



# CV. Cihanjuang Inti Teknik

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## Pembangkit Listrik Tenaga Air TURBINE CROSS FLOW



Untuk Head ( Tinggi Jatuh ) :  
8 mtr s/d 120 mtr



SPESIFIKASI :			
<b>TURBIN :</b>		<b>RUNNER BLADE :</b>	
Type	: Cross Flow / Aliran Silang	Type	: Fix Blade
Daya	: by design	Material	: Stainless Steel
Putaran	: by design	<b>GUIDE VANE :</b>	
Jumlah	: 1 unit	Type	: Adjustable Guidevane
Debit air	: by design	Material	: Stainless Steel
Tinggi jatuh air	: 8 meter s/d 100 meter	<b>PULLEY :</b>	
<b>GENERATOR :</b>		Type	: V Belt / Flat Belt
Type	: A & SYNCHRONOUS GENERATOR	Jumlah	: by design
Daya	: by design		
Jumlah	: 1 Unit		
Power Factor/Cos -	: ..		
Tegangan	: 220/380 Volt		
AVR	: None / Yes		
Buatan	: Jepang / Eropa ( By Request )		
<b>PANEL KONTROL :</b>			
Type	: IGC / ELC ( AUTOMATIC LOAD CONTROL )		
Proteksi	: Over / Under Voltage , Over/Short Circuit Current		
Dummy Load	: by design		

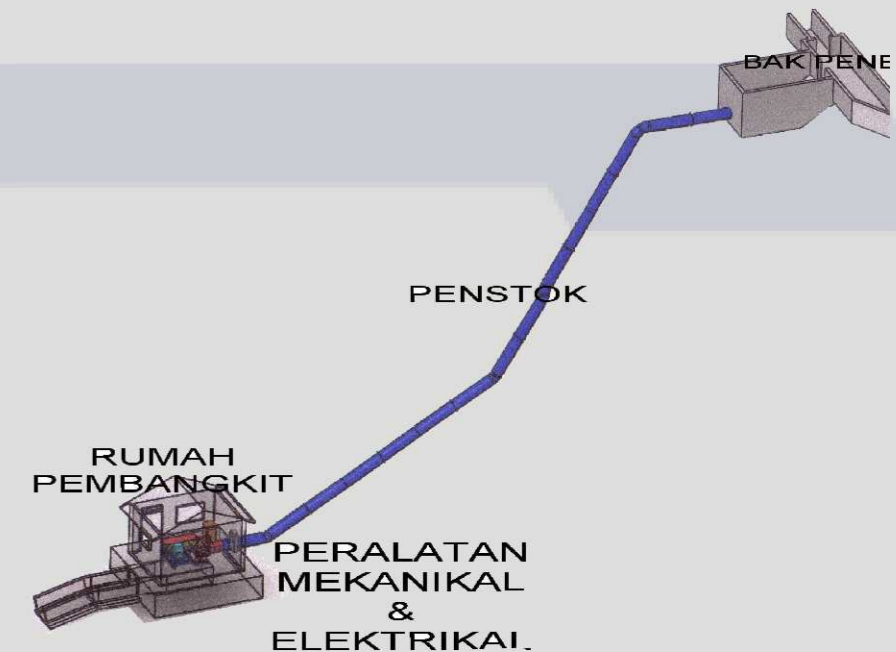
Pengukuran Potensi Energi

$$P = Q \times H \times g \times \rho$$

$$P = \text{Daya (Watt)}$$

$$H = \text{Ketinggian/Head (m)}$$

$$G = 9,8 \text{ Konstanta Gravitasi (m/s}^2\text{)}$$



TURBINE CROSS FLOW Ø 200 BO 100		
Tinggi Air (Meter)	Debit (l/dtk)	Daya (Kw)
8	50	2,7
10	56	3,8
15	70	7
20	80	10,75
30	100	20

TURBINE CROSS FLOW Ø 300 BO 200		
Tinggi Air (Meter)	Debit (l/dtk)	Daya (Kw)
8	135	7,25
10	151	10
12	166	13
14	180	16,5
20	214	28,6
30	260	52,5

