

**EFFECTS OF SOLID WASTE DISPOSALS ON PUPILS' HEALTH AND  
ACADEMIC PERFORMANCE OF MWAKIRUNGE AND  
MARIMANI SCHOOLS, BAMBURI EDUCATION  
ZONE MOMBASA COUNTY, KENYA**

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## ABSTRACT

There are several factors that influence academic performance either positively or negatively once of these are the environment. The learning environment has to be conducive for effective learning. In these few years the students of Mwakirunge and Marimani schools have been having bad healthy and academic performance. The purpose of the study is to investigate the relationship between solid waste disposal dumpsite and children healthy and academic performance. The study will conducted in two public primary schools Mwakirunge and Marimani primary schools in Bamburi Education Zone Mombasa county Kenya, the schools are located next to Mwakirunge Municipal dumpsite.

The study will adopt descriptive survey design and effect cause effect correlation descriptive survey has to be selected because it has a wider application and analysis, Orodho (2004). It is also easy to collect and analyze. Descriptive survey also produces statistical information and aspect of education for policy makers and educators Borg et al (1989:5). According to Orodho (2005) cause and effects correlation tries to investigate if relationships are strong so that the observation can conclude that one (independent variable) causes the other (independent variable). The study target pupil head teachers, teachers, and parents from the two primary schools near the dumpsite.

The researcher adopted simple random sample to obtain respondents among the students and parents, cluster sampling for the teachers and parents to determine description by gender. Research tools used included questionnaires, interview schedules and observations checklists to obtain information from the respondents. Data was analyzed using descriptive statistics and some inferential statistics using Statistical Package for Social Science.

The outcome shall provide useful information to children, teachers and parents who are beneficial to the recommendation to improve academic performance. The education office, for ministry of Public health and the Municipal Council of Mombasa for possible way on waste management for planners and educationist on location of required sites for school.

The researcher concluded that there was strong relationship between the performances of the schools at KCPE level in the two public primary schools. The presence of the dumpsite at Mwakirunge area as sighted by the respondent it affected environment, influenced school attendance and pupils frequently visit the dumpsite to scavenge. The dumpsite has influenced in health of the residence of the health residence according to the responses of the health workers with high prevalence of communicable diseases.

The researcher recommended that the municipal council of Mombasa finds a proper measure of waste management, involve the public, health workers and educationists when planning for the location of dumpsite to avoid ignorance they should provide the public with accurate and useful information on project risks and maintenance. Schools should introduce school health programs to educate children on public health issues.