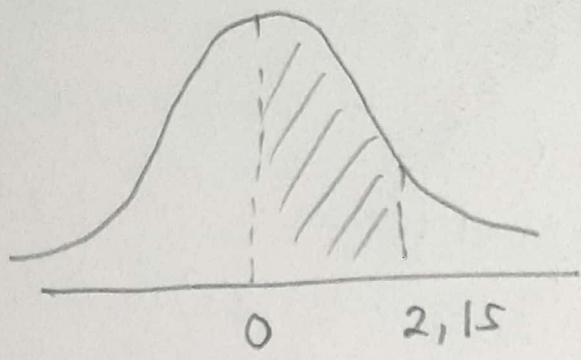


Luas dibawah kurva normal baku dr 0 ke z

a. Luas antara $z=0$ dan $z=2,15$



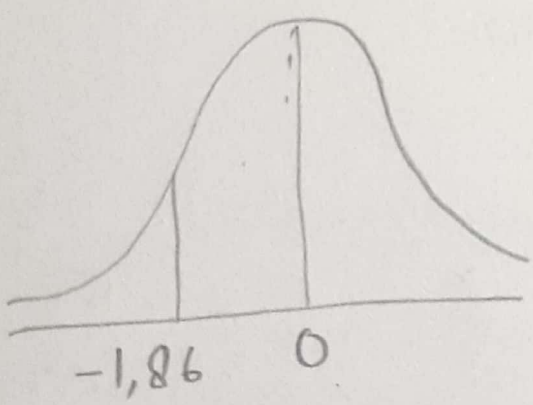
$$P(0 < z < 2,15) = 0,4842$$

Tabel z

| Z | 1 | 2 | 3 | ... | 5 | ... | 8 |
|-----|---|---|---|-----|------|-----|---|
| 0,0 | | | | | | | |
| 0,1 | | | | | | | |
| ... | | | | | | | |
| 2,1 | | | | | 4842 | | |
| ... | | | | | | | |

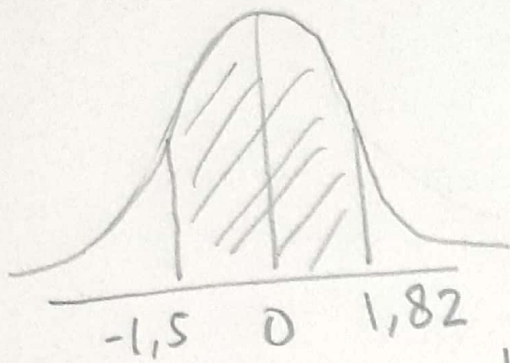
b. Luas antara $z=0$ dan $z=-1,86$

daerah yg diarsir sebelah kiri



$$P(-1,86 < z < 0) = 0,4686$$

c. Luas antara $z = -1,50$ dan $z = 1,82$



Dicari dulu.

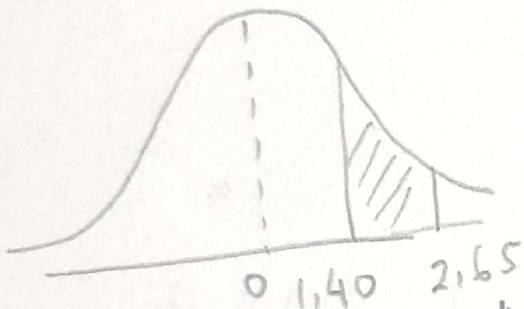
$$\cdot P(0 < z < 1,82) = 0,4656$$

$$\cdot P(-1,5 < z < 0) = 0,4332$$

$$\text{Lalu dijumlahkan} \quad \frac{0,4656}{0,8988} +$$

$$\therefore P(-1,5 < z < 1,82) = 0,8988$$

d. Luas antara $z = 1,40$ dan $z = 2,65$



Dicari dulu

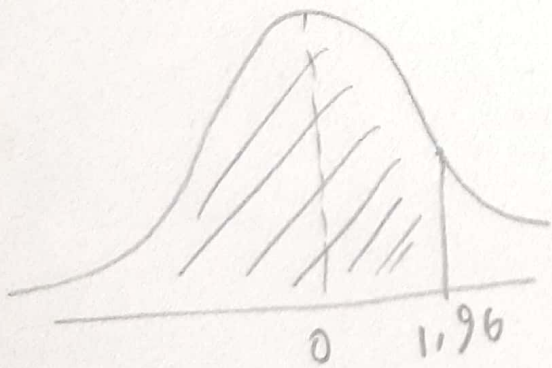
$$\cdot P(0 < z < 2,65) = 0,4960$$

$$\cdot P(0 < z < 1,40) = 0,4192$$

$$\text{Lalu dikurangkan} \quad \frac{0,4960}{0,0768}$$

$$\therefore P(1,40 < z < 2,65) = 0,0768$$

e. Luas dari $z = 1,96$ ke kiri



$$P(-\infty < z < 1,96) =$$

$$P(-\infty < z < 0) = 0,5$$

$$P(0 < z < 1,96) = 0,475$$

$$\text{lalu dijumlahkan} \quad \frac{0,5}{0,975} +$$

$$\therefore P(-\infty < z < 1,96) = 0,975$$

Luas 1 kurva nilainya

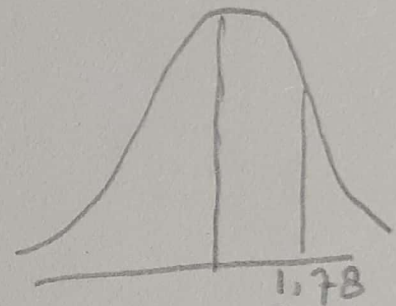
$$= 1$$

Luas kurva distribusi t

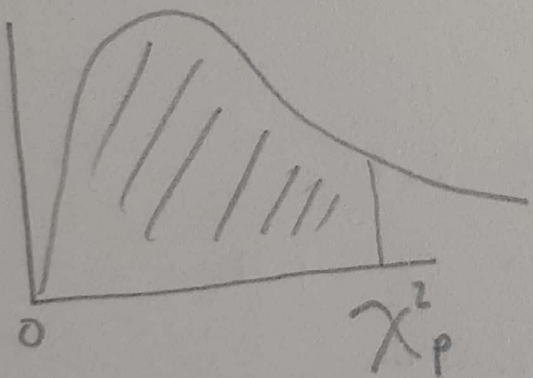
• $n = 13 \rightarrow db = 12$ dan $p = 0,95$
 maka $t = 1,78$

$db = n - 1$ jika $n = 13$ maka $db = 13 - 1 = 12$
 $db = \text{derajat bebas}$ $db = v = dk$

| v | $t_{0,995}$ | $t_{0,99}$ | $t_{0,95}$ |
|----|-------------|------------|------------|
| 1 | | | |
| 2 | | | |
| ⋮ | | | |
| 12 | | | 1,78 |
| ⋮ | | | |



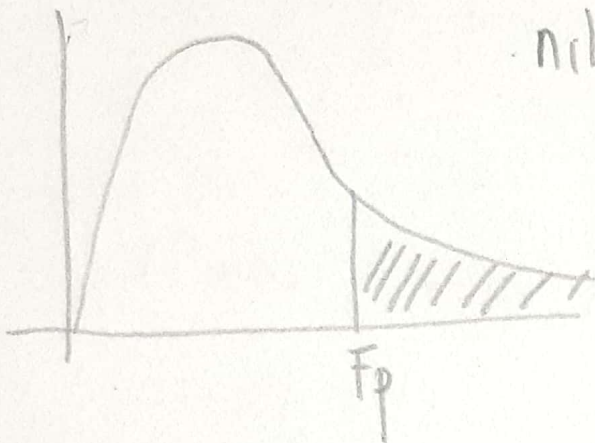
Luas kurva distribusi Chi-Kuadrat



| v | $\chi^2_{0,95}$ | $\chi^2_{0,05}$ |
|----|-----------------|-----------------|
| 1 | | |
| 2 | | |
| ⋮ | | |
| 14 | | 23,7 |

• $p = 0,95$, $db = 14$.

Nilai distribusi Snedecor F



Nilai² F memp. peluang
0,01 dan 0,05

db = (v₁, v₂)

| v ₂ penyebut | v ₁ Pembilang | |
|-------------------------|--------------------------|-----------------|
| | | 24 |
| | | |
| | | |
| | | 3,12 ⇒ p = 0,05 |
| 8 | - - - - - | 5,28 ⇒ p = 0,01 |

F(24, 8) u, p = 0,05 adalah 3,12
p = 0,01 adalah 5,28

Latihan:

- Cari luas daerah.
 - antara $Z = 1,21$ dan $Z = 2,65$
 - antara $Z = -2,17$ dan $Z = 1,2$
 - u/ $Z = 0,79$ ke kanan.
- Tentukan nilai t dng db = 4, dari t ke kiri luasnya 0,95
- Tentukan nilai $F_{0,01}(2,9)$ dan $F_{0,05}(6,12)$