

**GARBAGE SEGREGATION, DISPOSAL AND COLLECTION: A COMPARATIVE  
STUDY TO IDENTIFY THE RESIDENTIAL RESPONSE OF SILANG  
AND INDANG CAVITE TO THE PROGRAM IMPLEMENTATION  
OF ECOLOGICAL SOLID WASTE MANAGEMENT ACT**

**THESIS**

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**College of Arts and Sciences  
CAVITE STATE UNIVERSITY  
Indang, Cavite**

**June 2022**



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## ABSTRACT

**ALCARAZ, JELORD L., DILOY GENESIS C., TAMPES MARK ANGELO A.** Garbage segregation, disposal and collection: a Comparative Study to identify the residential response of Silang and Indang Cavite to the program implementation of Ecological Solid Waste Management Act. Undergraduate Thesis, Bachelor of Arts in Political Science. Cavite State University, Indang Cavite. June 2022. Adviser: Mr. Russel Philip B. Nuestro.

The researchers employed the quantitative comparative and descriptive research wherein they compared the two municipalities. They used Non-probability quota sampling through Survey Questionnaires from 200 participants in total.

For the first problem, both municipalities have a high result in satisfaction and awareness rating wherein Indang was slightly higher in numbers and percentage. For the second problem, Silang got higher Net compliance rating than its counterpart. Lastly, in challenges, both municipalities got a mean average of frequency where the mentioned challenges were experienced less.

The researchers concluded that the residents of Silang are slightly not satisfied with the implementation of their LGU but their compliance is higher, this says a lot about discipline and good government-to-people interaction. For the challenges, the problems were considered being handled well, evident in the gathered result.

Furthermore, the researchers recommended the municipality of Indang to conduct meetings to further address the issue and improve the compliance of the citizens. On the other hand, researchers also suggested that the municipality of Silang be instructed to start seminars to better inform the citizens of what the LGU were doing to properly implement the law. Lastly, they recommend to study causes of air pollution as this study focused on water pollution, and demonstrate recycling process as the study emphasized segregating, disposing and collecting wastes only.

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## **INTRODUCTION**

Waste is one of the most serious problems around the world. Everyone is at risk if people do not care for the environment. According to Singh *et al.* (2018), waste management and disposal is an alarming problem encountered by many of the urban and industrial areas in developing economies in Asian countries. While in South and Southeast Asia, more than 90% of all landfills are non-engineered disposal facilities. Human activities always generate waste. This was not a major issue when the human population was relatively small and nomadic, but became a serious problem. Despite the degradation of valuable land resources and creation of long-term environmental and human health problems, uncontrolled open dumping is still prevalent in most developing countries which indeed desperately need immediate action due to the associated harmful impacts. Moreover, there are more other factors that need to be considered in waste management and these are financial constraints and weak implementation of waste management policy with poor cooperation of government, public and private sector, educational institutions, and civil society complicates the issues.