UTS MANAJEMEN SAINS



Disusun Oleh :
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UNIVERSITAS AMIKOM YOGYAKARTA 2021/2022

(1)			Bahan	
	Produk	×	Y	2
	A	3	2	4
	В	5	6	3

* fungsi tujuan

Larga jual - harga Variabel

fungsi tujuan

* Batasan

$$3 \times + 5y \le 260$$

 $5 \times + 6y \le 380$
 $4 \times + 3y \le 200$

* Foordinat

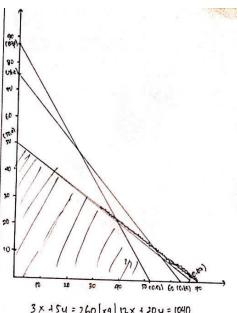
$$3(0) + 5y = 260$$

 $y = 52 (0.52)$

6 5x +6 y = 380

$$7 = 0$$
 $9 = 0$
 $885(0) + 69 = 380$ $9 = 0$
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= 63 (0,63)



$$3 \times +5y = 260 \times 4 = 12 \times +20 = 1040$$
 $4 \times +3y = 200 = 13 = 12 \times +9 = 1040 = -11 = 11 = 100$
 $y = 440$
 $y = 40$

4 × +3(40) =200

=7 54.600-000

: kesimpulannya untuk mendapatkan laba matsimal hans memproduksi produk A sebanyak 20 buah dan produk B sebanyak 40 bunh dengan laba maksimal 49.61.000.000

Salar	talaan	Ngemplak	Maglik	Depok
٨	205	95	185	165
g	105	75	135	205
C	180	110	145	175
D	85	90	110	125

Oitanya alokati Bolesman yang cocok Resuai palarnya? (Hungarian maksimum)

Inferman Inferman	talasan	Ngemplak	Ngaglile	Depok
A	205-205=0	25-95-110	21-185= 20	205-165-90
В	205-107>100	205-75:130	205-135 = 70	205-207=00
c	160-100=0	180 -110 = 70	180 - 145 = 35	180-175=5
D	125-35:40	ns - 70=55	125-110 = 15	125-125=0

Parar Saleman	kalatan	Ngemplak	Ngaghik	Depok
А	0	75-20=55	35-50 =25	40
В	loo	0	0	0
c	0	75-60=15	75 - 35=40	5
D	40	75-75=0	75-55=TO	0

Saleman 2	balaran	Ngemplak	Ngaglik	Depok
Α.	0	110	20	40
В	100	130	70	0
c	0	70	35	2
0	40	22	15	0

patar	Icalosan	Ngemplak	Ngaglik	Depok
Д	0	130-110=20	90-10:50	40
В	100	130 -150 = 0	70-70=0	0
c	0	130-20=60	70-35:35	5
0	40	130-11=75	70-15=15	0

Solerman	Icalosan	Ngemplak	Ngaglik	Depok	1
A	0	130-110=20	90-10:50	40	Salem
6	100	130 -150 =0	70-70=0	0	F
c	0	1,70	70-35-35	5	6
0	40	130-11=75	70-15=55	0	(

alesman	habran	Ngenplak	Ngaglik	Repor
A	01	20	20	4d
В	100	0	0	0
c	0	60	35	5

Patar	kalasan	Ngemplak	Ngadik	Depok
A	0 1	221	40-15:15	40
В	100	0	0	0
C	0	15	40-90=0	5
P	40	0	40-20=20	0

saleman	kalaran	Ngemplak	Ngaglik	Depok
A ·	01	22	15	40
В	100	0	0	0.
С	0	15	0 pc	٤.
0	40	0 #	20	- 0

Schedule reaugasian	Biaya
Mr. A = kalasan	105
Mr.B = Repok	205
Mr. C = Ngaglik	145
Mr. D = Ngenplax	70
10401	625



3				
Peterjaan kanyawan	Design	Analis	Programming	Testing
N	55	30	30	34
×	25	32	35	30
4	23	27	29	32
_ 2	26	29	25	27

Ditanya Optimati agar tanyawan mempenoleh gaji paling stalitit.

-	
spro	noan
1016	MUI

Kanyawan	Design	Analis	Programming	Testing
W	35-30 = 5	80-30=0	30 -30 =0	34-30=4
×	25-25=0	32-25=7	35-25=10	30-25=5
4	23-23=0	29-23=4	29-23=6	32-23=9
2	26-25=1	29-25=4	25-25=0	27-25=2

karyawan	Design	Analie	Programming	Testing
W	5	0	0	4-2=2
×	0	7	10	5-2=3
γ	0	4	6	9-2=2
2_	t	4	0	2-2=0

aryawan	Design	Analis	fregramming	resting
W	5	0		_ 2
×	0	7-3=4	10 -3 = 7	3-3=0
Υ	0	9-3=1	6-3=3	7-3=4
2	1	4	0	<u> </u>

baryawan	Des 911	Analis	programming	Terting
W	5/4	-0+	0	_ 2
Х	0-	- 4 -	7 -	_ 0 *-
Y	0 *	1	3	4
2	1	4 -	- o x -	-0 -

i: kesimpulan	schedule penugaran	upah	
	Mr. w (Analis) Mr. x (Teching)	\$' 30 \$ 30	Total = \$108
cs Sca	Mr. 7 (Design) Ca Mr. 2 (programl ng)	am Scal	nner

-) Penawaran /pasokan

- Permintaan

- a c- Berdararkan 2 metode dioter, metode VAM memiliti blaya tertecil clengan 2.530-Dengan ini bisa dialokasikan sebagai benitut:
 - Gudang G1 -> kota B = 150 unit
 - Budang Bi bota C = 1100 unit
 - Gudang 62 Fola A = 400 unit
 - CS Budang 52 -7 kota B = 480 unit
 - Scanned With Cams Granner