

Variasi Jumlah Penggunaan Elektroda Netral Terhadap Performa Generator HHO Dry Cell Menggunakan Stainless Steel 304 (*Total Usage Variation Neutral Electrodes in Dry Cell HHO Generator Performance Using Stainless Steel 304*).

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ABSTRACT

Hydrogen is one of the alternative energy has great potential to be developed. One way to obtain hydrogen is by using HHO generator. HHO Generator is a tool that uses principle of water electrolysis to sparated water molecules (H_2O) into hydrogen (H_2) and oxygen (O_2) or called HHO gas (Hydrogen Hydrogen Oxygen) with the help of electrical energy. This study aims to examine dry cell HHO generator performance by varying total usage neutral electrodes using stainless steel 304 with 1, 2, 3, and 4 units. Parameters that will be observed including generator power consumption, HHO gas flowrate, and generator efficiency. Based on this research, best performance of dry cell HHO generator is using 4 neutral electrodes with generator power consumption is 2,80 Watt, HHO gas flowrate is 0.00022 L/s, and generator efficiency is 29,60 % .

Keywords: HHO, Generator, Dry Cell, Electrode, Neutral.