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TITLE: Factors Influencing the Effectiveness of Solid Waste Management (SWD) System in San Nicolas, Ilocos Norte.
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Abstract: This study determined the factors influencing the effectiveness level of solid waste management system in San Nicolas, Ilocos Norte. It also attempted to find out the variables that influence its level of effectiveness.

The population of the study involved municipal officials and one member from each household in 24 barangays of San Nicolas, Ilocos Norte. Household respondents were taken using the Slovin’s formula and stratified sampling technique. For the municipal officials, the purposive sampling technique was used. Meanwhile a modified questionnaire, unstructured interview and document analysis were used in gathering the data needed.

Data gathered were interpreted and analyzed using frequency count expressed in percentages, weighted means, chi-square test, Pearson Product moment Correlation Coefficient and point biserial correlation. Level of significance was set at .05

Result of the study revealed that majority of the respondents had not finished college, did not attend seminars/trainings on solid waste management and not even members of any environment-related organizations.

Findings showed that the ordinance related to solid waste management in San Nicolas, Ilocos Norte were moderately implemented.

It was found out that papers and leaves are commonly disposed of by the residents, municipal ordinances related to solid waste management is moderately implemented, the most serious problem encountered by the residents is the “lack of specific place intended for the biodegradable from the non-biodegradables” and “no definite schedule of garbage collection”. Result also showed that the implementation level of the municipality ordinances significantly influence the effectiveness level of solid waste management system.
Moreover, the educational attainment of the household members significantly influenced the effectiveness level of on-site storage, transfer and transport, processing and recovery, and disposal method at dumping site.

Furthermore, seminar/trainings attended by the household members has significantly influence on the effectiveness level of solid waste generated, collection, transfer and transport, processing and recovery, and disposal method at dumping site.