

**CHARACTERIZATION OF SOLID WASTES GENERATED
BY SELECTED HOUSEHOLDS IN BARANGAY
MANGAS II, ALFONSO, CAVITE**

**Undergraduate Thesis
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**In partial fulfillment
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*Characterization of solid wastes generated
by selected household in barangay Mangas
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ABSTRACT

ASAS, MELIZA Y ESCOVER. Cavite State University, Indang, Cavite, October 2000. "Characterization of Solid Wastes Generated by Selected Households in Barangay Mangas II, Alfonso, Cavite". Adviser: Dr. Simeon S. Crucido.

The study was conducted to: (1) determine the types of wastes generated from households having different number of members; (2) determine the amount of waste generated at source; and (3) know how the households dispose of domestic wastes.

Twenty-seven respondents were selected from 237 households in the Barangay. The respondents were classified into three groups having three, four and five household members. The findings revealed that the common source of their waste come from the farm and the public market. The refuse was either burned or dumped in open dumpsites. On the other hand, almost 50 percent of their wastes was biodegradable which is commonly produced by the households and its disposal is less problematic compared with non-biodegradable wastes.

For each weekly sampling period, there were significant differences in waste generated by households of varying members. The households with three members produced a weekly average solid waste of 8.0 kg. Those with four members produced an average weight of 10.8 kg and those with five household members produced 13.8 kg. Average volume of waste generated by households with three members was 0.34 m³. Households with four members generated 0.38 m³ while those with five members generated 0.59 m³. No significant differences were noted for the per capita solid waste generation at the study area except on weeks four and five. Consumer preferences of the household are affected by seasonal variation. For waste disposal, 59.04 m³/year of

landfill space is required by the barangay while $8.85 \text{ m}^3/\text{year}$ of soil cover is required per year.

TABLE OF CONTENTS

	Page
BIOGRAPHICAL DATA -----	iii
ACKNOWLEDGEMENT -----	iv
ABSTRACT -----	vi
TABLE OF CONTENTS -----	viii
LIST OF TABLES -----	x
LIST OF FIGURES -----	xi
APPENDICES -----	xii
APPENDIX TABLES -----	xiii
APPENDIX FIGURES -----	xv
INTRODUCTION -----	1
Importance of the study -----	2
Objectives of the study -----	2
Scope and limitation of the study -----	3
Time and place of the study -----	3
REVIEW OF RELATED LITERATURE -----	4
METHODOLOGY -----	9
Materials -----	9
Methods -----	9
DATA ANALYSIS -----	12
RESULT AND DISCUSSION -----	13

Demographic profile of the respondents	-----	13
Sources of household solid waste	-----	17
Types of wastes generated at source	-----	20
Proportion of biodegradable to non- biodegradable solid waste as affected by the number of household members	-----	20
Average weight (kg) of solid waste generated at source	-----	22
Average volume of solid waste generated at source	-----	22
Average weight (g) of solid waste per capita	-----	25
Estimated landfill capacity	-----	27
SUMMARY, CONCLUSION AND RECOMMENDATION	-----	30
LITERATURE CITED	-----	33
APPENDICES	-----	34