SOLID WASTE MANAGEMENT SYSTEM IN THE KANIFING MUNICIPAL COUNCIL AREA, THE GAMBIA

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SOLID WASTE MANAGEMENT SYSTEM IN THE KANIFING MUNICIPAL COUNCIL’S AREA, THE GAMBIA

BY

DAWDA BADGIE

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DEDICATION

This piece of academic work is dedicated to my family and dearest mother, for their love, support and encouragement during the period of my studies.
Pollution by solid waste and its management is an endemic problem that the Government of the Gambia through its municipalities has tried to address over the years but do not seem to bring it under control. Inadequate municipal solid waste management is certainly one of the major contributing factors to the degrading of environment quality. This study was done at Kanifing Municipal Council (KMC), one of the densely populated and rapidly growing urban settlements in The Gambia. The study is meant to determine the ramifications of poor solid waste management, the impact of
these on the communities, the problem associated with waste management at KMC and the applicability of integrated solid waste management system (ISWM) in the stated Municipality. A total of 410 questionnaires were distributed and these were administered to households within Kanifing Municipality using systematic random sampling. These were supplemented by personal interviews with the municipal council authorities, and other key stakeholders. The data was analyzed by a non-parametric statistical test such as chi square cross tabulation calculation. The study found that the residents of the area interviewed were reasonably aware of the importance of proper solid waste management in relation to health of the inhabitants, aesthetic value and tourism which needs to be enhanced. Significant challenges were discovered that need to be addressed in future and this include inter alia: low environmental awareness on waste reduction, separation and recycling techniques were discovered as well as; improper enforcement of waste related legislations, inadequate infrastructure, funding and expertise all of which are important when dealing directly with waste management. In general, the study shows that there are high prospects of addressing solid waste management issues in the Kanifing Municipality; however, more efforts are absolutely necessary by both the Municipal Authorities and the Central Government of the Gambia in achieving the set objectives of a clean and beautiful municipality.

**Key words:** Solid waste management system, Pollution, Solid waste, degrading urban environment, Kanifing Municipal council
Abstrak tesis yang dikemukakan kepada senat Universiti Putra Malaysia sebagai memenuhi keperluan untuk ijazah Master of Sains

SISTEM PENGURUSAN SISA PEPEJAL DI MAJLIS PERBANDARAN DI KAWASAN PENTADBIRAN KANIFING, GAMBIA

Oleh

DAWDA BADGIE

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Pengerusi : Profesor Azizi b. Muda, PhD
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Selama bertahun-tahun, Kerajaan Gambia melalui Majlis Perbandarannya masih tidak dapat mengawal masalah endemik yang berkaitan dengan pencemaran yang di sebabkan oleh sisa pepejal dan pengurusannya. Pengurusan sisa pepejal Majlis Perbandaran yang kurang cekap adalah antara penyumbang utama degradasi alam sekitar. Kajian ini dijalankan di Majlis Perbandaran Kanifing yang merupakan salah satu dari penempatan di Gambia yang mempunyai kepadatan penduduk yang tinggi dan masih terus meningkat. Kajian ini bertujuan untuk mengenalpasti kesan dari pengurusan sisa pepejal yang kurang berkesan, impaknya terhadap komuniti dan kesesuaian sistem pengurusan bersepadu sisa pepejal di dalam

Kata kunci: Sistem Pengurusan sisa pepejal, Pencemaran, Sisa pepejal, kemerlotosan alam sekitar Bandar, Majlis Kota Kanifing Perbenderan.
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I certify that an Examination Committee has met on the 11th November, 2010 to conduct the final examination of Dawda Badgie on his degree thesis title “Solid Waste Management System in the Kanifing Municipal Council’s Area, The Gambia” in accordance with Universities and Colleges Act 1971 and the constitution of the Universiti Putra Malaysia [P.U. (A) 106] 15 March 1998. The Committee recommends that the student be awarded the **Master of Science**. Members of the Examination Committee were as follows:

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This thesis was submitted to the senate of Universiti Putra Malaysia and has been accepted as fulfillment of the requirement for the degree of Master of Science. The members of the Supervisory Committee were as follows:

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DECLARATION

I declare that the thesis is my original work except for quotations and citations which have been duly acknowledged. I also declare that it has not been previously, and is not concurrently submitted for any other degree at Universiti Putra Malaysia or any other institution.

______________________________
DAWDA BADGIE
Date: 11th November 2010
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