

**CENTRE OF STUDIES FOR BUILDING SURVEYING  
FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING  
UNIVERSITI TEKNOLOGI MARA**

**INDOOR AIR QUALITY IN ENCLOSED CAFETERIA AT UITM, SHAH  
ALAM**

**MAIZATUL AKMA BT SAID  
(2010942203)**

**Academic Project submitted in partial fulfilment of the requirements  
for the degree of  
Bachelor of Building Surveying (Hons)  
Centre of Studies for Building Surveying  
Faculty of Architecture, Planning & Surveying**

**December 2013**

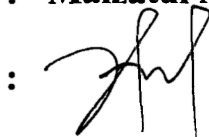
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**“I hereby declare that this academic project is the result of my own research  
except for the quotation and summary which have been acknowledged”**

**Student's Name : Maizatul Akma Bt. Said**

**Signature :**



**UITM No. : 2010942203**

**Date : December 2013**

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**ACADEMIC PROJECT  
BSS 608 & BSS 658**

**CONFIRMATION OF ACADEMIC PROJECT AMENDMENTS**

**This is to confirm that the student has amended his/her  
Academic project as directed and therefore allowed to compile**

Marks	Grade
70	B+

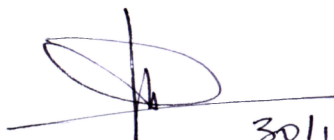
**Student's Name : Maizatul Akma Bt Said**

**UITM No. : 2010942203**

**Title : Indoor Air Quality in Enclosed Cafeteria  
at UiTM, Shah Alam**

**Supervisor's Name : En. Md Nadzari B. Mohamed Jalil**

**Signature :**

  
30/1/2014

**Date : Dec 2014**

## DECLARATION

I declare that the works in this academic project was carried out in accordance with the regulations of University Technology MARA. It is original and is the results of my own work research, unless otherwise indicated and acknowledged as referenced works. This academic project has not been submitted to any other academic institution or non-academic institution for any other degree or qualification. In the event that my academic project is found to violate the conditioned mentioned above, I voluntarily waive the right of conferment of my degree and agree to be subjected to the disciplinary rules and regulations of University Technology MARA.

Name of Candidate : Maizatul Akma Bt. Said

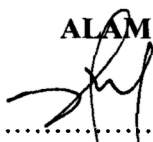
Candidate's ID no. : 2010942203

Programme Code : AP 229

Faculty : Faculty of Architecture, Planning and Surveying

### INDOOR AIR QUALITY IN ENCLOSED CAFETERIA AT UITM SHAH

ALAM

Signature of Candidate: .....  


Date : .....  
30/1/2014

## ABSTRACT

Indoor air pollution is consistently reported to be two to five times and occasionally up to 1,000 times higher than outdoor levels. This is alarming considering that the majority of people tend to spend an average of 70% to 96% of their indoor environments. In enclosed cafeteria it has the same situation but not almost users use it and spend an average time in that area. Indoor Air Quality (IAQ), however, is still a relatively unexplored topic in Malaysia. In this study was therefore conducted to examine IAQ from a local perspective. IAQ monitoring was conducted in a selected sample of IAQ in enclosed cafeteria area an impact on human comfort. The three of enclosed cafeteria area were monitored. IAQ parameters measured in this study include temperature; relative humidity and air velocity also have carbon dioxide and carbon monoxide. IAQ measurements were taken in one of the case study were divide into three type of area in that area that is dining area, cooking area and toilet (if have). The overall results shows the IAQ in enclosed cafeteria at UiTM, Shah Alam were not less than the limit of parameters existing IAQ guidelines and standards. However, it still need a good ventilation and air conditioning systems.