



b.  $J_1 = 15\% \cdot 100$

$= 15 \text{ kg/mont}$

$A_1 = 85\% \cdot 100$

$= 85 \text{ kg/mont}$

$J_2 = J_1 = 15 \text{ kg/mont}$

$15 = P_1 \cdot 80\%$

$P_1 = 18,75 \text{ kg/mont}$

$A_2 = P_1 - J_2$

$= 18,75 - 15$

$= 3,75 \text{ kg/mont}$

Uap air =  $A_1 - A_2$

$= 85 - 3,75$

$= 81,25 \text{ kg/mont}$

c. lautan masuk = lautan akhir

$P_1 + F_2 = P_2$

$P_2 = 18,75 + 100 \cdot x$

jumlah masuk = jumlah keluar

$80\% \cdot 18,75 + 15\% \cdot 100 \cdot x = 60\% (18,75 + 100 \cdot x)$

$15 + 15x = 11,25 + 60x$

$45x = 3,75$

$x = 0,0833$

$F_2 = 0,0833 \cdot 100$

$= 8,33 \text{ kg/mont}$

$P_2 = 18,75 + 8,33$

$= 27,08$

$J_4 = 27,08 \cdot 60\% = 16,248$

$A_4 = 27,08 \cdot 40\% = 10,832$

d. laju air umpen jus buah selutannya

$F_1 + F_2 = 100 + 8,33 \text{ kg/mont}$

$= 108,33 \text{ kg/mont}$

	$F_1$ (kg/mont)	$U$ (kg/mont)	$P_1$ (kg/mont)	$F_2$ (kg/mont)	$P_2$ (kg/mont)
bu	100	81,25	18,75	8,33	27,08
Jus	15	0	15	1,2495	16,248
Air	85	81,25	3,75	7,0805	10,832