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## ASSESSMENT OF THE EFFECTS OF SOLID WASTE MANAGEMENT ON THE ENVIRONMENT IN HURUMA ESTATE UASIN GISHU COUNTY

### ABSTRACT.

The purpose of this study is to assess the effects of solid waste management on the Environment in Huruma estate, Eldoret Uasin Gishu County. Huruma estate is located in Eldoret town that is situated in the mid-west of Kenya's Rift Valley. It is claimed that the reason for poor solid waste management in Huruma estate might have been due to lack of efficiency with the local authorities mandated to manage and also due to ignorance among the population on how to conserve the environment through proper solid waste disposal. It is from this background, the study sought to develop an efficient and effective solid waste management in Huruma estate, Eldoret, by investigating the presence of solid waste, evaluating the effects and assessing solid waste management practices among Huruma estate residence and relevant authorities. The target population was residents of Huruma estate. According to census 2019 the total population is 141 households with an average of four people per household adding up to 6230 people. A descriptive case study design method was used. Simple random sampling technique was used to select 95 respondents, thus is the sample size population, while questionnaire and interviews schedule was used as data collection instruments. Qualitative and quantitative analysis was used in analyzing data while descriptive statistics was used in presentation and interpretation of data with the help of Statistical Package for Social Sciences (SPSS) and Inferentially by the use of chi-square, regression and ANOVA. Findings indicated that there is large presence of solid waste within Huruma estate. As such, waste collection was not done properly because of lack of responsible authorities to manage both waste disposal and collection. The county government should therefore come up with strategies to enhance the proper collection of waste.

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