

DAFTAR SIMBOL

Simbol	Keterangan	Satuan
ΔT	Selisih Temperatur	$^{\circ}\text{K}$
Δx	Tebal	m
A	Luas Penampang	m^2
D	Diameter	m
h	Koefisien perpindahan panas	$\text{W}/\text{m}^2\text{K}$
k	<i>Konduktivitas Thermal</i>	$\text{W}/\text{m}^2\text{K}$
N	Angka Keamanan	-
P	Tekanan internal	Pa
q	<i>Heat / laju panas</i>	W
r	Radius Silinder	m
S_{uc}	Tegangan Tekan Maksimum Material	Pa
S_{ut}	Tegangan Tarik maksimum material	Pa
S_{ys}	Tegangan <i>Yeild</i> geser Material	Pa
t	Ketebalan silinder	m
ϵ_{el}	Vektor regangan elastis	-
ϵ^{TH}	<i>Thermal strain Vector</i>	-
T_s	Temperatur permukaan	$^{\circ}\text{C}$
T	Temperatur operasi	$^{\circ}\text{C}$

S_f	Faktor keamanan	-
ρ	Massa Jenis	Kg/m^3
ν	Viskositas kinematis	m^2/s
$\sigma_l = \sigma_{\text{long}}$	Tegangan Longitudinal	Pa
σ_t	Tegangan Tangensial	Pa