

UNIVERSITI TEKNOLOGI MARA

**FEASIBILITY STUDY ON
INSTALLING SOLAR WATER
HEATER IN SINGLE CAFETERIA**

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ABSTRACT

Nowadays, using the hot water from water dispenser is often used in a cafeteria to cook and make drinks for students studied there. Unfortunately, the water dispenser is using a lot of electricity which makes the bill of the electricity is high per month. In order to reduce the use of electricity, solar water heater will be installed in the cafeteria. The objectives of this project are to determine the type of solar water heater needed to be installed in Bukit Besi Cafeteria and to ensure that the solar panel can be used effectively in the cafeteria. The method used in this project is by determining the type of solar water heater that will be installed. It is expected that the solar water heater can be installed and used in the cafeteria by using the flat plate solar panel with the dimension of 57.5cm x 53cm x 1.55cm.

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