

No	Fasilitas Pendukung	Jumlah (Unit)	Fasilitas	Sumber	Standart	Jumlah	Total
Bar							
1.	Main bar	1		perhitungan	Lampu TL 40 watt, pijar 18 watt, kipas angin gantung 110 watt	Lampu TL 2, pijar 4, kipas angin gantung 2	372 watt
Restaurant							
Front area							
1.	Guest sitting area	1			Loudspeaker 60 watt	Lampu pijar 14	3012 watt
2.	Meja saji (presmanan)				Amplifier 600 watt	lampu TL8	
3.	Cocktail area				Lampu TL 40 watt	2	105 watt
4.	Stage area			perhitungan	Lampu pijar 18 watt AC ½ pk 430 watt Exhaust fan	loudspeaker 1 amplifier AC 4 TL 2, exhaust fan	
5.	Ruang musik					Exhaust fan 2 TL	130 watt
6.	Lavatory restaurant					Exhaust fan 2 TL 2	
Total							3247 watt
Back area							
1.	Preparing area	1			Exhaust fan 25 watt	TL 10	1480
2.	Kichen office	1					
3.	Cooking area	1			Lampu TL 40 watt	Kipas angin 4	
4.	Pantry area	1					
5.	Order & picking food	1			Kipas angin gantung 110 watt	Kulkas 4 Kulkas	

			Sofa 4 org Meja kursi Mini bar			es 1 1 exhaust fan	watt
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jumlah

48090

watt

Spa & Sauna

1.	Dry therapy	5	perhitungan	5 Lampu TL 40 watt	5 Lampu TL
2.	Wet therapy	5		30 Lampu Pijar 18 watt	30 Lampu Pijar
3.	Sauna	5		1 TV plasma 50 watt	1 TV plasma
				6 AC Split1/2 PK 430 watt	6 AC Split1/2
				1 Water heater 200 watt	1 Water Heater
				1 exhaust fan 25 watt	1 exhaust fan

Total

3595 watt

Permainan Air

1.	Jetski	10	perhitungan	10 Lampu TL 40 watt	400 watt
2.	Speedboat	5		6 Lampu sodium 40 watt	240 watt
3.	Banana boat	5			
4.	Sampan	10			
5.	Kapal layar	9			

Total

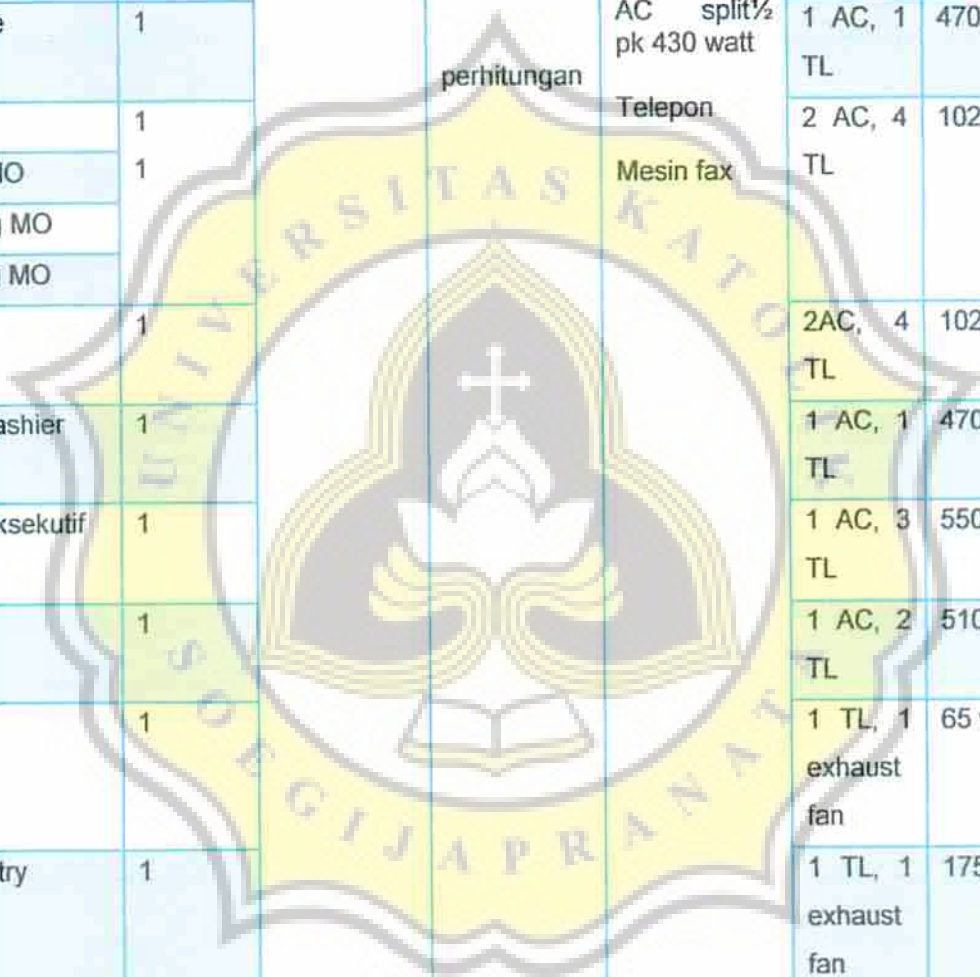
640 watt

No	Fasilitas Utama	Jmlh (Unit)	fasilitas	Sumber	Standart	Jumlah	Total
Cottage							
1.	Junior chalets	20	Twin bed Shower Toilet Washtafel Rak baju Sofa 2 org Meja kursi Mini bar	perhitungan		3 lampu TL Lampu pijar 6 TV plasma 1 AC 1 Lemari es 1 1 exhaust fan	@775 watt = 20 x 775 = 15500 watt
2.	Standart chalets	15	Double bed / triple bed Shower Toilet Wahstafel Rak baju Sofa 3 org Meja kursi Mini bar	perhitungan	Lampu TL 40 watt Lampu Pijar 18 watt TV plasma 50 watt AC Split 1/2 PK430 watt	3 lampu TL Lampu pijar 6 TV plasma 1 AC 1 Lemari es 1 1 exhaust fan	@ 775 watt = 15 x 775 watt =11625 watt
3.	Deluxe chalets	10	Double bed Bathtub double Shower Toilet Wahstafel Rak baju Sofa 2 org Meja kursi Mini bar	perhitungan	Lemari es 45 watt Exhaust fan 25 watt	4 lampu TL Lampu pijar 8 TV plasma 1 AC 1 Lemari es 1 1 exhaust fan	@ 1384 watt = 10 x 1384wa tt = 13840 watt
4.	Grand deluxe chalets	5	2 Double bed Bathtub single Private pool Shower Toilet Wahstafel Rak baju	perhitungan		5 lampu TL Lampu pijar 8 TV plasma 1 AC 1 Lemari	@1425 watt = 5 x 1425 watt = 7125

6.	Pastry & bakery area	1	perhitungan	Kulkas		sayur dan buah 4		
7.	Steward room	1		Freezer 115 watt	Kulkas buah dan sayuran 110 watt			
8.	Room service station	1				TL 2, Kipas angin	190 watt	
9.	Dryfood storage	1				Exhaust fan 2, TL 4	210 watt	
10.	Frozen food storage	1				Freezer 10 TL 4, exhaust fan 2	1360 watt	
11.	Gudang bahan bakar	1				4 TL, 2 exhaust fan	210 watt	
Total							3450 watt	
Café and barbeque area								
1.	Stage area			perhitungan	Loudspeaker 60 watt	2	loudspeaker,	832 watt
					Amplifier 600 watt	1	amplifier,	
					Lampu TL 40 watt		Lampu pijar 4,	
2.	R. music			Lampu pijar 18 watt	1	lampu TL		
				Kipas angin gantung 110 watt		lampu TL 2, 1	105 watt	
				Exhaust fan		exhaust fan		
3.	Coffe shop					Lampu TL	304 watt	

						4, Lampu pijar 8	
4.	Coffe shop kitchen					Lampu TL 2, lampu pijar 2, kipas angin 1, exhaust fan	251 watt
5.	Lounge					TL 2, pijar 4, kipas angin gantung	262 watt
6.	Lavatory					Exhaust fan 2,2 TL	130 watt
7.	Barbeque area					Pijar 8, TL 4, kipas angin 2	524 watt
Total							2408 watt
Fasilitas Binatu							
1.	Uniform room	2				Lampu TL 40 watt	4 TL, 6 mesin
2.	Room boy station	4					cuci,
3.	Linen room	1			perhitungan	Mesin cuci 210 watt	setrika 6
4.	Laundry room	1				Setrika 300 watt	Exhaust fan 2
5.	Gudang	4				Kipas angin gantung 110 watt	Kipas angin 4
						Exhaust fan	2 TL, exhaust fan
7.	Binatu office	1					1 TL, 1 kipas angin
Total							3840 watt

No	Fasilitas ruang pengelola	Jumlah (Unit)	Fasilitas	Sumber	Standart	Jumlah	Total
R. Manager							
1.	GM Office	1			Lampu TL 40 watt	1 TL, 1 AC	470 watt
2.	Ass. GM Office	1			Exhaust fan	1 AC, 1 TL	470 watt
3.	Sekretaris	1			Kipas angin gantung 110 watt	1 AC, 1 TL	470 watt
4.	F& B Office	1			AC split $\frac{1}{2}$ pk 430 watt	1 AC, 1 TL	470 watt
5.	Sales MO	1			Telepon	2 AC, 4	1020 watt
6.	Personal MO	1			Mesin fax	TL	
7.	Purchasing MO						
8.	Accounting MO						
9.	R.Staff	1				2AC, 4 TL	1020 watt
10.	General Cashier	1				1 AC, 1 TL	470 watt
11.	R.Rapat Eksekutif	1				1 AC, 3 TL	550 watt
12.	R.Tunggu	1				1 AC, 2 TL	510 watt
13.	G.Arsip	1				1 TL, 1 exhaust fan	65 watt
14.	Office Pantry	1				1 TL, 1 exhaust fan 1 kipas angin gantung	175 watt
15.	Lavatory	2				2 TL, 1 exhaust fan	105 watt
Total							5795 watt



R. Karyawan							
No	Fasilitas Ruang Penerima	Jumlah (Unit)	fasilitas	Sumber	Standart	Jumlah	Total
1.	R.Makan Karyawan	1	perhitungan	perhitungan	Lampu TL 40 watt	2 TL, 2 Kipas	300 watt
2.	Dapur Karyawan	1			Exhaust fan	1 TL, 1 Exhaust Fan	65 watt
3.	Locker Karyawan	1			Kipas angin gantung	2 TL, 1 kipas	190 watt
4.	Bilik Ganti	2			2 TL	80 watt	
5.	Lavatory	2			2 TL, 1 exhaust fan	105 watt	
6.	R.Ibadah	1			4 TL, 2 Kipas	380 watt	
Total							520 watt
Lobby							
1.	Lobby	1	perhitungan	perhitungan	Lampu TL 40 watt	4 TL, 6 pijar	268 watt
2.	Lounge	1			Lampu pijar 18 watt	4 TL	160 watt
3.	Lavatory	1			2TL	2 Pijar	76 watt
4.	Security	2			1 TL	40 watt	
5.	Mini Bar	1			1 TL, 4 pijar	112 watt	
Total							656 watt
Front office							
1.	Manager office	1	perhitungan	perhitungan	Lampu TL 40 watt	1	40 watt
2.	Reservation room	1				1	40 watt
3.	Information	1				1	40 watt
4.	Cashier	1				1	40 watt
5.	Operator	1				1	40 watt
6.	Receptionist	1				1	40 watt
7.	Mail and key track	1				2	80 watt
Total							320 watt

No.	Fasilitas Mekanikal Elektrikal	Jumlah (Unit)	fasilitas	Sumber	Standart	Luas Unit	Total
1.	R.Kabag Teknik	1	perhitungan	Lampu TL 40 watt		1	40 watt
2.	R.Instalasi Air	1				1	40 watt
3.	Genset	1				1	40 watt
4.	R.PABX	1				1	40 watt
5.	R.Mekanikal Elektrikal	1				1	40 watt
6.	R.Panel Listrik	1				1	40 watt
7.	R.Bahan Bakar	1				1	40 watt
8.	R.Bioler	1				1	40 watt
9.	R. Tabung Gas LPG	1				1	40 watt
10.	R.Trafo PLN	1				1	40 watt
Luasan							400 watt

No.	Fasilitas Parkir	Jumlah(Unit)	fasilitas	Sumber	Standart	jumlah	Total
1.	Mobil pengelola	9	Lampu out door untuk parkir dan jalan, taman	perhitungan	Lampu sodium 40 watt Lampu Si tornado 32 watt	10	400 watt
2.	Motor karyawan	35				25	800 watt
3.	Mobil tamu	15					
4.	Motor tamu	40					
5.	Bus pariwisata	2					
6.	Truk barang	2					
Total							1200 watt

Asumsi Kebutuhan daya pada resort

✓ Cottage	24 jam x 48090 watt	= 1.154.160 WH
✓ Spa & Sauna	7 jam x 3595 watt	= 25.165 WH
✓ Permainan Air	7 jam x 640 watt	= 4.480 KW
✓ Resto	24 jam x 6690 watt	= 160.560 KW
✓ Café & Barbeque	7 jam x 2408 watt	= 16.856 WH
✓ Fasilitas Binatu	12 jam x 3840 watt	= 46.080 WH
✓ Pengelola	7 jam x 6315 watt	= 44.205 WH
✓ Lobby	24 jam x 976 watt	= 23.424 WH
✓ MEE	12 jam x 400 watt	= 4.800 WH
✓ Parkir	12 jam x 1200 watt	= 14.400 WH

Kebutuhan luas total = 1.477.274 WH = 1.477,274 KWH