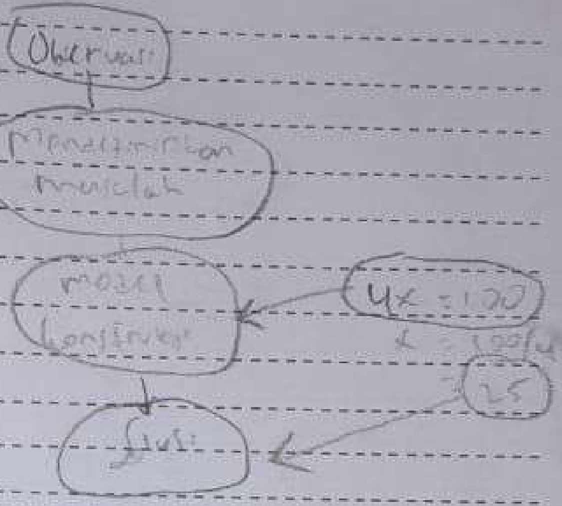
Sains Manajemen

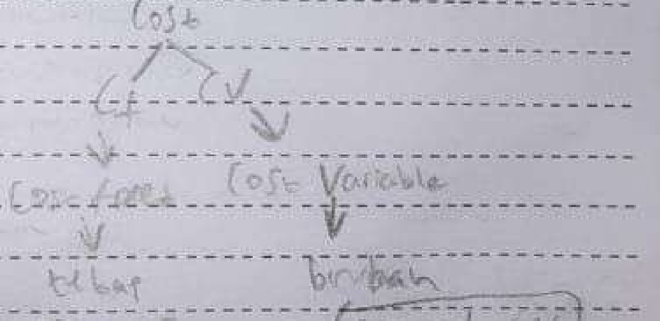


TR = total Revenue → total pendapatan

TR = V . P

V → Vole

P → Price



total biaya TC = Total Costs → Cf + V . CV

$Z = TR - TC$

keuntungan

$V_{BEP} = \frac{CF}{P - CV}$ [redacted]

Break even point

Analisis [illegible]

Tugas hal 15
no 1 dan 2

No 7 Hal 15

Produk	BB	Jam	Keuntungan
X	2	4	30
y	1	5	50
	100	80	

BBB ⇒ $2x + y = 100$
BJK ⇒ $4x + 5y = 80$

$2x + y = 100$ | 5 | $10x + 5y = 500$
$4x + 5y = 80$ | 1 | $4x + 5y = 80$ −

$6x = 420$

$x = \frac{420}{6}$

$= 70$

$2x + y = 100$
$2(70) + y = 100$
$y = 100 - 140$
$y = -40$

$z = 30x + 50y$
$= 30(70) + 50(-40)$
$= 2.100 - 2000 = 100$

Hal 15 Manajemen Sains No. Date:

1. Dik: Cf = $ 21.000
CV = $ 1,45
P = $ 1,30
V = 18.000 meter
Dit = a. TC
-TR
-Z
b. V_{BEP}
Jwb: a. - TC = CF + V. CV
= $ (21.000 + (18.000 . 1,45)
= $ 47.100
- TR = V. P
= 18.000. 1,30
= $23.400
- Z = TR - TC
= $ 23.400 - $ 47.100
= -$23.700
b. $V_{BEP} = \frac{CF}{P - CV}$
$= \frac{\$ 21.000}{\$1,30 - 1,45}$
= -140000 koin

2. Dik: Cf = $ 25.000
CV = $ 10
P = $ 30
Dit: V_{BEP}
Jwb: $V_{BEP} = \frac{Cf}{P - CV}$
$= \frac{\$ 25.000}{30 - 10} = 1.250$ bonek

3. Dik. CF = $ 27.000
CV = $ 3,75
P = $ 8,45 → 7,95

Dit: $V_{BEP} = \frac{CF}{P - CV}$ ← (a.)

$= \frac{27.000}{8,45 - 3,75}$

$= 5.744,68$

b. $\frac{5.744,68}{20} = 287,23$ / 30

c. $V_{BEP} = \frac{CF}{P - CV}$

$= \frac{27.000}{7,95 - 3,75}$

$= \frac{6.428,57}{20}$

$= 321,43$

4. Dik: V = 20 orang TR = $ 60.000
CF = $8.000
P = $ 400
CV = $ 75

Dit: TR ?

Jb = TR = V . P

60.000 = V . 400

$V = \frac{60.000}{400} = 150$

No.
Date

5. Dik: Cf = $4000
CV = $0,21
P = $0,75 per pon → (ingin) → P $0,95 per pon
V = 9000 pon keju/bulan → (tapi) → V = 5700 pon perbulan
Dit: ....
Jb: TR1 = V.P
= 9000. (0,75)
= $6750

TR2 V.P
= 5700. 0,95
= $5450

Jadi, diary tidak perlu menaikkan harga, karena jika harga dinaikkan maka pendapatan perbulan akan lebih kecil

6. Dik: 2000 hot dog
$4500 = CF
CV = $0,35
Dit: a. P ? VBEP
b. P? Z
Jb: a. VBEP = Cf / P - CV

1x pertandingan = 2000 x7
= 14.000

14.000 = 4.500 / P - 0,35
14.000 P - 4900 = 4.500
14.000P = 4.500 + 4.900
P = 9.400 / 14.000
= 0,67
> 0,67
0,69

No.
Date:

7.

Prod.k	BB	Jam	Keuntungan
x	2	4	30
y	1	5	50
	100	80	

DBB ⇒ $2x + y = 100$
BJK ⇒ $4x + 5y = 80$

$2x + y = 100$ | 5 | $10x + 5y = 500$
$4x + 5y = 80$ | 1 | $4x + 5y = 80$ −
$6x = 420$

$x = \frac{420}{6} = 70$

$2x + y = 100$
$2(70) + y = 100$
$y = 100 - 140$
$= -40$

$Z = 30x + 50y$
$= 30(70) + 50(-40)$
$= 2.100 - 2000 = \underline{100}$

8.

$Z = 30x + 50y$ | $2x + 4y = 100$
| $x + 5y = 80$

$2x + 4y = 100$ | 1 | $2x + 4y = 100$
$x + 5y = 80$ | 2 | $2x + 10y = 160$ −
$-6y = -60$

$y = \frac{-60}{-6}$

$y = 10$

$x + 5y = 80$
$x + 5(10) = 80$
$x = 80 - 50$
$x = 30$

$Z = 30x + 50y$
$= 30(30) + 50(10)$
$= 900 + 500$
$= \underline{1400}$