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PARAMETRIC ANALYSIS OF KEROSENE PRESSURE COOKER: A REVIEW APPROACH OF THEPARAMETER CALCUATION TECHNIQUES

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ABSTRACT

This paper dealt with the design and modeling of a portable kerosene pressure-cooker. The existing cookers and the problems associated with them were analyzed. The need and importance of this work were also highlighted. The design consists of three parts: the cylinder, the piping, and the frame. The analytical approaches used to find the rate of fuel burning and how heat conducted on the pan with the new design and analyze to identify the power output. Using the principles of fluid dynamics, this work is able to establish that the power of the cooker is 3.12 KW.

KEYWORDS: Kerosene Pressure-Cooker, Heat Conduction, Fluid Dynamics