

Manajemen Hasil Energi Listrik pada Pembangkit Listrik Tenaga Mikrohidro di Desa Batur – Kabupaten Probolinggo (*Management Electricity Energy Product in Microhydro Powerplant at Desa Batur-Kabupaten Probolinggo*)

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Abstract

Management of electricity energy product from microhydro power plant at Desa Batur is did to manage and arrange the distribution of energy consumption for public. Survey, observation, measuring of water flow rate, and accounting the output power from the microhydro powerplant installation is did in this research to easier the electricity energy distribution with install on the power circuit breaker which will arrange big and small of energy consumption for every house of consumer. Water flow rate at Klepo river is known as bis as 0,72 m³/s with output power in amount of 1.135 Watt. The amount of electricity energy consumption for 17 house are 485,33 kWh per month from electricity product of microhydro powerplant as big as 616,52 kWh so that efficiency point of system 78,72%. Every house of public pay Rp 883,93,- per kWh of usage energy.

Keywords : *Water Flow Rate, Microhydro, Efficiency, Energy Consumption, Power*