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[16] http://www.unud-257-836437215-florida-energy-centre2011.html (Jenis connected grid dan stand alone PLTS)

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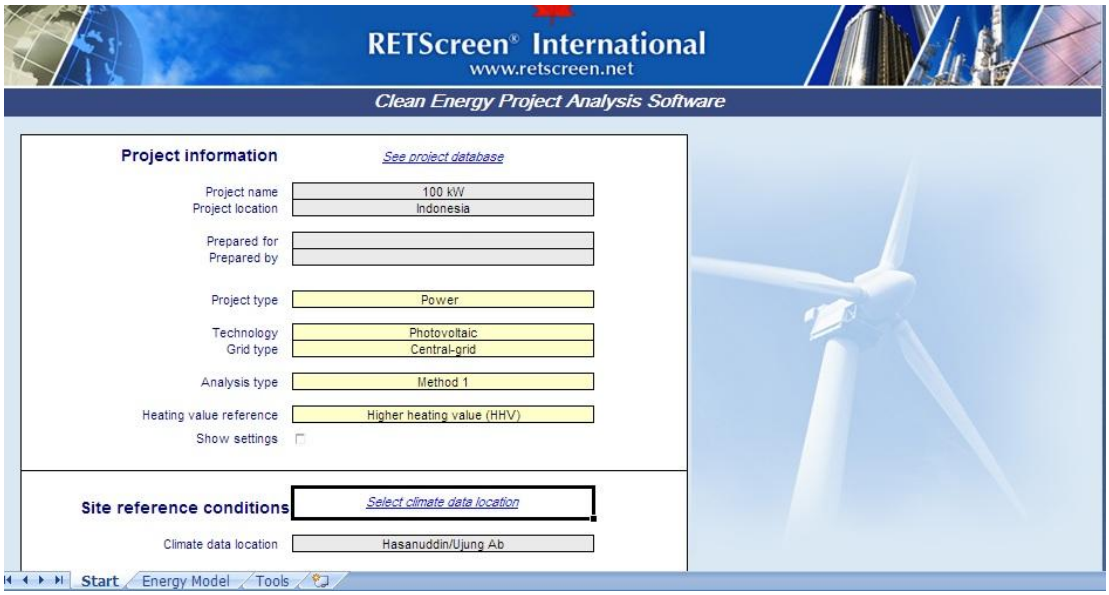
[19] Kusnandar Achmad. 2009. *Sel Surya*.

<u>Lampiran 1</u> : Hasil simulasi Retscreen International untuk sistem Photovoltaik 100 kW pada Kota Makassar

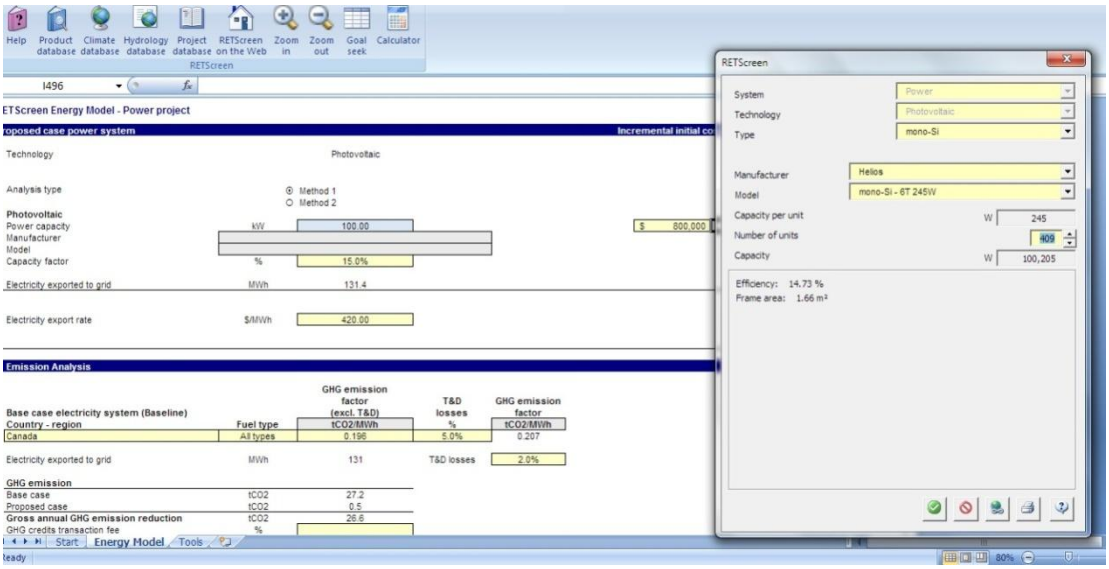


Data intensitas cahaya matahari pada Kota Makassar dalam 1 tahun

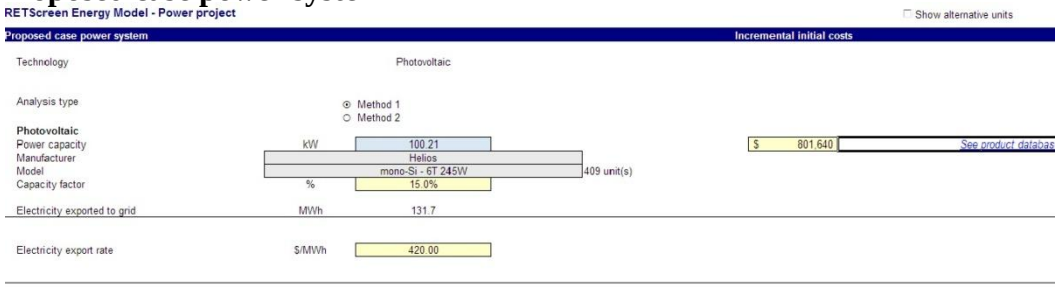
	Unit	Climate data location	Project location
Latitude	°N	-5.1	-5.1
Longitude	°E	119.6	119.6
Elevation	m	14	14
Heating design temperature	°C	21.1	
Cooling design temperature	°C	33.3	
Earth temperature amplitude	°C	3.3	

Month	Air temperature	Relative humidity	Daily solar radiation - horizontal	Atmospheric pressure	Wind speed	Earth temperature	Heating degree-days	Cooling degree-days
	°C	%	kWh/m²/d	kPa	m/s	°C	°C-d	°C-d
January	26.2	87.2%	4.57	100.2	2.1	28.4	0	502
February	26.3	87.2%	4.85	100.2	2.1	28.3	0	456
March	26.5	85.7%	5.75	100.2	2.0	28.6	0	512
April	26.8	84.1%	5.91	100.2	1.8	28.8	0	504
May	27.2	81.0%	5.97	100.3	1.7	28.4	0	533
June	26.9	78.6%	5.67	100.3	1.7	27.7	0	507
July	26.6	74.0%	5.95	100.4	1.9	27.1	0	515
August	27.0	66.8%	6.70	100.4	2.1	27.3	0	527
September	27.8	61.8%	7.22	100.4	2.4	28.1	0	534
October	27.7	72.1%	7.05	100.3	2.1	29.1	0	549
November	27.0	82.1%	6.09	100.2	2.0	29.4	0	510
December	26.3	86.3%	4.75	100.2	2.1	28.8	0	505
Annual	26.9	78.9%	5.88	100.3	2.0	28.3	0	6,154
Measured at	m				10.0	0.0		

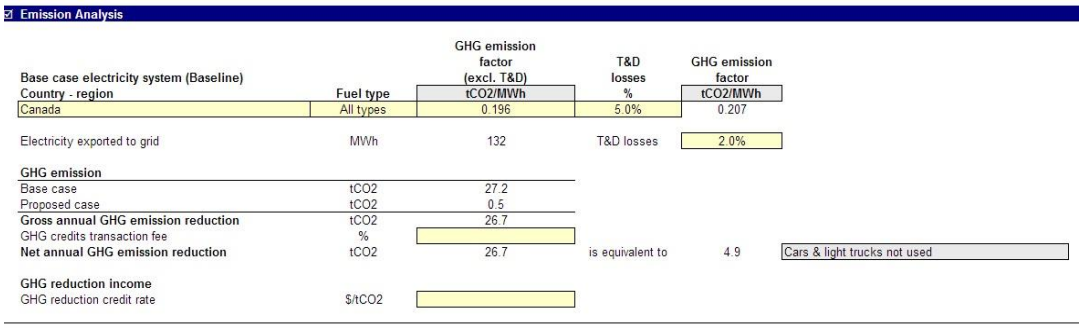
Hasil simulasi Retscreen International menggunakan manufaktur ”Helios tipe mono-Si-6T-245W”



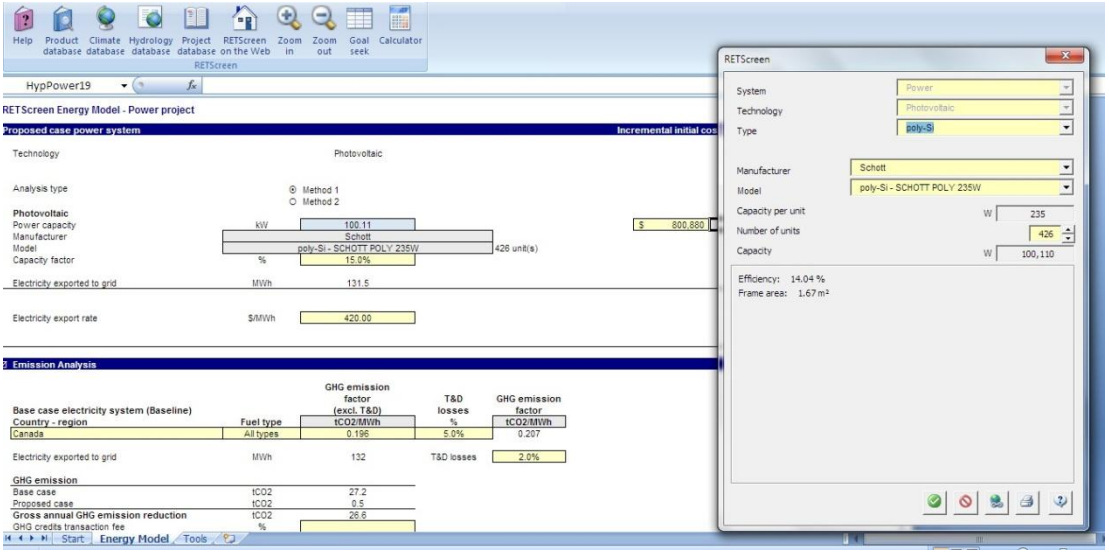
Proposed case power system



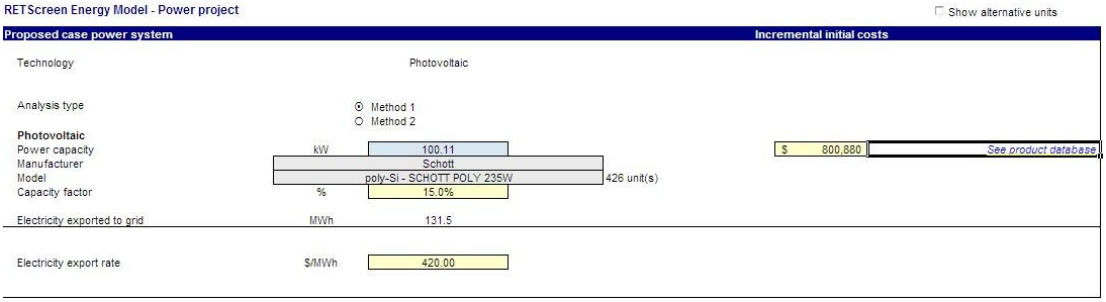
Emission analysis



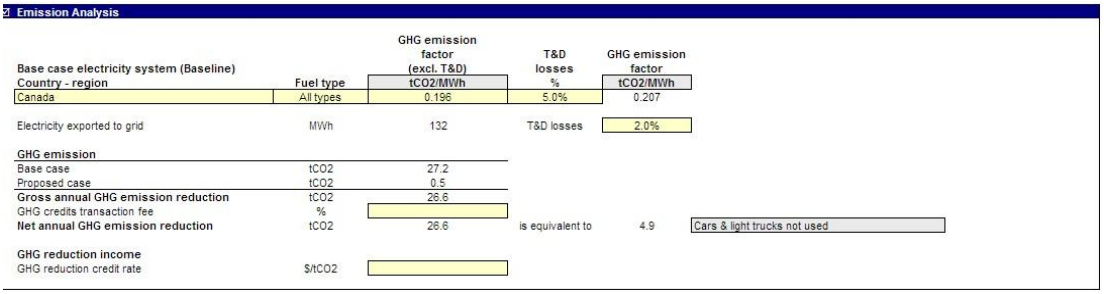
Hasil simulasi Retscreen International menggunakan manufaktur "Schott tipe poly-Si-235W "



Proposed case power system



Emission analysis



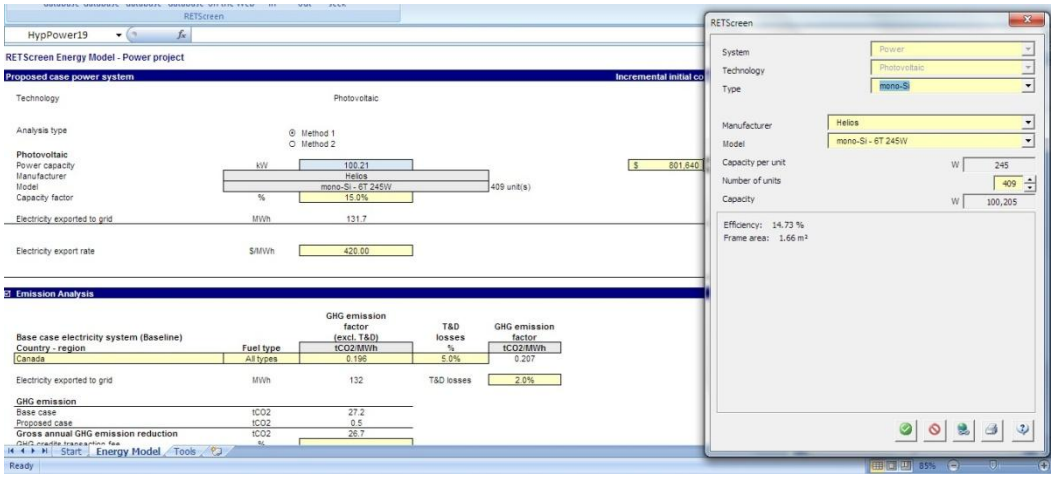
Lampiran 2 : Hasil simulasi Retscreen International untuk sistem Photovoltaik 100 kW pada Kota Pare-pare.

Data Intensitas cahaya matahari pada kota Pare-pare dalam 1 tahun

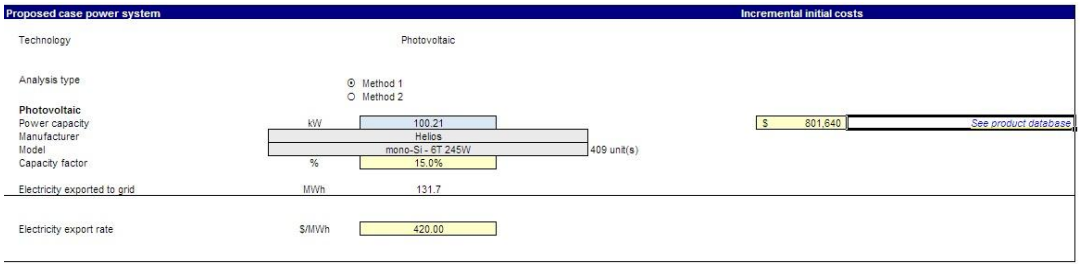
	Unit	Climate data location	Project location
Latitude	°N	-3.9	-3.9
Longitude	°E	119.6	119.6
Elevation	m	452	452
Heating design temperature	°C	20.9	
Cooling design temperature	°C	28.9	
Earth temperature amplitude	°C	6.6	

Month	Air temperature	Relative humidity	Daily solar radiation - horizontal	Atmospheric pressure	Wind speed	Earth temperature	Heating degree-days	Cooling degree-days
	°C	%	kWh/m²/d	kPa	m/s	°C	°C-d	°C-d
January	24.7	82.6%	5.03	97.4	2.5	26.1	0	455
February	24.9	80.1%	5.22	97.4	2.5	26.4	0	416
March	24.9	81.8%	5.28	97.4	1.8	26.5	0	463
April	25.0	82.9%	5.47	97.4	1.6	26.4	0	449
May	24.9	81.9%	5.29	97.4	2.5	26.0	0	460
June	24.5	80.6%	5.14	97.5	2.9	25.5	0	434
July	24.2	77.0%	5.22	97.5	3.2	25.3	0	441
August	25.1	68.8%	5.83	97.5	3.4	26.5	0	468
September	25.8	66.5%	6.11	97.5	3.0	27.4	0	475
October	25.7	73.1%	5.97	97.4	2.1	27.4	0	486
November	24.9	82.0%	5.39	97.4	1.7	26.5	0	446
December	24.7	82.4%	4.86	97.4	2.1	26.2	0	455
Annual	24.9	78.3%	5.40	97.4	2.4	26.3	0	5,446
Measured at	m				10.0	0.0		

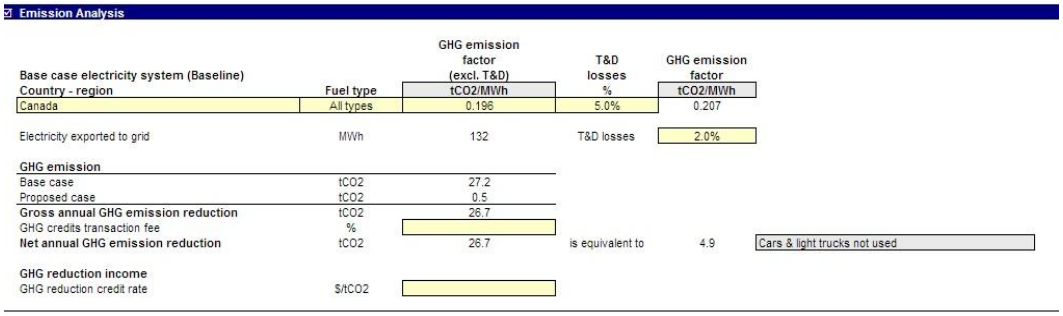
Hasil simulasi Retscreen International menggunakan manufaktur "Helios mono-Si-6T-245W".



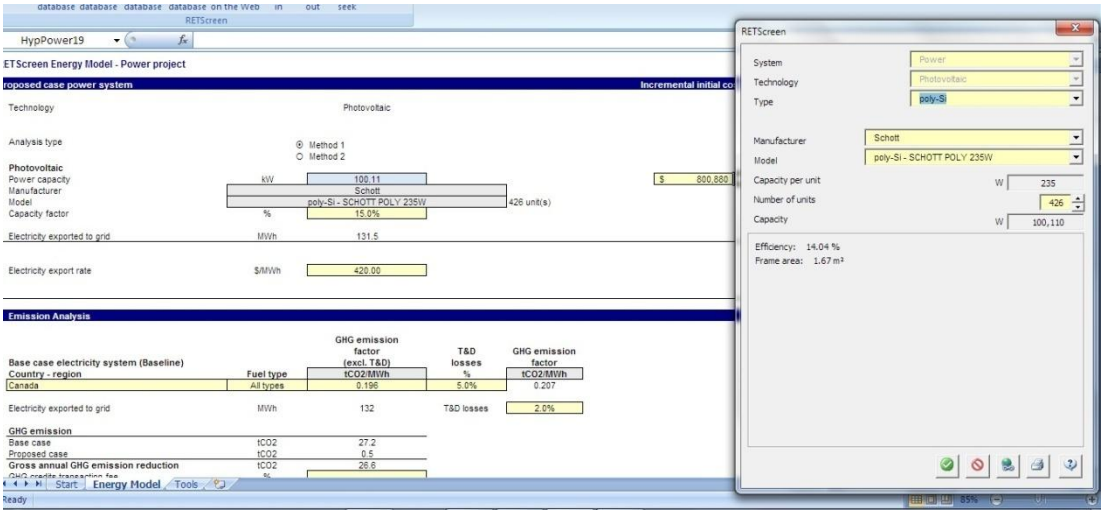
Proposed case power system



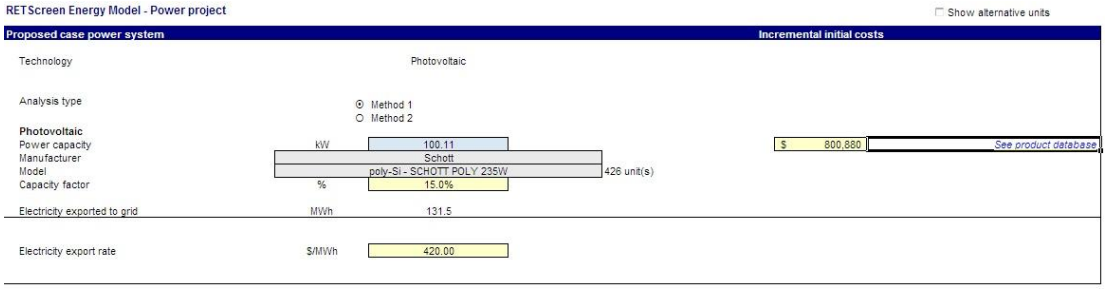
Emission analysis



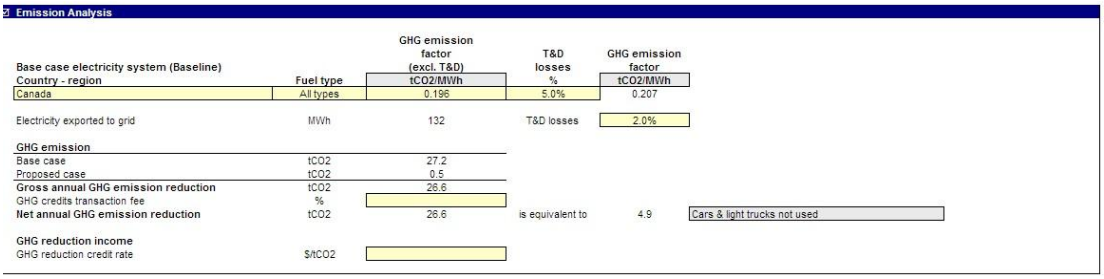
Hasil simulasi Retscreen International menggunakan manufaktur “Schott tipe poly-Si-Schott-poly 235W”.



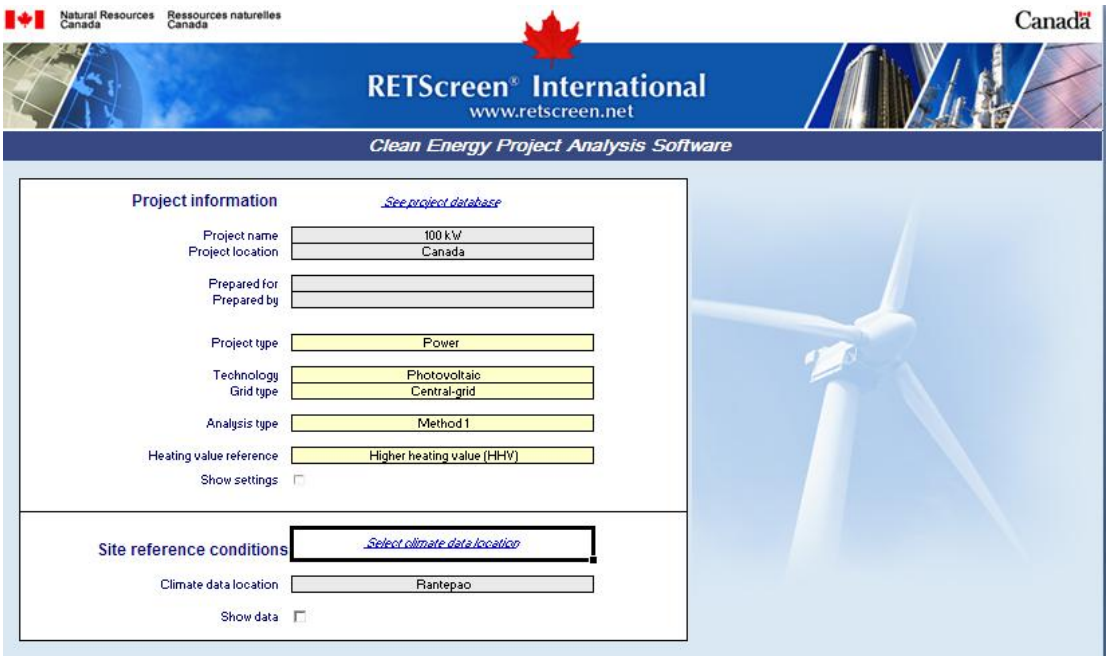
Proposed case power system



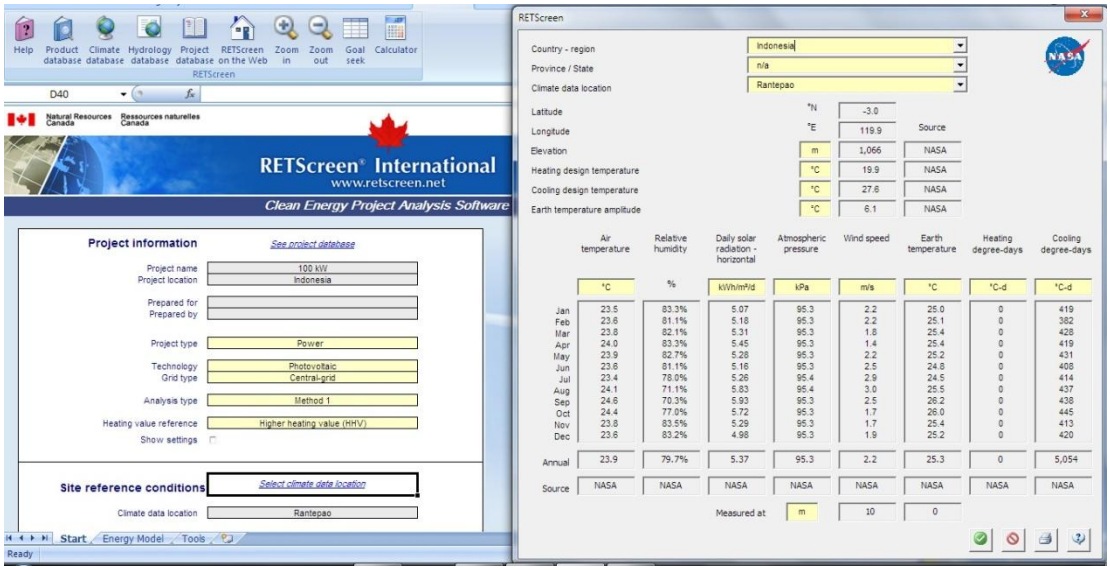
Emission analysis



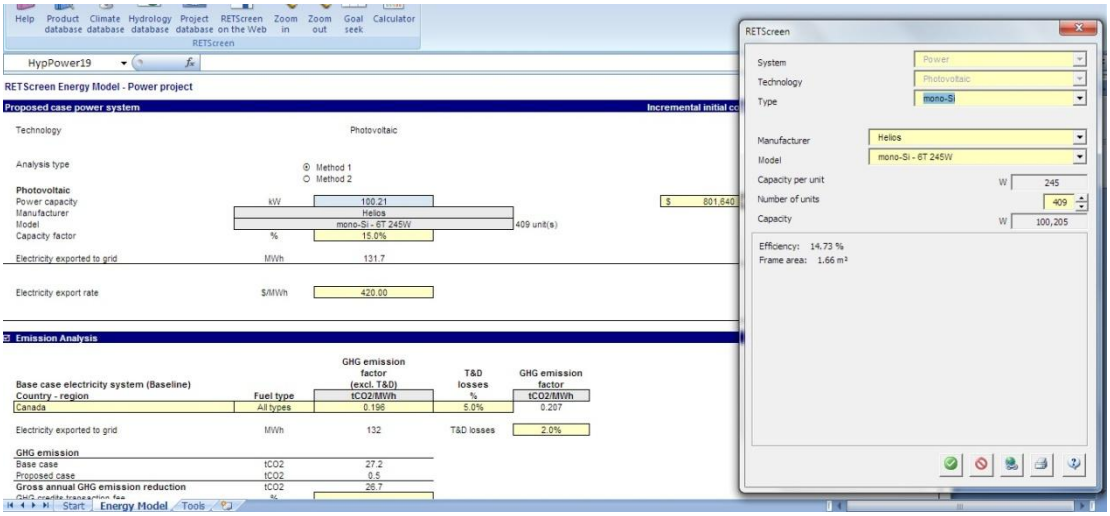
Lampiran 3 : Hasil simulasi Retscreen International untuk wilayah Toraja(Rantepao)



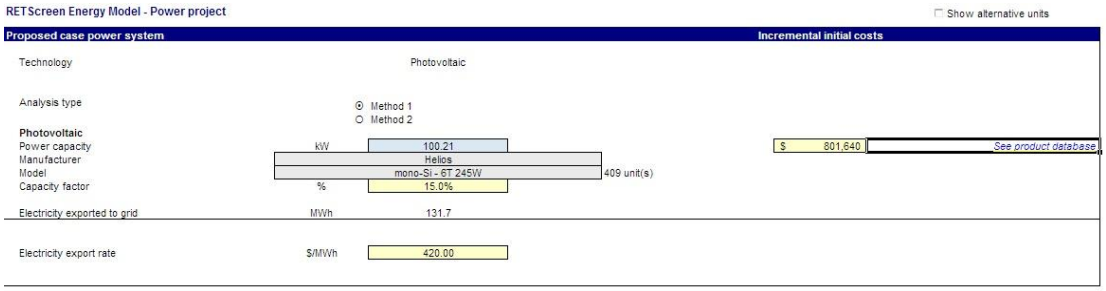
Data intensitas cahaya matahari pada kota Toraja (Rantepao) dalam 1 tahun



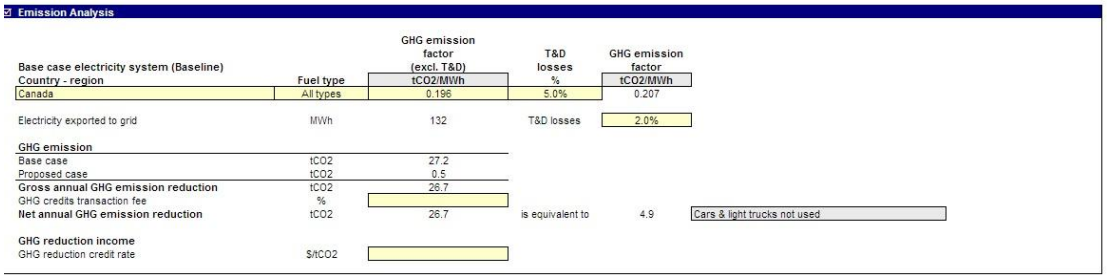
Hasil simulasi Retscreen International menggunakan manufaktur "Helios mono-Si-6T-245W".



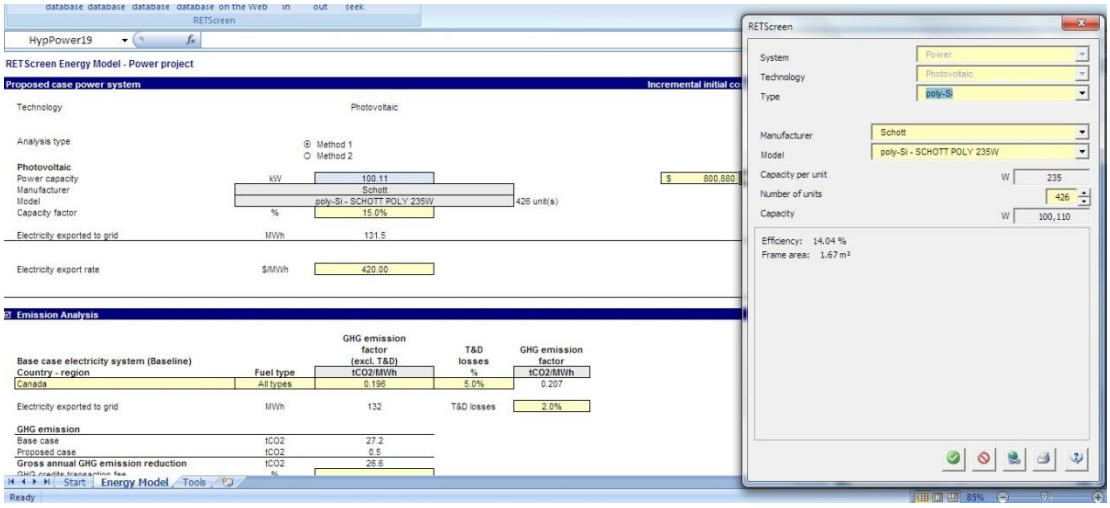
Proposed case power system



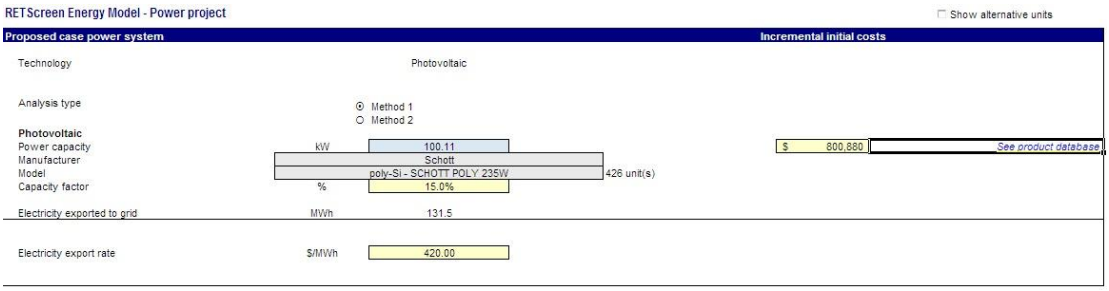
Emission analysis



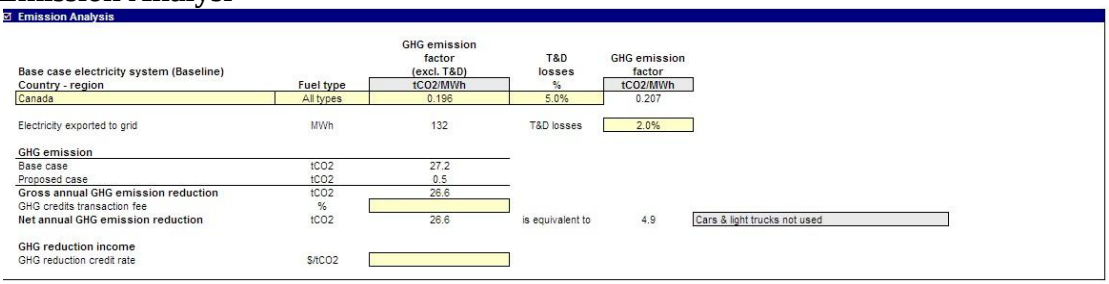
Hasil simulasi Retscreen International menggunakan manufaktur "Schott tipe poly-Si-Schott-poly 235W".



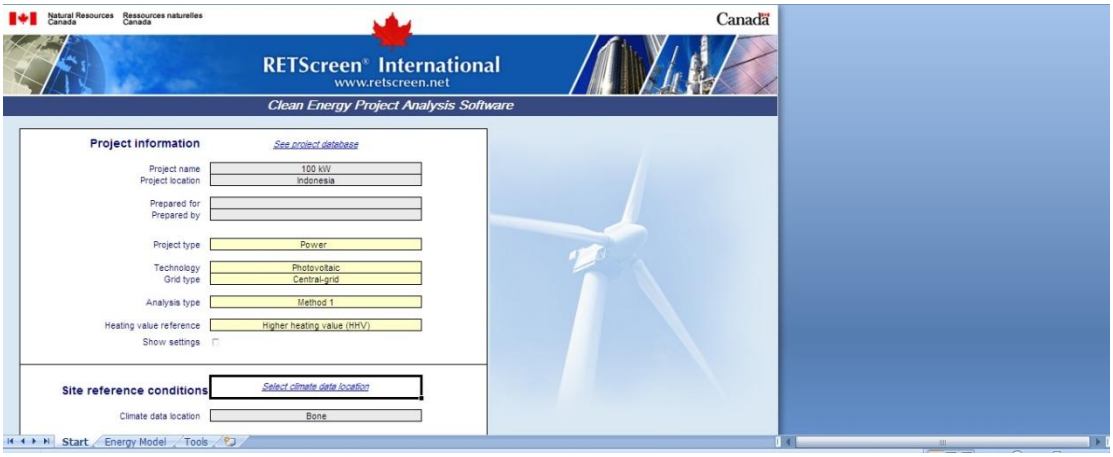
Proposed Case System



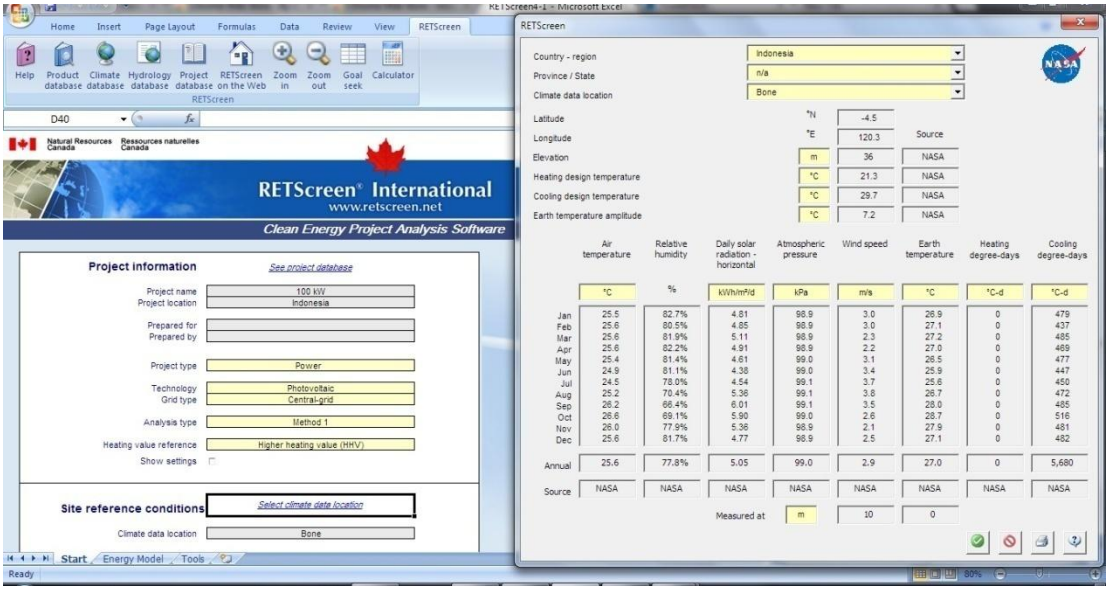
Emission Analysi



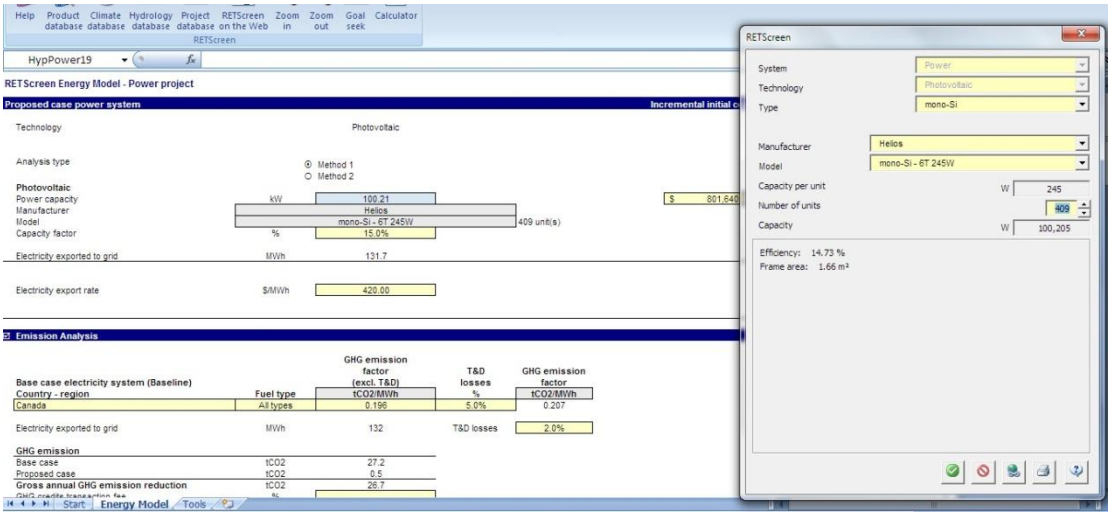
Lampiran 4 : Hasil simulasi Retscreen International untuk wilayah Bone



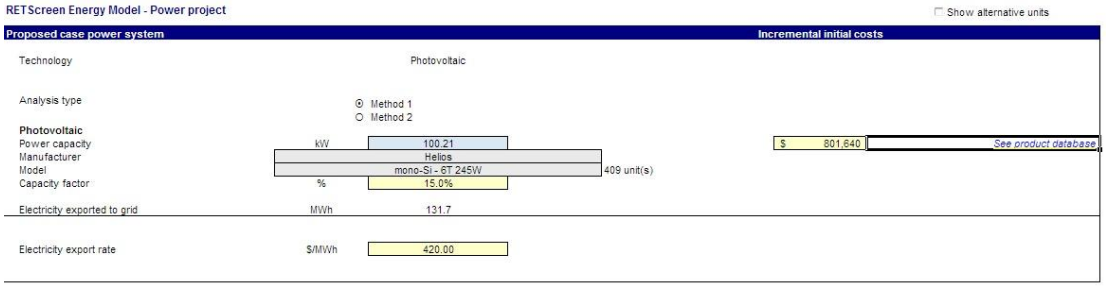
Data intensitas cahaya tahunan pada wilayah Bone



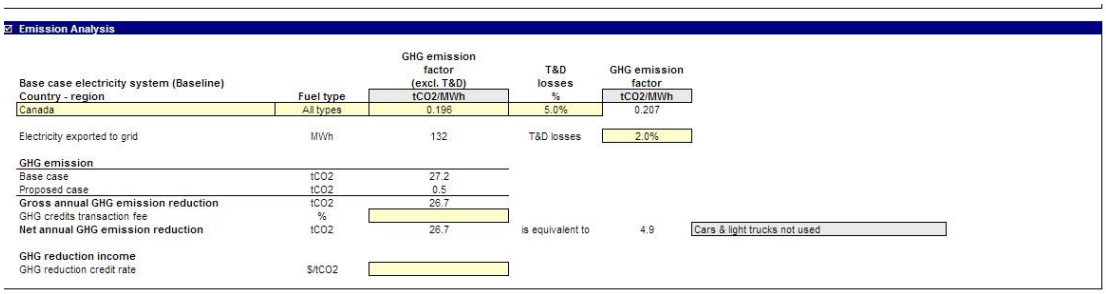
Hasil simulasi Retscreen International menggunakan manufaktur "Helios mono-Si-6T-245W".



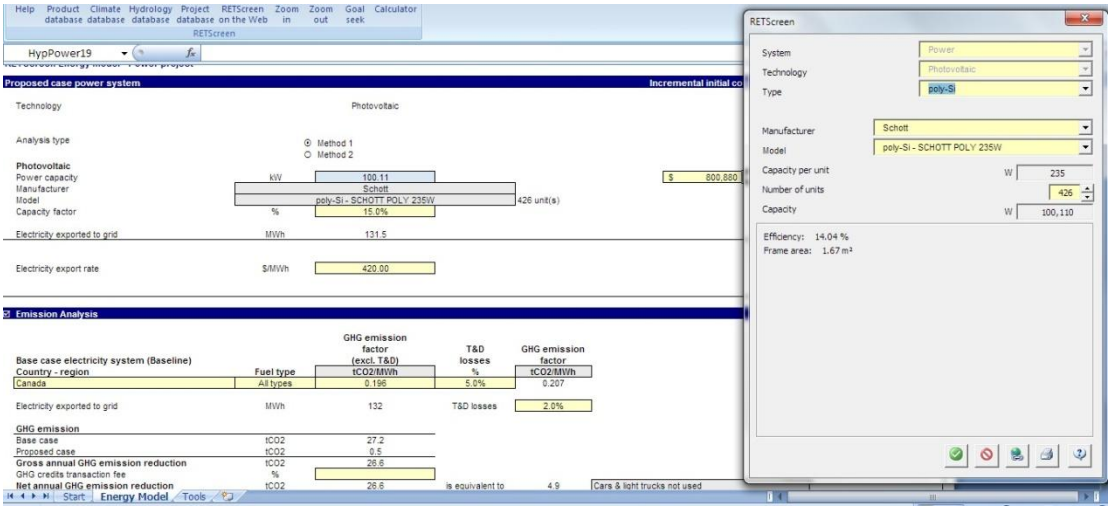
Proposed power system



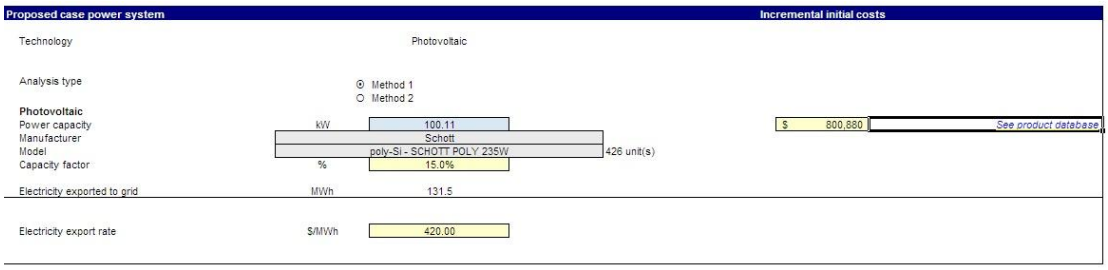
Emission analysis



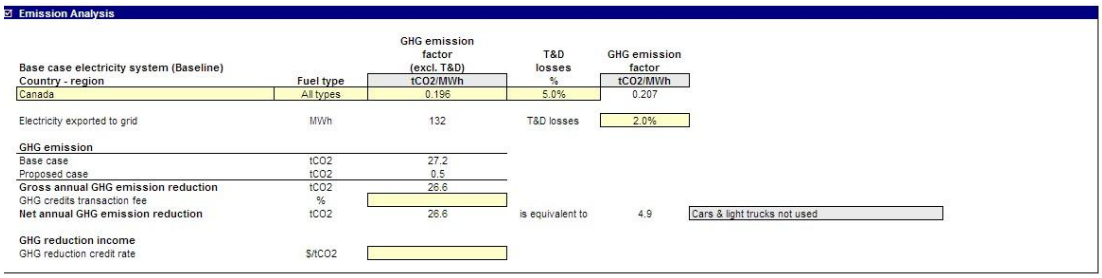
Hasil simulasi Retscreen International menggunakan manufaktur "Schott tipe poly-Si-Schott-poly 235W".



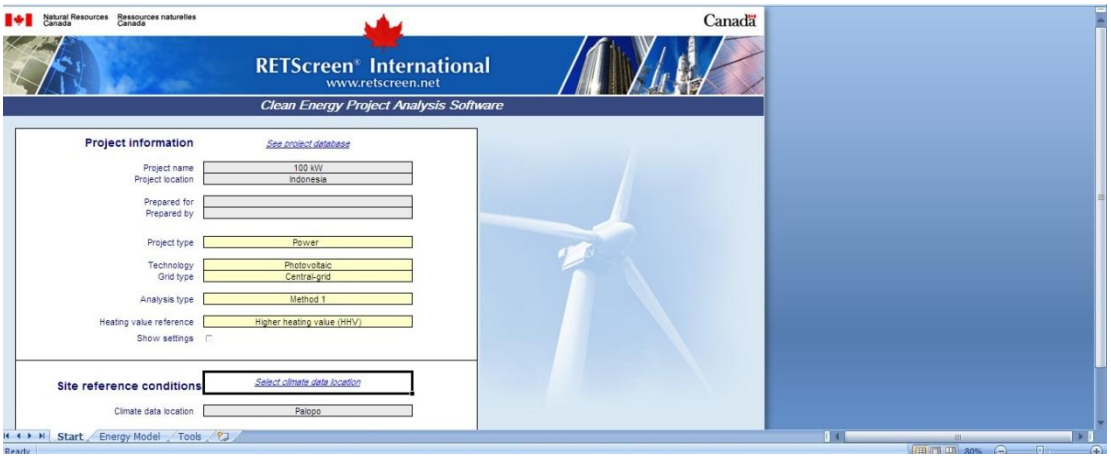
Proposed case power system



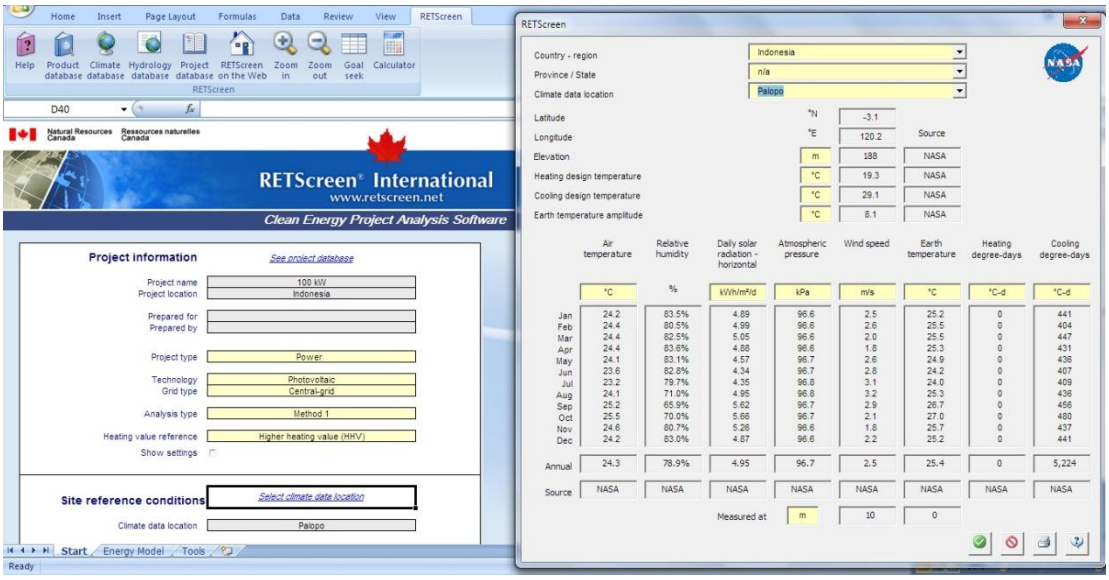
Emission analysis



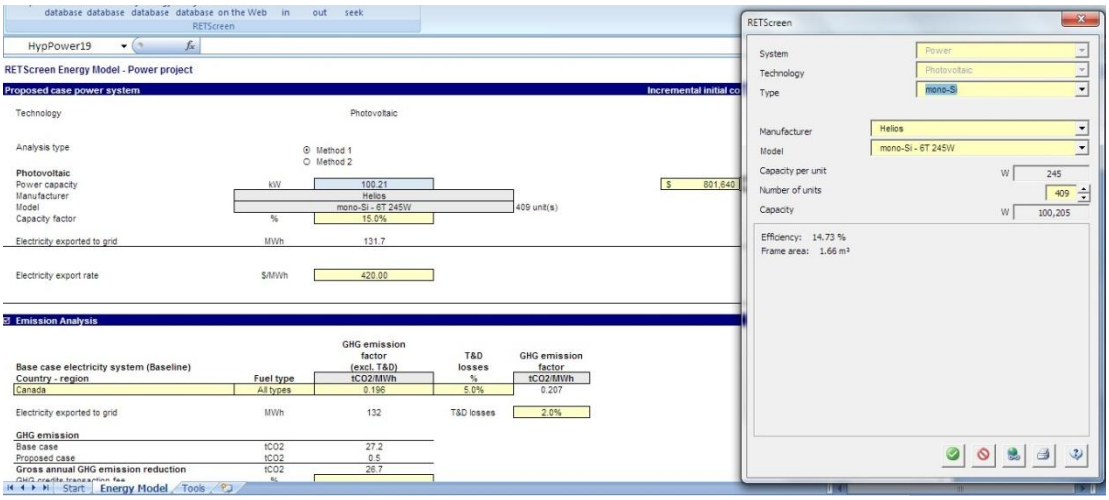
Lampiran 5 : Hasil simulasi Retscreen International untuk sistem Photovoltaik 100 kW pada Kota Palopo.



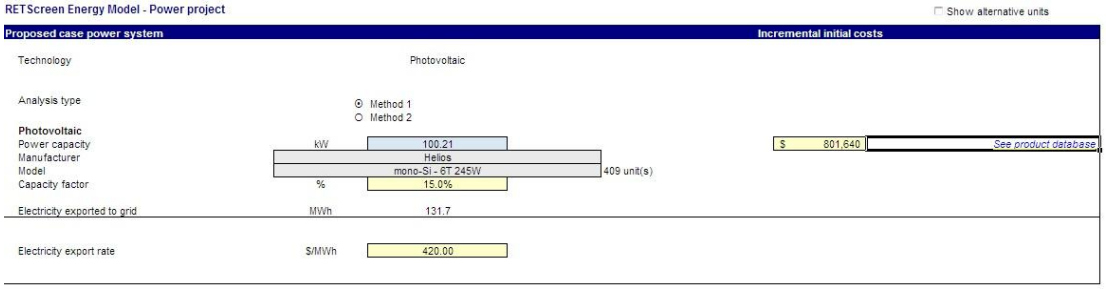
Data intensitas cahaya di Kota Pare-pare dalam 1 tahun



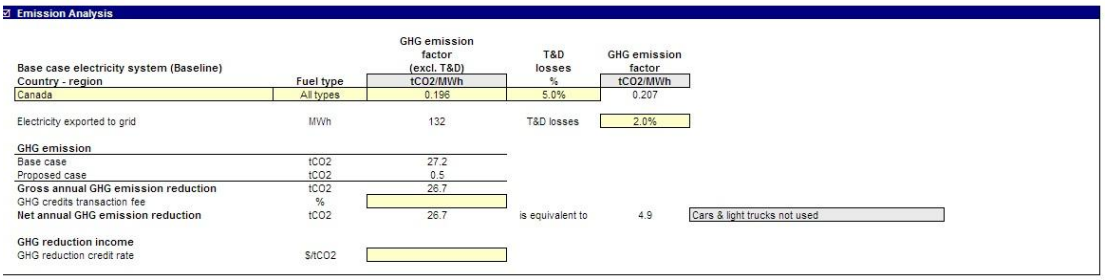
Hasil simulasi Retscreen International menggunakan manufaktur "Helios mono-Si-6T-245W".



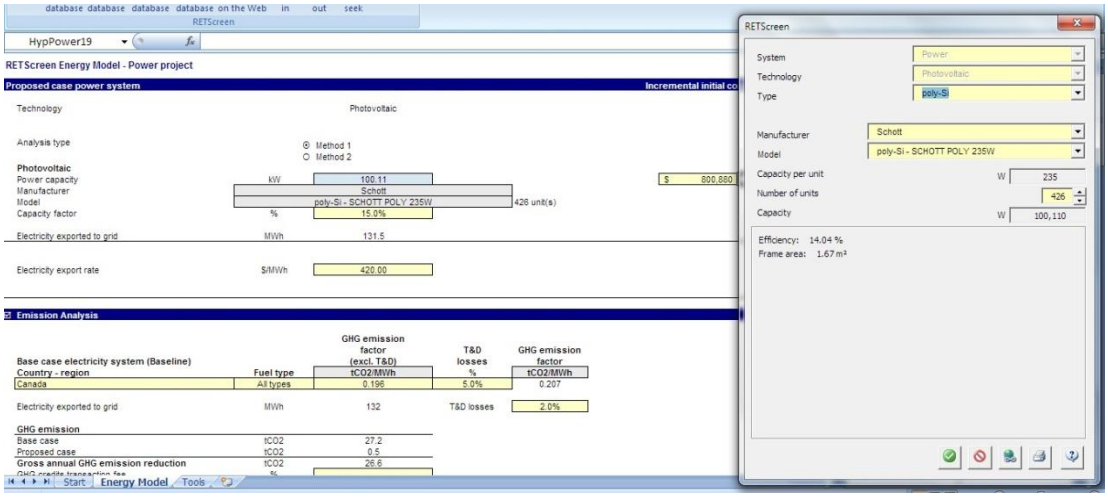
Proposed case power system



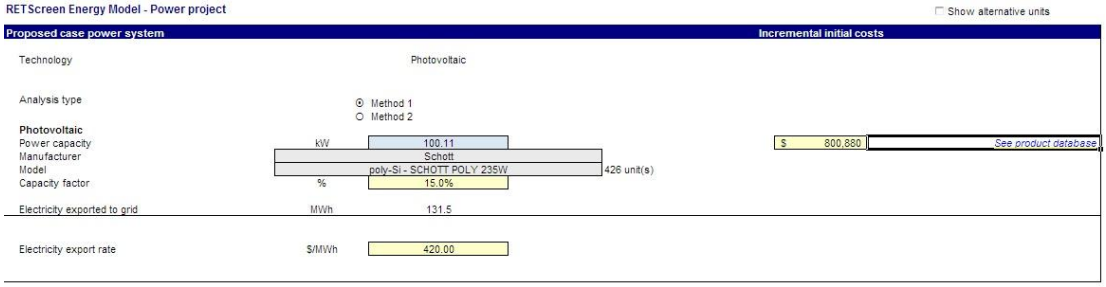
Emission analysis



Hasil simulasi Retscreen International menggunakan manufaktur "Schott tipe poly-Si-Schott-poly 235W".



Proposed case power system



Emission analysis