ABSTRACT

Generating Unit steam at Industrial of Indonesia Soda served by boiler of fire pipe. Fuel used for this purpose is diesel fuel. To serve the fuel requirement at this installation is used pump.

In this final project conducted calculation of fuel usage and also calculation of head installation required and at final conducted selection pump.

From calculation obtained head pump equal to 6.24 m, and the capacities equal to 64.97 \( \frac{lt}{min} \), and selected a Internal Gear pump type with the rotation 500 rpm type 3G GR TRUFLO.