

TUGAS KALKULUS INTEGRAL  
(Ariyadi Wijaya, M.Sc)

Selesaikan integral tak tentu berikut:

a.  $\int \left( \frac{\cos t}{1 + 2 \sin t} \right) dt$

b.  $\int \frac{dy}{1 - 3y}$

c.  $\int \left( \frac{(2x + 3)^2}{\sqrt{x}} \right) dx$

d.  $\int \left( \frac{z \cdot \cos(\sqrt[3]{z^2 + 3})}{(\sqrt[3]{z^2 + 3})^2} \right) dz$

e.  $\int \left( \frac{(4 + 12x)}{\sqrt[3]{1 - 2x - 3x^2}} \right) dx$

f.  $\int \left( \frac{\sqrt{2x^6 + x^4}}{x} \right) dx$