

$$\begin{aligned} \text{Rata - rata Industri (X)} &= \frac{\text{Score}}{n} \\ &= \frac{-12,46086960589}{7} \\ &= -1,780124229413 \end{aligned}$$

Besarnya koefisien kepercayaan dengan interval keyakinan 95%

$$\begin{aligned} &= (1-\alpha) \times 100\% = 95\% \\ \alpha &= 5\% \\ \alpha_2 &= 2,5\% \text{ atau } 0,025 \end{aligned}$$

$$\begin{aligned} df &= n-1 \\ &= 7-1 \\ &= 6 \end{aligned}$$

Besarnya nilai t berdasarkan Tabel t = 2,447

No	Kode Industri	X	X	$(X - X)^2$
1	AKKU	-1,238770535939	-1,780124229413	0,2930638214379
2	APLI	-1,98778043943	-1,780124229413	0,0431211015586
3	FPNI	-1,923724304292	-1,780124229413	0,0206209815053
4	SIAP	-2,326894595431	-1,780124229413	0,2989578331555
5	SIMA	0,0835265556983	-1,780124229413	3,473194248846
6	TRST	-2,336854136026	-1,780124229413	0,3099481889173
7	YPAS	-2,730372150469	-1,780124229413	0,9029711114713
Σ				5,3418772868919

$$\begin{aligned} \text{Standar Deviasi (S)} &= \sqrt{\frac{\sum (X - X)^2}{n-1}} \\ &= \sqrt{\frac{5,3418772868919}{6}} \\ &= \sqrt{0,8903128811486} \\ &= 0,9435639253112 \end{aligned}$$

$$\begin{aligned} \text{Batas atas} &= x + t_{\alpha_2} \frac{s}{n} \\ &= -1,780124229413 + 2,447 \frac{0,9435639253112}{6} \\ &= -1,780124229413 + 2,447 \frac{0,9435639253112}{2,6457513110646} \end{aligned}$$

$$= -0,907441707975$$

$$\text{Batas bawah} = x - t_{\alpha} \frac{s}{\sqrt{n}}$$

$$= -1,780124229413 - 2,447 \frac{0,9435639253112}{\sqrt{6}}$$

$$= -1,780124229413 - 2,447 \frac{0,9435639253112}{2,6457513110646}$$

$$= -2,652806750851$$

Tahun 2010

Total nilai X tahun 2010 disajikan dalam Tabel 13 sebagai berikut:

Tabel 13 Total nilai X Tahun 2010

No	Kode Industri	Nama Industri	Nilai X
1	AKKU	Alam Karya Unggul Tbk	-0,836180329789
2	APLI	Asiaplast Industries Tbk	-2,843565623062
3	FPNI	Titan Kimia Nusantara Tbk	-0,771561772716
4	SIAP	Sekawan Intipratama Tbk	-2,512087502393
5	SIMA	Siwani Makmur Tbk	0,9840444372163
6	TRST	Trias Sentosa Tbk	-2,384959966356
7	YPAS	Yanaprima Hastapersada Tbk	-2,812183270001
$\sum \text{Score}$			-11,1764940271

$$\begin{aligned} \text{Rata — rata Industri (X)} &= \frac{\text{Score}}{n} \\ &= \frac{-11,17649402719}{7} \\ &= -1,596642003871 \end{aligned}$$

Besarnya koefisien kepercayaan dengan interval keyakinan 95% $= (1-\alpha) \times 100\% = 95\%$

$$\alpha = 5\%$$

$$\frac{\alpha}{2} = 2,5\% \text{ atau } 0,025$$

$$\begin{aligned} df &= n-1 \\ &= 7-1 \\ &= 6 \end{aligned}$$

Besarnya nilai t berdasarkan Tabel t = 2,447

No	Kode Industri	X	X	(X - X) ²
1	AKKU	-0,836180329789	-1,596642003871	0,5783019577476
2	APLI	-2,843565623062	-1,596642003871	1,5548185120964
3	FPNI	-0,771561772716	-1,596642003871	0,6807573878428
4	SIAP	-2,512087502393	-1,596642003871	0,8380404607642
5	SIMA	0,9840444372163	-1,596642003871	6,6599425072118
6	TRST	-2,384959966356	-1,596642003871	0,6214452099765
7	YPAS	-2,812183270001	-1,596642003871	1,4775405696649
Σ				12,410846605304

$$\begin{aligned}
 \text{Standar Deviasi (S)} &= \frac{\sqrt{\sum (X - \bar{X})^2}}{n-1} \\
 &= \frac{\sqrt{12,410846605304}}{6} \\
 &= \frac{2,0684744342173}{6} \\
 &= 1,4382191885166
 \end{aligned}$$

$$\begin{aligned}
 \text{Batas atas} &= \bar{x} + t_{\alpha} \frac{s}{\sqrt{n}} \\
 &= -1,596642003871 + 2,447 \frac{1,4382191885166}{\sqrt{6}} \\
 &= -1,596642003871 + 2,447 \frac{1,4382191885166}{2,6457513110646} \\
 &= -0,266463184878
 \end{aligned}$$

$$\begin{aligned}
 \text{Batas bawah} &= \bar{x} - t_{\alpha} \frac{s}{\sqrt{n}} \\
 &= -1,596642003871 - 2,447 \frac{1,4382191885166}{\sqrt{6}} \\
 &= -1,596642003871 - 2,447 \frac{1,4382191885166}{2,6457513110646} \\
 &= -2,926820822864
 \end{aligned}$$

Tahun 2011

Total nilai X tahun 2011 disajikan dalam Tabel 14 sebagai berikut: