

ABSTRACT

Water is the source of life on earth. To move the water used a tool in the form of a pump. However, the efficiency of pumps on the market is unknown. Therefore, research for the efficiency of the pump. In this research, the result is efficiency which is not constant, but changing to the height of load value that is used. If presented with graphs, we get a parabolic garfic with quadratic function. The value of pump efficiency 1 ranges from 1.68% -3.13% while the value of pump efficiency 2 ranges from 2.50% - 7.80%Therefore, it is concluded that many pumps on the market do not have altitude heads according to the specifications written in the pump, as evidenced by the results of the measurements made in this study. Then for the value of headloss proportional to the value of the fluid flow velocity, and inversely proportional to the value of the height load while the efficiency value is directly proportional to the value of the resulting discharge.

Keywords: Pump, Efficiency, Obscene, headloss