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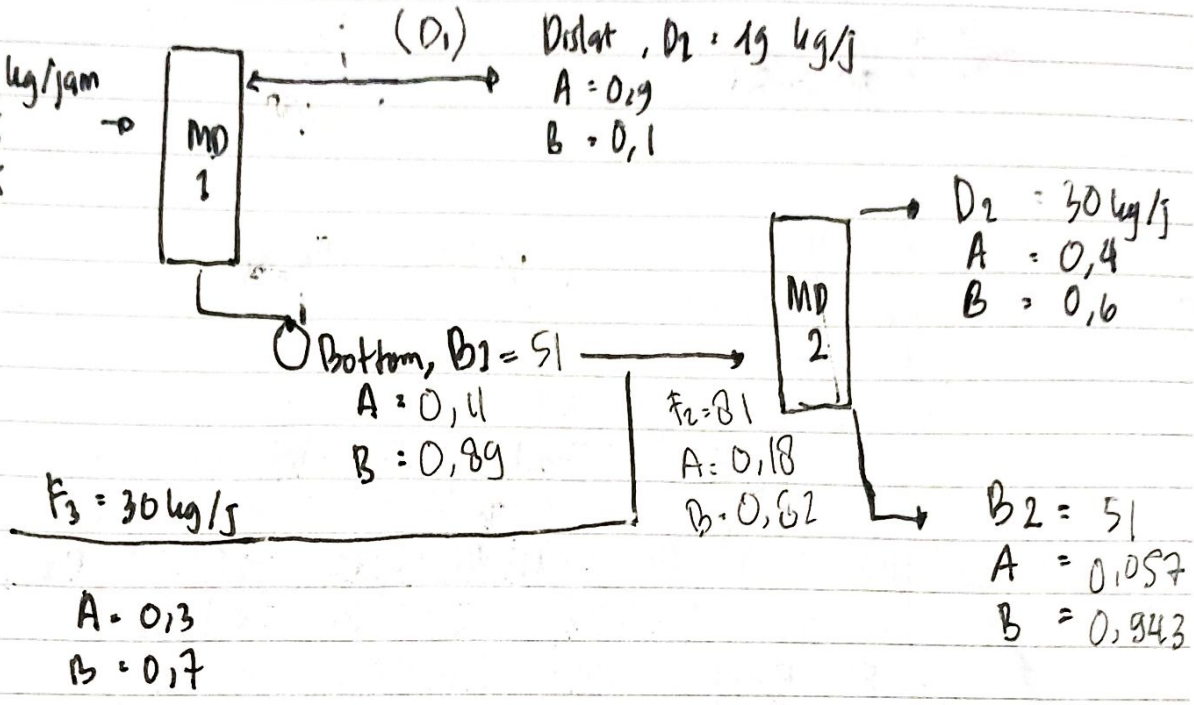
1.)



-> Analisis NM total disekitar keseluruhan alat

$F_1 + F_3 = D_1 + D_2 + B_2$

$100 + 30 = 49 + 30 + B_2$

$B_2 = 51$

-> Analisis NM A disekitar keseluruhan alat

$X_A F_1 + X_A F_3 = X_A D_1 + X_A D_2 + X_A B_2$

$0,5 \cdot 100 + 0,3 \cdot 30 = 0,9 \cdot 49 + 0,4 \cdot 30 + X_A \cdot 51$

$X_A = 0,057$

$A = 2,9$, $B = 48,1$

-> Analisis NM disekitar MD 2

$F_2 = D_2 + B_2$

$F_2 = 30 + 51$

$F_2 = 81$

-> Analisis NM A disekitar MD 2

$X_A \cdot F_2 = X_A D_2 + X_A B_2$

$X_A \cdot 81 = 0,4 \cdot 30 + 0,057 \cdot 51$

$X_A = 0,18$

$A = 14,58$, $B = 66,42$

⇒ Analisis NM total disekitar mixer

$B_1 + F_3 = F_2$

$B_1 + 30 = 81$

$B_1 = 51$

⇒ Analisis NM A disekitar mixer

$X_A B_1 + X_A F_3 = X_A F_2$

$X_A\, 51 + 0{,}3 \cdot 30 = 0{,}8 \cdot 81$

$X_A = 0{,}11$

$A = 5{,}61$, $B = 45{,}39$

Komponen	F_1	D_1	B_1	F_3	F_2	D_2	B_2
A	50	44,1	5,61	9	19,58	12	2,9
B	50	4,9	45,39	21	66,42	18	48,1
Σ	100	49	51	30	81	30	51