Titih singular:

$$(z-1)(z+1)(2-i)(2+i)=0$$

$$\oint_{C} \frac{\cos 2}{(2^{2}-1)(2-i)(2+i)} dz = 2\pi i \left[\operatorname{Res}(5(2), i) + \operatorname{Res}(5(2), -i) \right]$$

$$R_{es}(f(2),i) = \lim_{z \to i} \frac{(b) 2}{(2^2-1)(2+i)} = \frac{(b) i}{(2^2-1)(2+i)} = \frac{(b) i}{(2^2-1)(2+i)}$$

$$R_{es}(f(z),-\hat{i}) = \lim_{z \to -\hat{i}} \frac{lm}{(z^2-i)(z-\hat{i})} = \frac{lm}{-1.-2\hat{i}} = \frac{loc \hat{i}}{4\hat{i}}$$

Karena Cosx =
$$\frac{e^{ix} + e^{-ix}}{2}$$
, maka Cosi = $\frac{e^{-i} + e}{2}$ sehingga

$$R_{es}(f(z), i) = \frac{e^{-1} + e}{-p_{\bar{1}}}$$
 dan $R_{es}(f(z), -i) = \frac{e^{-1} + e}{8\bar{1}}$

$$\oint_{C} f(2) d2 = 2\pi i \left(\frac{e^{-1} + e}{-\rho i} + \frac{e^{-1} + e}{\rho i} \right)$$