

DAFTAR PUSTAKA

1. Burgess H. Jenings. **GAS TURBINE ANALYSIS AND PRACTIS**. Mc Graw-Hill Book Company. New York 1953.
2. Firtz Dietzel, **TURBIN POMPA DAN KOMPRESSOR**. Alih bahasa Dakso Suryono, Penerbit Erlangga Jakarta 1992.
3. Gere and Timoshenko, **STRENGHT OF MATERIAL**. Second edition Krieger publishing New York 1976.
4. H. Cohen. GFC. Rogers, **GAS TURBINE TEORY**. Third edition, Longman Scientific & Technical, Jhon Wiley & Sons Inc. New York 1987.
5. Jhon W Sawyer, **GAS TURBINE ENGINEERING HAND BOOK**, Second edition volume I, Gas Turbine Publication Inc. Stanford 1976.
6. Kurmi RS, & J. Gupta, **MACHINE DESIGN** Second edition, raam Nagar, New Delhi.
7. Levebre, Arthur H, **TURBINE COMBUSTION**. Hemisphere Publisher, Co. USA 1983.
8. Petrovsky N, **MARINE INTERNAL COMBUSTIN ENGINEE**. Translate the Russian, By Horace E. Issackson, Mir Publisher moscow.
9. Gas Turbine MS-5000 general electric.
10. **Dasar-dasar perhitungan kekuatan bahan**, karangan S.Timoshenko, bagian satu, penerbit restu agung Jakarta.

11. **Gas turbin operation and maintenance** PT.Caltex Pacific Indonesia,
Muladaya Adi Pratama, Jakarta 1996.
12. **Training gas turbin**, Thomsson Internasional by Nederlands 1994.
13. **Dasar-dasar perencanaan dan pemilihan bahan elemen mesin**, karangan
Sularso, Kiyokatsu suga, penerbit PT. Pradanya paramita, Jakarta 1993.



LAMPIRAN

Tabel Konversi Satuan

<u>SATUAN PANJANG:</u>		<u>SATUAN BERAT:</u>	
1 mil	= 1760 yards = 5280 feet = 1,609 km.	1 US Long ton	= 2240 lbs. = 1016 kg.
1 yard	= 3 feet = 0,914 meter	1 US Short ton	= 2000 lbs. = 907 kg.
1 foot	= 12 inches = 308,4 mm	1 pound (lb)	= 16 ounces = 7000 grains = 0,454 kg.
1 inch	= 25,4 mm	1 ounce (oz)	= 0,0625 pound = 28,35 gr.
100 ft/min	= 0,508 m/det.	1 grain	= 64,8 m. gr. = 0,0023 ounce
1 km	= 1000 meter = 0,621 mil	1 lb/ft	= 1,488 kg/m
1 meter	= 1000 mm. = 1,094 yard. = 3,281 feet = 39,37 inches	1 metrik ton	= 1000 kg = 0,984 long ton = 2205 lbs.
1 mikron	= 0,001 mm = 0,000039 inch	1 kilogram	= 1000 gram = 2,205 pounds
1 m/det.	= 196,9 ft/min.	1 gram	= 1000 m. gr. = 0,03527 ounce = 15,43 grains
<u>SATUAN LUAS:</u>		1 kg/m	= 0,672 lbs/ft
1 mil.2	= 640 Acres = 259 Hektar	<u>SATUAN VOLUME:</u>	
1 Acre	= 4840 sq. yards = 0,4047 Hektar	1 cu. yard	= 27 cu. feet = 0,765 m ³
1 sq. yard	= 9 sq. feet = 0,836 m ²	1 cu. foot	= 1728 cu. inches = 28,32 liter
1 sq. foot	= 144 sq. inches = 0,0929 m ²	1 cu. inch	= 16,39 mm ³
1 km ²	= 100 Hektar = 0,3861 sq. mile	1 Imp. gallon	= 277,4 cu. inches = 4,55 liter
1 Hektar	= 10.000 m ² = 2,471 Acres	1 US Gallon	= 0,833 Imp. gallon = 3,785 liter = 231 cu. inches
1 m ²	= 1.000.000 mm ² = 1,196 sq. yards = 10,76 sq. feet		

IDEAL-GAS PROPERTIES OF AIR (MASS BASIS)

T , K	h , kJ/kg	u , kJ/kg	s° , kJ/kg·K	P_r	P_r
100	99.76	71.06	5.6008	0.02990	2230
110	109.77	78.20	5.6963	0.04171	1758.4
120	119.79	85.34	5.7836	0.05652	1415.7
130	129.81	92.51	5.8638	0.07474	1159.8
140	139.84	99.67	5.9380	0.09681	954.2
150	149.85	106.81	6.0071	0.12218	812.0
160	159.87	113.95	6.0718	0.15131	691.4
170	169.89	121.11	6.1326	0.19068	594.5
180	179.92	128.28	6.1898	0.23279	515.6
190	189.94	135.40	6.2440	0.28114	450.6
200	199.96	142.56	6.2953	0.3363	396.6
210	209.97	149.70	6.3442	0.3987	351.2
220	219.99	156.84	6.3908	0.4690	312.8
230	230.01	163.98	6.4354	0.5477	280.0
240	240.03	171.15	6.4780	0.6355	251.8
250	250.05	178.29	6.5190	0.7329	227.45
260	260.09	185.45	6.5582	0.8405	206.26
270	270.12	192.59	6.5961	0.9590	187.74
280	280.14	199.78	6.6326	1.0889	171.45
290	290.17	206.92	6.6678	1.2311	157.07
300	300.19	214.09	6.7018	1.3860	144.32
310	310.24	221.27	6.7348	1.5546	132.96
320	320.29	228.45	6.7667	1.7375	122.81
330	330.34	235.65	6.7976	1.9352	113.70
340	340.43	242.86	6.8277	2.149	105.51
350	350.48	250.05	6.8569	2.379	98.11
360	360.58	257.23	6.8852	2.626	91.40
370	370.67	264.47	6.9129	2.892	85.41
380	380.77	271.72	6.9399	3.176	79.77
390	390.88	278.96	6.9661	3.481	74.71
400	400.98	286.19	6.9917	3.806	70.07
410	411.12	293.45	7.0167	4.153	65.83
420	421.26	300.73	7.0412	4.522	61.93
430	431.43	308.03	7.0651	4.915	58.34
440	441.61	315.34	7.0885	5.332	55.02
450	451.83	322.66	7.1114	5.775	51.96
460	462.01	329.99	7.1338	6.245	49.11
470	472.25	337.34	7.1558	6.742	46.48
480	482.48	344.74	7.1774	7.268	44.04
490	492.74	352.11	7.1985	7.824	41.76
500	503.02	359.53	7.2193	8.411	39.64
510	513.32	366.97	7.2397	9.031	37.65
520	523.63	374.39	7.2598	9.684	35.80
530	533.98	381.88	7.2795	10.372	34.07
540	544.35	389.40	7.2989	11.097	32.45
550	554.75	396.89	7.3179	11.858	30.92

SOURCE: Adapted to SI units from *Gas Tables* by Joseph H. Keenan and Joseph Kaye. Copyright by John Wiley & Sons, Inc., 1948.