

DAFTAR NOTASI DAN SIMBOL

Simbol	Besaran dasar	Satuan
L	<i>Latitude angle</i>	°
LL	<i>Local Longitude angle</i>	°
δ	<i>Declination angle</i>	°
β	<i>Slope angle</i>	°
H	<i>Hour angle</i>	°
θ	<i>Incidence angle</i>	°
Φ	<i>Zenith angle</i>	°
α	<i>Solar altitude angle</i>	°
z	<i>Solar azimuth angle</i>	°
N	<i>Day number</i>	—
AST	<i>Apparent solar time</i>	Hours
LST	<i>Local standard time</i>	°
ET	<i>Equation of time</i>	—
SL	<i>Standard longitude</i>	°
DS	<i>Daily Saving</i>	—
E_{λ}	Energi radiasi cahaya matahari	J
λ	Panjang gelombang	m
h	Konstanta plank	$m^2 \text{ kg/s}$
c	Kecepatan cahaya di rung hampa	m/s
η_{\max}	Efisiensi maksimum <i>photovoltaic</i>	%
P_{\max}	Daya maksimum <i>photovoltaic</i>	Watt
P_{in}	Daya radiasi matahari	Watt/m^2
I_{\max}	Arus maksimum <i>photovoltaic</i>	A
V_{\max}	Tegangan maksimum <i>photovoltaic</i>	V
A	Luas bidang <i>photovoltaic</i>	m^2
G_t	<i>Total solar radiation</i>	Watt/m^2
S	Penyerapan radiasi matahari	Watt/m^2
$(\tau \alpha)_n$	<i>Transmittance normal incidence</i>	—

M	Air mass modifier	–
m	Air mass	–
G_B	Beam solar radiation	Watt/m ²
R_B	Beam radiation tilt factor	–
$K_{\theta,\beta}$	Incidence angle modifier untuk beam radiation	–
G_D	Diffuse solar radiation	Watt/m ²
$K_{\theta,D}$	Incidence angle modifier untuk diffuse radiation	–
G_{pG}	Total solar radiation dengan faktor ground reflectance	Watt/m ²
$K_{\theta,G}$	Incidence angle modifier untuk groun-reflected radiation	Watt/m ²
K	Extinction coefficient	m ⁻¹
N	Day number	–
α_i	Konstanta bahan dari photovoltaic	–
$(\tau \alpha)_D$	Transmittance untuk diffuse incident angle	–
$\theta_{re,D}$	Refraction angle oleh diffuse radiation pada cover photovoltaic	°
$\theta_{e,D}$	Incidence angle (diffuse radiation)	°
$(\tau \alpha)_G$	Transmittance untuk diffuse incident angle	–
$\theta_{re,G}$	Refraction angle oleh ground-reflected radiation pada cover photovoltaic	°
$\theta_{e,G}$	Incidence angle (Ground-reflected radiation)	°
I	Arus listrik	A
Q	Banyaknya muatan listrik	C
t	Waktu	s
V	Tegangan listrik	V
R	Resistensi	Ω
P	Daya listrik	Watt
U_L	Heat loss coefficient	W/m ² C
B	Graphical representation of ET	–