

**PENJELASAN GARIS
BOR & BTO
GRAFIK BARBER
JOHNSON**

BOR 50% \rightarrow (0,0) (1,1)

- Rumus ALOS, $L = O \times 365/D$
- Rumus TOI, $T = (A - O) \times 365/D$
- Jika $O = 50\% \rightarrow O = 50/100A = 1/2A$
 - $L = O \times 365/D$
 $= 1/2A \times 365/D$
 - $T = (A - O) \times 365/D$
 $= (A - 1/2A) \times 365/D$
 $= 1/2A \times 365/D$

$$L = T$$

BOR 70% \rightarrow (0,0) (3,7)

- Rumus ALOS, $L = O \times 365/D$
- Rumus TOI, $T = (A - O) \times 365/D$
- Jika $O = 70\% \rightarrow O = 70/100A$
 - $L = O \times 365/D$
 $= 70/100A \times 365/D$
 $L \times D = 70/100A \times 365$
 $100/70 L \times D = A \times 365$
 - $T = (A - O) \times 365/D$
 $= (A - 70/100A) \times 365/D$
 $T \times D = 30/100A \times 365/D$
 $100/30 T \times D = A \times 365$
 - $100/70 L \times D = 100/30 T \times D$
 - $3L = 7T$

BOR 80% \rightarrow (0,0) (1,4)

- Rumus ALOS, $L = O \times 365/D$
- Rumus TOI, $T = (A - O) \times 365/D$
- Jika $O = 80\% \rightarrow O = 80/100A$
 - $L = O \times 365/D$
 $= 80/100A \times 365/D$
 $L \times D = 80/100A \times 365$
 $100/80 L \times D = A \times 365$
 - $T = (A - O) \times 365/D$
 $= (A - 80/100A) \times 365/D$
 $T \times D = 20/100A \times 365/D$
 $100/20 T \times D = A \times 365$
 - $100/80 L \times D = 100/20 T \times D$
 - $L = 4T$

BOR 90% \rightarrow (0,0) (1,9)

- Rumus ALOS, $L = O \times 365/D$
- Rumus TOI, $T = (A - O) \times 365/D$
- Jika $O = 90\% \rightarrow O = 90/100A$
 - $L = O \times 365/D$
 $= 90/100A \times 365/D$
 $L \times D = 90/100A \times 365$
 $100/90 L \times D = A \times 365$
 - $T = (A - O) \times 365/D$
 $= (A - 90/100A) \times 365/D$
 $T \times D = 10/100A \times 365/D$
 $100/10 T \times D = A \times 365$
 - $100/90 L \times D = 100/10 T \times D$
 - $L = 9T$

BTO=THROUGHPUT=30 → (12 1/6, 12 1/6)

- $BTO=B=D/A \rightarrow$ Rata-rata pemakaian 1 TT, berarti $O=1$,
 $D=30$ pasien
- $ALOS \rightarrow L = O \times 365/D$
 $L = 1 \times 365/30 = 12 \frac{1}{6}$
- $TOI \rightarrow T = (A-O) \times 365/D$
 $T = 1 \times 365/30 = 12 \frac{1}{6}$

BTO=THROUGHPUT=20 → (18 1/4, 18 1/4)

- $BTO=B=D/A \rightarrow$ Rata-rata pemakaian 1 TT, berarti $O=1$,
 $D=20$ pasien
- $ALOS \rightarrow L = O \times 365/D$
 $L = 1 \times 365/20 = 18 \frac{1}{4}$
- $TOI \rightarrow T = (A-O) \times 365/D$
 $T = 1 \times 365/20 = 18 \frac{1}{4}$

BTO=THROUGHPUT=15 → (24 1/3, 24 1/3)

- $BTO=B=D/A \rightarrow$ Rata-rata pemakaian 1 TT, berarti $O=1$,
 $D=15$ pasien
- $ALOS \rightarrow L = O \times 365/D$
 $L = 1 \times 365/15 = 24 \frac{1}{3}$
- $TOI \rightarrow T = (A-O) \times 365/D$
 $T = 1 \times 365/15 = 24 \frac{1}{3}$

BTO=THROUGHPUT=12,5 → (29 1/5, 29 1/5)

- $BTO=B=D/A \rightarrow$ Rata-rata pemakaian 1 TT, berarti $O=1$,
 $D=12,5$ pasien
- $ALOS \rightarrow L = O \times 365/D$
 $L = 1 \times 365/12,5 = 29 \frac{1}{5}$
- $TOI \rightarrow T = (A-O) \times 365/D$
 $T = 1 \times 365/12,5 = 29 \frac{1}{5}$