$\phi = \vec{D} \cdot \vec{A}$

$\vec{D} \cdot \vec{A}$

$\vec{D} \cdot 4\pi r^2$

$\rightarrow 4\pi C$

$\rho_m \left(\frac{4}{3}\pi r^3 - \frac{4}{3}\pi r^3\right)$

$\rho_m \frac{4}{3}\pi\left((10\cdot10^{-3})^3 - (8\cdot10^{-3})^3\right) = 1.64\times10^{-10}$

$= 164\times10^{-12}$

$= 164\ pC$

$$\int_1^2\int_0^1 xyz\,dx\,dy = \int_1^2 \frac{1}{2}yz\,dy = \frac{1}{4}y^2z\Big|_1^2 = \frac{4}{4}(2) - 0 = 0$$

$\Phi = BA\cos(\theta)$ → garis normal