

## DAFTAR PUSTAKA

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## LAMPIRAN

### 1. Tabel Data Bus Sistem IEEE 14 Bus

Bus	Tegangan Nominal (KV)
Bus 1	132
Bus 2	132
Bus 3	132
Bus 4	132
Bus 5	132
Bus 6	33
Bus 7	1
Bus 8	11
Bus 9	33
Bus 10	33
Bus 11	33
Bus 12	33
Bus 13	33
Bus 14	33

### 2. Tabel Data Beban Sistem IEEE 14 Bus

No	Load	Bus	Daya Aktif (MW)	Daya Reaktif (MW)
1	2	Bus 2	21,7	12,7
2	3	Bus 3	94,2	19
3	4	Bus 4	47,8	-3,9
4	5	Bus 5	7,6	1,6
5	6	Bus 6	11,2	7,5
6	9	Bus 9	29,5	16,6
7	10	Bus 10	9	5,8
8	11	Bus 11	3,5	1,8
9	12	Bus 12	6,1	1,6
10	13	Bus 13	13,5	5,8
11	14	Bus 14	14,9	5

3. Tabel Data Pembangkitan Sistem IEEE 14 Bus

GENERATOR	BUS	BUS TYPE	VOLTAGE (p.u)	DAYA AKTIF (MW)	DAYA REAKTIF (MW)
G 01	Bus 1	SLACK	1,01	232,4	-16,9
G 02	Bus 2	PV	1,005	40	42,2
G 03	Bus 3	PV	1,005	0	23,4
G 06	Bus 6	PV	1,02	0	12,2
G 08	Bus 8	PV	1,03	0	17,4

4. Data Transformator Sistem IEEE 14 Bus

TRANSFORMATOR	BUS AWAL	BUS TUJUAN	Ur HV (Kv)	Ur LV (Kv)	R (p.u)	X (p.u)
Trf 4-2	Bus 4	Bus 7	132	1	0	0,20912
Trf 4-9	Bus 4	Bus 9	132	33	0	0,55618
Trf 5-6	Bus 5	Bus 6	132	33	0	0,25202
Trf 7-8	Bus 7	Bus 8	11	1	0	0,17615
Trf 7-9	Bus 7	Bus 9	33	1	0	0,11001

5. Tabel Data Saluran Transmisi Sistem IEEE 14 Bus

Line	BUS AWAL	BUS TUJUAN	V (Kv)	R Ohm/km	X Ohm/km	B $\mu$ s/km
1-2/1	Bus 1	Bus 1	132	6,75355	20,6196	151,515
1-2/2	Bus 1	Bus 2	132	6,75355	20,6196	151,515
1-5	Bus 1	Bus 5	132	9,41419	38,8625	282,369
2-3	Bus 2	Bus 3	132	8,18754	34,4943	251,377
2-4	Bus 2	Bus 4	132	10,1251	30,722	214,647
2-5	Bus 2	Bus 5	132	9,92297	30,2969	195,133
3-4	Bus 3	Bus 4	132	11,6758	29,8003	198,577
4-5	Bus 4	Bus 5	132	2,3261	7,33725	73,4619
6-11	Bus 6	Bus 11	33	1,03433	2,16602	0
6-12	Bus 6	Bus 12	33	1,33849	2,78577	0
6-13	Bus 6	Bus 13	33	0,72037	1,41864	0

9-10	Bus 9	Bus 10	33	0,34641	0,92021	0
9-14	Bus 9	Bus 14	33	1,38423	2,94444	0
10-11	Bus 10	Bus 11	33	0,89352	2,09164	0
12-13	Bus 12	Bus 13	33	2,40582	2,17669	0
13-14	Bus 13	Bus 14	33	1,86143	3,78994	0