

**3Rs AWARENESS AMONG UiTM PULAU
PINANG STUDENTS**

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**B. Eng (Hons) (Civil)
UNIVERSITI TEKNOLOGI MARA
2005**

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By

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Report is submitted as
The requirement for the degree of
Bachelor Engineering (Hons) (Civil)

UNIVERSITI TEKNOLOGI MARA
APRIL 2005

DECLARATION BY THE CANDIDATE

I, Liza Binti Tajul Aripin, 2001498630 confirm that work is my own and that appropriate credit has been given where reference has been made to the work of others.

_____ 20 April, 2005

ACKNOWLEDGEMENT

*In the name of Allah, The Most Merciful and The most Beneficent. All praises to Allah,
God of the universe and peace be upon his messenger.*

Here, I like to express my sincere appreciation for many people who had involved to the whole research process from the beginning until completion of this report. I am deeply indebted to my supervisor, Encik Mohamed Ali B. Abd. Karim; for his supports, comments and guidance towards me in order to complete this report. I also would like to thank other academic and non-academic staffs especially to the staffs of Academic Affair Department, Baiduri College Management, Maintenance Department and Financial Department of UiTM Pulau Pinang for their willingness to give related information needed for this report.

I would like to express my appreciation to Encik Azmi Musa, officer at Majlis Perbandaran Seberang Perai (MPSP) for giving me useful information and relevant sources regarding this research. There are too many individuals, too many name here, participated and assisted in this research. Last but not least, I am very pleasure to dedicate thanks to all my friends especially Nadia and Norhayati for their help and encouragement. Not forgotten, thanks to my family for their love and full moral support which helped me through hard time. Thank you to all of you for helping me to complete this project report.

ABSTRACT

Municipal solid waste (MSW) is considered one of the major environmental problems all over the world including Malaysia. Improper management of waste in our country is viewed as the main problems nowadays. It is because the effect of the unmanaged waste to the environment is very bad. Besides there are economic problems concerning the cost of solid waste management including cost of sorting, incineration and landfill. Another economic problem arises from Leaving MSW without proper management is loss of resources and energy. However, solving the problem is challenging because of lack of awareness of the problem. Therefore, the 3Rs (reducing, reusing and recycling) activity is one of the principles that were recognized as the best step to manage the waste in easiest way. Organization, individual, as well as students are the person that must involved in this program. Therefore, this study tries to explore the 3Rs awareness among the students of University Technology MARA Pulau Pinang in order to increase the level of awareness among them. The study is done by distribution of questionnaires among the respondents. It gauges the level of awareness among female students as well as the level of practice at campus. Besides, total weight of waste (recyclables and food waste) also determined in order to know the generation of waste at Kolej Baiduri and also the energy content of it. Overall, level of awareness, understanding and practice among respondents are high. The generation of waste also high as well as total energy content of it.

Keywords – Municipal solid waste, solid waste management, reducing, reusing, recycling sorting, incineration, landfill, awareness, practice, energy content.