

**STANDARDS PRODUCTION FAILURE IDENTIFICATION OF
HYPOCHLORITE GENERATOR MODULE IN PLTU PT. PJB UP
PAITON UNIT 1 & 2**

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ABSTRACT

Hypochlorite Generator is the main equipment contained in Chlorination Plant which has function to produce sodium hypochlorite by sea water electrolysis process. Sodium hypochlorite is a liquid or chemical used for cooling water system at PLTU Paiton Unit 1 & 2. Injection of sodium hypochlorite aims to weaken or prevent marine biota so as not to breed in the cooling system or induced in the installation so can be Causing a decrease in coolant working efficiency and may harm the plant. In order the hypochlorite generator operate according to the dosing and its performance is maintained, it is maintained by routine checks such as measuring the voltage on the cell module in order to know the problems that occur in the hypochlorite generator. Common problems such as unbalance volts, and occurrence of blockages. The nominal voltage in this study should be 8.75 volts with a tolerance of approximately 2.4. After it is known from the result of identification that there is an unstable problem of stress and there is precipitate, then by cleaning the problematic cell module is the right action to make the problem voltage back to normal and reach the nominal value again so that the performance of the generator module returns optimally

Key word : *Hypochlorite Generator, Cell Module, Unbalance Volt, Dosing, Sodium Hypochlorit, Elektrolysis*