

**UNIVERSITI TEKNOLOGI MARA**

**THERMAL ANALYSIS ON EXHAUST  
PIPE OF LPG COMBUSTOR**

**MUHAMMAD HADIE AIZZUDDIN  
BIN ASLI**

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## **ABSTRACT**

This experiment was conducted to identify and analyse the effect of high temperature on exhaust pipe. In this experiment, stainless steel has been chosen to be the material of the exhaust pipe. The problem with this experiment is high temperature can damage the exhaust pipe. The stainless steel will be the material for the exhaust pipe and connected to the LPG combustor. Then the temperature will be taken by computer using thermocouple. The result of the experiment has been recorded in average table and graph. The line in the graph make it clear that water flow rate 8 has the better cooling effect than the water flow rate 3.

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