

**STUDY OF  
ENVIRONMENTAL MANAGEMENT SYSTEMS (ISO 14001)  
FOR MESRA HIJAU SDN. BHD.**

**EVELYN CHEE SIEW POH**

**THIS DISSERTATION IS SUBMITTED TO  
INSTITUTE OF POSTGRADUATE STUDIES & RESEARCH  
IN PARTIAL FULILLMENT TO  
MASTERS OF TECHNOLOGY (ENVIRONMENTAL MANAGEMENT)  
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**KAJIAN SISTEM PENGURUSAN ALAM SEKITAR (ISO 14001)  
UNTUK  
SYARIKAT MESRA HIJAU SDN. BHD.**

**EVELYN CHEE SIEW POH**

**DISERTASI INI DIKEMUKAKAN KEPADA  
ISTITUT PENGAJIAN SISWAZAH DAN PENYELIDIKAN  
SEBAGAI SYARAT SEPARA KEPADA  
KURSUS SARJANA TEKNOLOGI (PENGURUSAN ALAM SEKITAR)  
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## **ABSTRACT**

An environmental management study was carried out on Mesra Hijau Sdn. Bhd. The project site chosen to be audited was the Putrajaya Wetlands at Kajang, Selangor Darul Ehsan where MHSB is involved in the planting works of the constructed wetlands. The environmental audit was carried out on-site as well as going through a management review exercise on the overall management of MHSB. The use of biodegradable pots, biopesticides, recycling of materials and ecological as well as biodiversity awareness, project MHSB as an environmentally conscious company that places emphasis and action towards the protection, restoration and enhancement of the environment. Nevertheless, certain issues such as solid and liquid waste management at the nursery site as well as documentation and environmental awareness and training of staff can be further improved. Initial discussions with the top management on the results of the audit revealed that the top management of MHSB is keen on upgrading its management to attain site certification for ISO 14001. In this study, a comparative examination of the principles of the EMS and the existing management level of MHSB was carried out. This resulted in formulation of a preliminary EMS framework suitable to progress for ISO 14001 certification. Upon completion of this project, it is satisfying to note that great steps have been achieved in motivating MHSB's activities towards greater environmental discipline.

## ABSTRAK

Suatu kajian pengurusan alam sekitar telah dijalankan ke atas Syarikat Mesra Hijau Sdn. Bhd. Tapak projek yang dipilih untuk diaudit merupakan kawasan “wetland” Putrajaya di Kajang, Selangor Darul Ehsan dimana MHSB terlibat dalam kerja-kerja penanaman di “wetland” buatan manusia. Suatu audit alam sekitar telah dijalankan di tapak tersebut bersama dengan suatu kajian pengurusan MHSB. Penggunaan pasu “biodegradable”, biopestisid, penggunaan semula bahan dan kesedaran ekologi serta biodiversiti menunjukkan bahawa MHSB adalah sebuah syarikat yang mempunyai kesedaran alam sekitar dan mengutamakan aktiviti yang boleh memelihara, memulih dan mencantikkan alam sekitar. Namun demikian, isu-isu seperti pengurusan sisa pepejal dan cecair di tapak nurseri dan juga dokumentasi serta kesedaran dan pengajaran alam sekitar boleh diperbaiki. Diskusi awal dengan pihak pentadbiran atasan terhadap keputusan audit, menunjukkan yang pentadbiran atasan MHSB ingin meningkatkan pengurusan syarikat untuk mencapai pensijilan tapak ISO 14001. Dalam kajian ini, suatu perbandingan antara prinsip EMS dengan tahap pengurusan MHSB kini telah dijalankan. Dalam pada ini, suatu rangka permulaan EMS telahpun dilakukan yang sesuai untuk memenuhi syarat pensijilan ISO 14001. Hendaklah diambilkira bahawa projek ini telah mengorak langkah besar untuk memotivasikan aktiviti MHSB ke arah kesedaran dalam bidang alam sekitar.

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