

**UNIVERSITI TEKNOLOGI MARA**

**PROPOSED AN AIR -CONDITIONING USING  
COOLING LOAD CALCULATION FOR BETTER  
LIVING ENVIRONMENT**

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## **ABSTRACT**

Malaysia's climate is classified as tropical with hot and humid weather throughout the year. The uncomfortable feeling that student university must face due to the unavailability of air conditioning in the room can hinder them from doing their best in studies. To overcome this problem, through this project air conditioning was propose for 5 room at level 1 girls' dormitory of Campus UiTM Bukit Besi that approximately 20 ft x 23 ft x 10 ft. Method used in this project is cooling load calculation by using Cooling Load Different Temperature (CLTD) method which consist of data from design of the room. The results for this project used to identify the suitable air-conditioning system to be installed in the girl's dormitory.

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