1}{6}$$
atau $\left(n = \frac{9}{1-r}\right) = \frac{1}{6}$

karna ada nilainya maka dia konvergen

Penentuan apakah delet ini tennuergen atau druergen 2. \(\frac{4^2-5}{4+2}\)

- Uze Irmit bansanya

an = 42-5 tr+2

I'm 94 = 1 m 42-5 = (bentum =) 1-700 H-700 H+2

I'm 94 = 1 m d (42-5)

4-200 4-200 di (4+2)

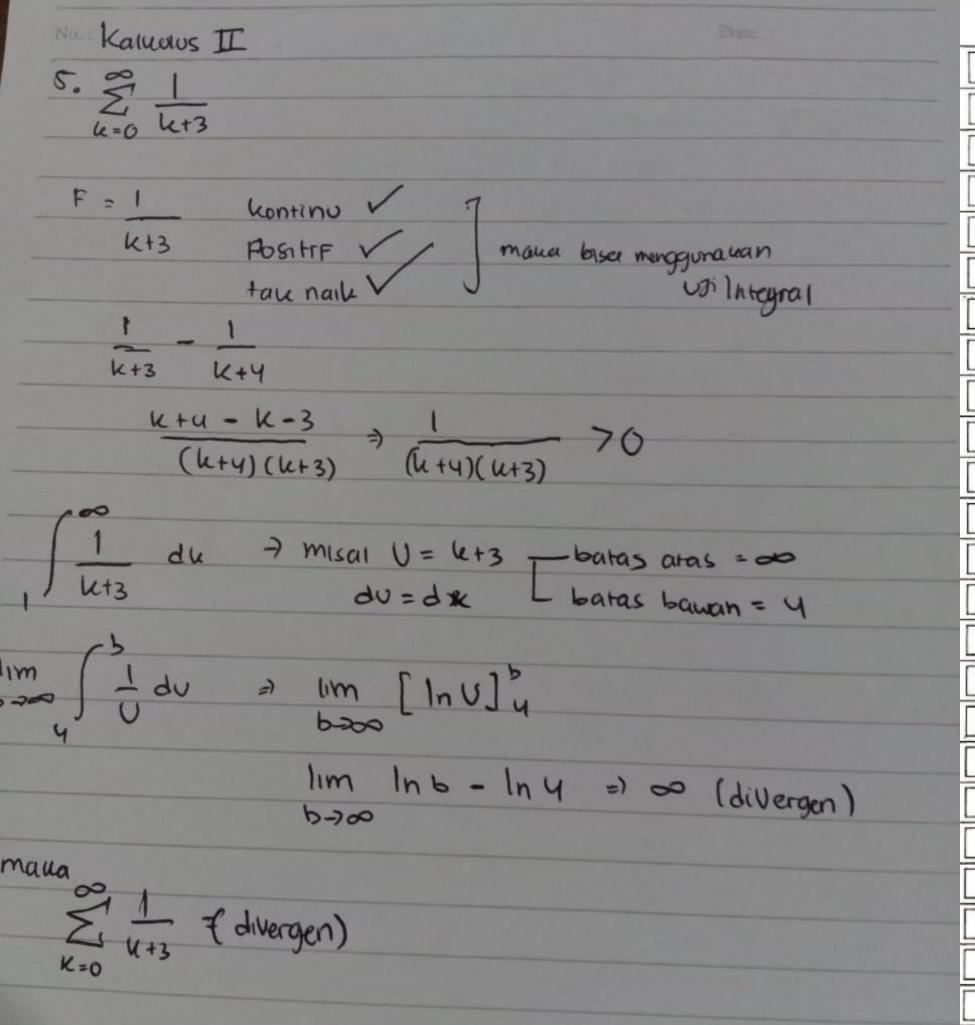
= 1m 2h = +00 4-100 1

travena lim 9th to, making deret

tersebut Bruergen

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(3)
$$\frac{2}{2}$$
 $\frac{2}{3}$
 $\frac{2}{3}$



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DATE:
\frac{1}{\sqrt{\frac{2}{\kappa^{-1}}}} = \frac{3}{2\kappa - 3} = \frac{3}{2\kappa - 3} = \frac{3}{\kappa^{-2}} = \frac{3}{2\kappa - 3} = \frac{3}{2\kappa - 
                       anti-an = 3 - 3 LO (borison tok naik)
                      an Kontinu Pada Selang [2, 2)
                    Maka bisa menggunakan Usi Integral untuk memeriksa kekanviga
                         Vi Inferral
                                4 5 3 JK = (1M 5 3 JK )
24-3 JK = (1M 5 3 JK )
                                                                                                                                            = \lim_{\alpha \to a} \left[ \frac{3}{3} \left( n \left( 2k-3 \right) \right]_{2}^{\alpha} \right]
                                                                                                                                          \frac{3}{a \to 0} \frac{\ln(2a-3) - 0}{2}
                                                                                                                                                    = & (divergen)
                                                                   \(\frac{2}{k=1}\) \(\frac{3}{2k-3}\) = -3 + \(\frac{2}{3}\) \(\frac{3}{2k-3}\) merupuucn daret yong dikm
                                                                                -3 + \(\frac{2}{2\cups_{-3}} \rightarrow \text{Ren vergen} + \(\frac{1}{2\cups_{-3}} \rightarrow \text{Ren vergen} + \(\frac{1}{2\cups_{-3}} \rightarrow \text{divergen} = \(\frac{1}{2\cups_{-3}} \rightarrow \text{Ren vergen} + \(\frac{1}{2\cups_{-3}} \rightarrow \text{divergen} = \(\frac{1}{2\cups_{-3}} \rightarrow \text{Vergen} \)
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2 m 3 (1~ (p=+3) - 1~()) = 00 (queda)

4200 = xd>

26m [352 ton-1 Vuc lm 352 ton 1 52(6) -352 ton 452(1) 2352スー652もでし