UNIVERSITI TEKNOLOGI MARA

AN IMPROVED ENVIRONMENTAL IMPACT ASSESSMENT (EIA) PROCESS IN MALAYSIA TOWARDS SUSTAINABLE DEVELOPMENT

MAISARAH BINTI MAKMOR

Thesis submitted in fulfillment of the requirements for the degree of Master of Science

Faculty of Architecture, Planning and Surveying

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AUTHOR'S DECLARATION

I declare that the work in this thesis was carried out in accordance with the regulations of Universiti Teknologi MARA. It is original and is the result of my own work, unless otherwise indicated or acknowledged as referenced work. This thesis has not been submitted to any other academic institution or non-academic institution for any degree or qualification.

I, hereby, acknowledge that I have been supplied with the Academic Rules and Regulations for Post Graduate, Universiti Teknologi MARA, regulating the conduct of my study and research.

Name of Student : Maisarah Binti Makmor

Student I.D. No : 2011125073

Programme : Master of Science in the Specialism of the Built Environment

Faculty : Faculty of Architecture, Planning and Surveying

Title : An Improved Environmental Impact Assessment (EIA) Process in Malaysia towards Sustainable Development

Signature of Student : ..........................................................

Date : July 2014
ABSTRACT

Environmental Impact Assessment (EIA) is defined as a planning tool to identify, predicts and evaluate potential environmental impacts and mitigation measures in early stages of proposed projects. This research aims to establish an improved EIA process in Malaysia towards sustainable development. Three objectives which are to recognise the fundamentals of EIA process and procedures applied in Malaysia, to analyse the factors of approval and rejection of EIA reports submitted to the Department of Environment Malaysia and to propose a set of recommendations to further improve the current EIA process in Malaysia are utilised to achieve the aim of research. Although EIA has been implemented in Malaysia for over 25 years, the EIA practices have yet to achieve the parameters of effective environmental management and sustainable development. This research embarked mixed methods approach were the qualitative data were collected via document review and semi-structured interviews while quantitative data was gathered utilising questionnaire survey. Eleven EIA reports were reviewed and twenty five respondents participated in the semi-structured interviews and data were analysed via Nvivo10 software. Qualitative analyses indicated that low stakeholder engagement, deficiency in capacity building in DOE, lack of coordination between agencies, structure and input of the EIA reports, lack of awareness on the importance of EIA and credibility of consultants are the key issues on the EIA process in Malaysia. Recommendations on the issues were contextualised and a validation survey was conducted to twenty five respondents to validate the proposed recommendations for the improved EIA process. Ergo, an improved EIA process in Malaysia towards sustainable development was established to ameliorate the EIA practices in Malaysia.
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