- If Diketahui vektor m dann vektor m = (5,-2,1) Vektor n = (-6,-2,u)
- a) Tentukan vektur p dimena p=-2 m + 0,5 n

$$P = -2(m) + 0, \hat{s}(n)$$
  
= -2(5, -2, 1) + 0,  $\hat{s}(-6, -2, u)$   
= (-10, 4, -2) + (-3, -1, 2)  
= (-13, 3, 0)

b) Tentukan Gudut antara Vektor m dan

c) Tentukan punjekti skalar dan Kektu m terhodap n

$$\rho(0) = \frac{m \cdot n}{\|m\|^2}$$

$$= \frac{-22}{30} (5, -2, 1)$$

$$(-5.1.1) + (3.1.-4) + (1.2.3)$$
  
-  $(1.1.-4) - (-5.1.3) - (3.2.1)$ 

$$|M| = -5 - 12 + 6 + 4 + 15 - 6$$

$$= 10 - 6$$

$$= 20$$

Latihan Soal 2

Diberikan vektor 
$$u = (1,0,0)$$
 dan  $V = (0,12,0)$   
 $u \times v \quad dan \quad || \quad u \times v \mid ||$ 

$$\| u \times v \| = \sqrt{(-1)^2 + (-1)^2 + (12)^2}$$

In Tentukan matriti interk

$$\mathcal{B} = \left(\begin{array}{ccc} 1 & 2 & 2 \\ 2 & -1 & 1 \\ 1 & 3 & 2 \end{array}\right)$$

$$B^{-1} = I \quad Aolj(B)$$

$$|B| = \frac{1}{3} Adj(B) = \frac{1}{3} \begin{pmatrix} -5 & -2 & 4 \\ 3 & 0 & -3 \end{pmatrix}$$