

UNIVERSITI TEKNOLOGI MARA

**REMEDIATING TASIK SRI AMAN,
PUCHONG TO A HIGH-FUNCTIONING
BIODIVERSITY LANDSCAPE**

MARYAM ADILA BINTI ZULKIFLI
2014167549

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the degree of
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**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 results 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 Bachelor's Degree, Universiti Teknologi MARA, regulating the conduct of my study and research.

Name of Student : Maryam Adila binti Zulkifli
Student I.D. No. : 2014167549
Programme : BSc. Landscape Architecture – AP248
Faculty : Architecture, Planning & Surveying

Dissertation Title : Remediating Tasik Sri Aman, Puchong
to a High-Functioning Biodiversity Landscape

Signature of Student :

.....

Date : February 2018

Abstract

The main aim of this dissertation is to study on how to improve the water quality within Tasik Sri Aman, Puchong vicinity where it aspires to remediate Tasik Sri Aman, Puchong into a constructed wetland with multiple ecosystem services through implementing design strategies through these objectives; proposing a wetland to capture and filter stormwater or wastewater treatment through phytoremediation, protect and recover the native and as to provide a public space for recreational use and aesthetics experience, as well as foster urban development at Tasik Sri Aman, Puchong. In order to comply these objectives, a case study was conducted at Tasik Sri Aman, Puchong that was facing wetland degradation and disintegrating water quality. The challenge faced translates why it is vital to improve the water quality as to improve the community's wellbeing and as well as encouraging high functioning biodiversity landscape to Tasik Sri Aman, Puchong. The dissertation concludes that Tasik Sri Aman has the potential to be developed into a high functioning and diverse in habitat for the community where it can be valued through the improvement of the water quality.

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