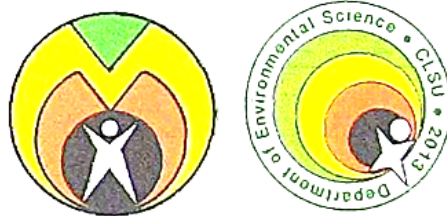


**EVALUATION OF WASTE MANAGEMENT PRACTICES
OF SELECTED POULTRY FARMS IN
SAN JOSE CITY, NUEVA ECIJA**

YVONNE CARYL L. ORTIZ



An Undergraduate Thesis Submitted to the Faculty of the Department of Environmental
Science, College of Arts and Sciences, Central Luzon State University,
Science City of Muñoz, Nueva Ecija, Philippines
in Partial Fulfillment of the Requirements
for the Degree of

BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE


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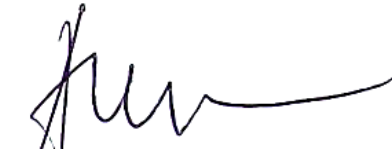
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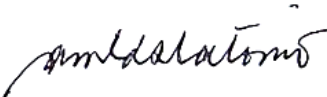

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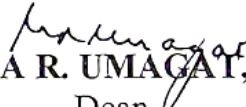

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ACRONYMS

AI	Avian influenza
AO	Administrative Order
BAI	Bureau of Animal Industry
BOD	Biochemical Oxygen Demand
CENRO	City Environment and Natural Office
CHO	City Health Office
CNC	Certificate of Non Coverage
COD	Chemical Oxygen Demand
CPDO	City Planning and Development Office
CVO	City Veterinarian Office
DO	Dissolved Oxygen
DOH	Department of Health
DENR	Department of Environment and Natural Resource
ECC	Environmental Compliance Certificate
EMB	Environment Management Bureau
FAO	Food and Agriculture Organization
HLURB	Housing and Land Use Regulatory Board
HHGO	Hesperian Health Guides Organization
IRR	Implementing Rules and Regulations
OEMC	Odor Erasing Microbial Concoction
PRC	Professional Regulations Commissions

PTR	Professionals Tax Receipt
RA	Republic Act
TCT	Title Certificate of Transfer
TDS	Total Dissolved Solids
TSS	Total Suspended Solids
WHO	World Health Organization

EVALUATION OF WASTE MANAGEMENT PRACTICES OF SELECTED POULTRY FARMS IN SAN JOSE CITY, NUEVA ECIJA¹

YVONNE CARYL L. ORTIZ

ABSTRACT

Background: This study was conducted to provide information regarding the waste management practices of the 12 selected poultry raisers in San Jose City and determine the extent of compliance of these poultry raisers. .
Methods: The study is a descriptive research that involved a cross-sectional design using survey questionnaire in order to assess the waste management practices of poultry owners and determine the extent of compliance with existing environmental laws. **Results:** 83.4% of poultry raisers in the study area did comply with existing environmental laws in terms of their solid waste management disposal system. However, improper liquid waste disposal system was evident. Moreover, the poultry raisers disposed their dead birds in uncovered mortality pit (16.7%), burning (16.7%), burying (16.7%), fishpond (16.7%), and fully covered pit (33.3%). While, veterinary wastes were buried (33.3%), burned (16.7%), and delivered to junk shop (66.7%). Furthermore, only 16.7%, 75%, and 25% of poultry raisers did not encounter flies, mosquitoes, and rodents' infestation respectively. This was expected because there were still 8% of the poultry raisers were not using pesticide as a preventive control agent. In addition, 75% of poultry farms have high ammonia level and 25% low ammonia level, while, 25% used odor decreasing agent and 75% are non-users. Finally, the above data disclosed that only 45.04% of selected poultry raisers complied with existing environmental laws.
Conclusions: Therefore, appropriate effluent, mortality, veterinary, odor, and pest management interventions to poultry raisers in San Jose City should be given priority by environmental agencies to protect nearby residential areas from environmental hazards.

Keywords: waste management, environmental laws, purposive sampling,

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