

## LAMPIRAN

### Data Beban Pantai Baru

RISTEK		Data Teknis Sistem PLTH Turbin Angin & Panel Surya Pantai Baru Bantul DIY			Logo	
<b>1. Penghasil Energi</b>						
NO.	Grup	Pembangkit		Jumlah Unit	Jumlah Daya	
1.	Grup Timur	Sistem 48 V (Selatan)	Turbin Angin 1 KW / 48 V	4 Unit	4 KW	
		Sistem 240 V	Turbin Angin 2,5 KW / 240 V	2 Unit	5 KW	
			Turbin Angin 10 KW / 240 V	2 Unit	20 KW	
			Panel Surya 4 KW / 240 V	40 Unit @ 100W	4 KW	
		Sistem 110 V	Turbin Angin 2 KW / 110 V	2 Unit	4 KW	
Sistem 48 V (Utara)	Turbin Angin 1 KW / 48 V	2 Unit	2 KW			
2.	Grup Barat	Sistem 240 V	Turbin Angin 1 KW / 240 V	21 Unit	21 KW	
		Panel Surya 15 KW / 240 V	150 Unit @ 100W/12V	15 KW		
3.	Grup KKP	Sistem 48 V	Panel Surya 10 KW / 48 V	48 Unit @ 220W/24V	10 KW	
			Panel Surya 2 KW / 48 V	10 Unit @ 180W/24V	2 KW	
Total Penghasil Energi Keseluruhan					87 KW	
<b>2. Penyimpan Energi</b>						
NO.	Grup	Battery (AKI)		Jumlah Unit	Jumlah (Ah)	
1.	Grup Timur	105 Ah / 12 V		16 Unit	420 Ah / 48 V	
		120 Ah / 12 V		20 Unit	120 Ah / 240 V	
2.	Grup Barat	100 Ah / 12 V		80 Unit	400 Ah / 240 V	
		105 Ah / 12 V		80 Unit	420 Ah / 240 V	
3.	Grup KKP	1000 Ah / 2 V		72 unit	3000 Ah / 48 V	
Total Penyimpan Energi Keseluruhan					4045 Ah	
<b>3. Pengguna Energi</b>						
NO.	Inverter	Beban			Jumlah Beban	
1.	2 KW / 48 V (1 Phase)	10 Unit Lampu P2U	20 Watt	Malam	300 Watt	
		2 Unit Lampu P3U 1 Unit Lampu	50 Watt 8 Watt			
2.	15 KW / 240 V (3 Phase)	1 Unit Mesin Ex Balok	6 KW	Siang	6,75 KW	
		1 Unit Mesin Giling Ex	750 Watt			
3.	10 KW / 240 V (1 Phase)	1 Unit Mesin Ex Kristal	3 KW	Siang	5,75 KW	
		1 Unit Mesin Ex Kristal	2,5 KW			
		1 Unit 2et Pump	250 Watt			
		1 Unit Lampu Indikator Menara 50m	60 Watt	Malam	4002 Watt (4 KW)	
		10 Unit Lampu Penerangan Kantor 44 Unit Lampu P2U 200 Unit Lampu Penerangan Warung	20Watt 23 Watt 15 Watt			
2 Unit Televisi	65 Watt	Siang / Malam	3280 Watt (3,3 KW)			
3 Unit Kipas Angin	50 Watt					
5 Unit Dispenser	350 Watt					
10 Unit Pompa Air	125 Watt					
4.	3 KW / 48 V (1 Phase)	5 Unit Lampu Penerangan	11 Watt	Siang / Malam	2035 Watt (2 KW)	
		33 Unit Pompa Aquaponik	60 Watt			
5.	2 KW / 48 V (1 Phase)	1 Unit Mesin Ex Kristal	1,5 KW	Siang / Malam	1600 Watt (1,6 KW)	
		1 Unit Sterilizer Water	100 Watt			
Total Pengguna Energi Keseluruhan					23615 Watt (24 KW)	



## Genset Biogas



(<https://www.alibaba.com>)

## Spesifikasi Genset Biogas

Type	Biogas Generator
Suitable gas	Biogas/LPG
Rated Power(BIOGAS/LPG)	3000W/4600W
Max. Power(BIOGAS/LPG)	3500W/4800W
Frequency	50HZ
DC Output	12V 8.3A
Generator Type	Single-phase Brush Motor
Engine Type	CC168F
Bore X Stroke	88 x 64mm
Displacement	389cc
Ignition System	T.C.I.
Engine oil capacity(L)	0.59
Gas consumption(m <sup>3</sup> /h)	3.5
Standard Equipment	Waterproof European Socket
	V-Type DC Socket
	AC Circuit Breaker
	DC Circuit Breaker
Dimensions	Passive and flying lubricant
Colour	your choice
Certificates	ISO 9001:2008, CE
Size	710*710*600mm
Weight	95kg