

**CONCENTRATION PROFILE OF PARTICULATE MATTER AT SCIENCE
AND TECHNOLOGY BUILDING, UITM, SHAH ALAM**

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DECLARATION

"I hereby declare that this report is the result of my own work except for quotations and summaries which have been duly acknowledged."



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ABSTRACT

The purposes of this study are to measure the concentration of particulate matter at elevated level, to determine the concentration profile of particulate matter related to height and to find the correlation of PM concentration with height. The increasing number of populations and vehicles each day have contribute to the increase of particulate matter, especially in urban areas. These problems affect humans, animals, plants and even materials. Therefore measuring the particulate concentration is very important to determine the severity of air pollution level. In this study, the sampling points were at Science & Technology Twin Tower, UiTM Shah Alam. These locations were chosen due to its strategic location which is in urban area. The concentrations of particulate matter were measured for duration of four weeks (Two weeks during semester break, while another two weeks during semester) with particle sizes of PM_{2.5} and PM₁₀.