

**ADOPTION AND USE OF SELF SANITIZING BIODEGRADABLE TOILET BAGS
IN KIBERA SLUMS, NAIROBI COUNTY**



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List of abbreviation and acronyms

CBOS	Community Based Organizations
EKC	Environmental Kuznets Curve
GDP	Gross Domestic Product
IBRD	International Bank for Reconstruction and Development
MDGS	Millennium Development goals
NGO	Non-Governmental Organization
UNDP	United Nations Development Programme
UNEP	United Nations Environment Programme
UNICEF	United Nations Children's Fund
WHO	World Health Organization

Abstract

Informal settlements suffer from lack of improved sanitation facilities, including toilet, showers and sewage disposal. With few toilets and pit latrines, this has resulted in growth of flying toilets due to inaccessibility of toilet facilities during late hours, lack of even distribution and lack of convenience due to insecurity. The aim of the current study is to investigate the community's perception of the adoption of single use self-sanitizing biodegradable toilets and its impact on the flying toilets menace. Specific objectives will focus on perception on adoption, community level of awareness and socio-economic and environment impact of adopting single use self-sanitizing biodegradable toilet bags. The study will be carried out in Kibera slums. Using questionnaires a survey will be conducted to collect information from community on their perception, awareness and valuation of the single use biodegradable toilets from schools and households. Data collected using questionnaire will be analyzed using Chi-square and Spearman's correlation to determine the relationships of the respondent's views on the self-sanitizing biodegradable toilets. The current study will increase the level of awareness on the use and benefits of single use self-sanitizing biodegradable toilets and identify the challenges the community experience in the adoption of the use of single use biodegradable toilet bags and recommend informed solution.