

**AN ASSESSMENT OF PHYSICAL PLANT AND FACILITIES OF SELECTED
PUBLIC AND PRIVATE SECONDARY SCHOOLS IN THE NATIONAL
CAPITAL REGION: BASIS FOR A PROPOSED
FACILITY MANAGEMENT PROGRAM**

A Doctoral Dissertation

Presented to

the Faculty of the

College of Education Graduate Studies

De La Salle University - Dasmariñas

City of Dasmariñas, Cavite

In Partial Fulfillment

of the Requirements for the Degree

Doctor of Philosophy

Major in Educational Management

MICHELLE IGNACIO GONZALES

March 2013

ABSTRACT

Title of Research: **AN ASSESSMENT OF PHYSICAL PLANT AND FACILITIES OF SELECTED PUBLIC AND PRIVATE SECONDARY SCHOOLS IN THE NATIONAL CAPITAL REGION: BASIS FOR A PROPOSED FACILITY MANAGEMENT PROGRAM**

Author: **MICHELLE I. GONZALES**

Degree: **Doctor of Philosophy**

Major: **Educational Management**

Date of Completion: **March 2013**

This research study with descriptive-evaluative-correlational designs was conducted to assess the physical plant and facilities of selected public and private secondary schools in the National Capital Region. The framework of this study was anchored from Abbott v. Burke (2000) model of reform which focused the attention of state policymakers on improving the schools in terms of their budget for the facilities.

The researcher gathered data through survey questionnaire, school visit and observation. One-on-one interview with the administrators and focused group discussion with other key informants were utilized to validate the data gathered. The data gathered were analyzed using Frequency Count

for the profile of the respondents according to type of school, years in operation and school population; Mean for the extent of compliance of public and private secondary schools with DepEd's standards on physical plant and facilities in terms of site, school building, equipment and furniture and textbooks and other instructional materials; management practices in terms of planning, budget allocation and maintenance; and the problems encountered in the management of school physical plant and facilities; Averaging for the academic performance of students; One-way ANOVA for comparison of data such as the difference between the type of school, student population, years in operation and the extent of compliance of public and private secondary schools with DepEd's standards on physical plant and facilities in terms of site, school building, equipment and furniture and textbooks and other instructional materials; and the extent of management practices in terms of planning, budget allocation and maintenance when the respondents are grouped according to type of school, student population and years in operation; and Pearson r for the relationship between the academic performance of students and the extent of compliance with DepEd's standards on physical plant and facilities; and the academic performance and extent of management practices with regard to their physical plant and facilities.

The study revealed and concluded that textbooks and other instructional materials as well as budget allocation for management practices needed great attention for improvement.

Academic performance was affected by the extent of compliance with DepEd's standards on physical plant and facilities in terms of site and textbooks and other instructional materials as well as the extent of management practices in terms of planning and budget allocation.

There is a need to have a facility management program in order to maintain the equipment and facilities even without the trained physical plant and facilities maintenance and operations staff.

The study recommends the Department of Education to give extra attention to the supply of textbooks and other instructional materials considering the critical evaluation of content.

DepEd should regularly organize training and workshop for prospective or assigned school physical plant coordinator across the country. School heads must allocate budget for this and allow the coordinator to attend to gain additional knowledge on the assigned responsibility.

School owners and administrators should make intervention to increase parents' participation not only in planning for school physical plant and facilities but to all school activities. Obtaining feedback through evaluation survey should also be done to know the deficiency needs.

The suggested strategies in the Facility Management Program could be modified according to the schools' set up and be included in the schools' line up of activities for the whole academic year to increase the level of awareness in maintaining the physical plant and facilities.

TABLE OF CONTENTS

	Page
TITLE PAGE	1
ABSTRACT	2
APPROVAL SHEET	5
ACKNOWLEDGMENT	6
TABLE OF CONTENTS	9
LIST OF TABLES	12
LIST OF FIGURES	16
Chapter	
1 THE PROBLEM AND ITS BACKGROUND	
Introduction	17
Conceptual Framework	21
Statement of the Problems	26
Hypotheses	28
Scope and Delimitation of the Study	29
Significance of the Study	31
Definition of Terms	33
2 REVIEW OF RELATED LITERATURE	
Conceptual Literature	35
Research Literature	53
Synthesis	57
3 METHODOLOGY	
Research Design	59
Population and Sampling	60
Respondents of the Study	61
Research Instrument	66
Validation of the Instrument	69

Data Gathering Procedure	70
Statistical Treatment of Data	71
4 PRESENTATION, ANALYSIS AND INTERPRETATION OF DATA	
Problem 1	73
Problem 2	75
Problem 3	127
Problem 4	131
Problem 5	144
Problem 6	148
Problem 7	151
Problem 8	158
Problem 9	161
Problem 10	166
5 SUMMARY, CONCLUSIONS AND RECOMMENDATIONS	
Summary	184
Findings	189
Conclusions	201
Recommendations	202
REFERENCES	204

APPENDICES

A. Letter of Request to the Department of Education Research and Statistics Division	213
B. Sample Letter of Request to the Superintendents	214
C. Endorsements from the Superintendents	215
D. Sample Letter of Request to the School Administrators	225
E. Sample Certification of School-Respondents	226
F. Letter of Consent to the Parents	227
G. Questionnaire for Administrators	228
H. Questionnaire for Teachers	238
I. Questionnaire for Students	247
J. Interview Guide for Key Informants	255
K. Sample Interview Transcriptions	257
L. Interview Transcriptions Tally	267
M. Sample Photos	270
N. Curriculum Vitae	273

LIST OF TABLES

TABLE	Page
1 Characteristics of the Respondent Schools	60
2 Distribution of Teacher-Respondents from Public Secondary Schools	62
3 Distribution of Teacher-Respondents from Private Secondary Schools	62
4 Distribution of Student-Respondents from Public Secondary Schools	64
5 Distribution of Student-Respondents from Private Secondary Schools	64
6 The Extent of Compliance of Public Secondary Schools with DepEd's Standards on Physical Plant and Facilities in Terms of Site	82
7 The Extent of Compliance of Public Secondary Schools with DepEd's Standards on Physical Plant and Facilities in Terms of School Building	92
8 The Extent of Compliance of Public Secondary Schools with DepEd's Standards on Physical Plant and Facilities in Terms of Equipment and Furniture	97
9 The Extent of Compliance of Public Secondary Schools with DepEd's Standards on Physical Plant and Facilities in Terms of Textbooks and Other Instructional Materials	101
10 The Extent of Compliance of Private Secondary Schools with DepEd's Standards on Physical Plant and Facilities in Terms of Site	109
11 The Extent of Compliance of Private Secondary Schools with DepEd's Standards on Physical Plant and Facilities in Terms of School Building	117
12 The Extent of Compliance of Private Secondary Schools with DepEd's Standards on Physical Plant and Facilities in Terms of Equipment and Furniture	122

13 The Extent of Compliance of Private Secondary Schools with DepEd's Standards on Physical Plant and Facilities in Terms of Textbooks and Other Instructional Materials	125
14 Test of Significant Difference Between the Type of School and the Extent of Compliance with DepEd's Standards on Physical Plant and Facilities	128
15 Test of Significant Difference Between the Student Population and the Extent of Compliance with DepEd's Standards on Physical Plant and Facilities	130
16 Test of Significant Difference Between the Years in Operation and the Extent of Compliance with DepEd's Standards on Physical Plant and Facilities	131
17 Management Practices on Physical Plant and Facilities of Public Secondary Schools in Terms of Planning	133
18 Management Practices on Physical Plant and Facilities of Public Secondary Schools in Terms of Budget Allocation	136
19 Management Practices on Physical Plant and Facilities of Public Secondary Schools in Terms of Maintenance	138
20 Management Practices on Physical Plant and Facilities of Private Secondary Schools in Terms of Planning	140
21 Management Practices on Physical Plant and Facilities of Private Secondary Schools in Terms of Budget Allocation	142
22 Management Practices on Physical Plant and Facilities of Private Secondary Schools in Terms of Maintenance	144
23 Test of Significant Difference Between the Type of School and the Extent of Management Practices on Physical Plant and Facilities	145

24 Test of Significant Difference Between the Student Population and the Extent of Management Practices on Physical Plant and Facilities	147
25 Test of Significant Difference Between the Years in Operation and the Extent of Management Practices on Physical Plant and Facilities	148
26 Academic Performance of Students	150
27 Summary of the Test of Relationship Between Academic Performance of Students and the Extent of Compliance of Public and Private Secondary Schools with DepEd's Standards on Physical Plant and Facilities	153
28 Test of Relationship Between Academic Performance of Students and the Extent of Compliance of Public and Private Secondary Schools with DepEd's Standards on Physical Plant and Facilities in Terms of Site	154
29 Test of Relationship Between Academic Performance of Students and the Extent of Compliance of Public and Private Secondary Schools with DepEd's Standards on Physical Plant and Facilities in Terms of School Building	155
30 Test of Relationship Between Academic Performance of Students and the Extent of Compliance of Public and Private Secondary Schools with DepEd's Standards on Physical Plant and Facilities in Terms of Equipment and Furniture	156
31 Test of Relationship Between Academic Performance of Students and the Extent of Compliance of Public and Private Secondary Schools with DepEd's Standards on Physical Plant and Facilities in Terms of Textbooks and Other Instructional Materials	157

32 Summary of the Test of Relationship Between Academic Performance of Students and the Extent of Management Practices on Physical Plant and Facilities	158
33 Test of Relationship Between Academic Performance of Students and the Extent of Management Practices on Physical Plant and Facilities in Terms of Planning	159
34 Test of Relationship Between Academic Performance of Students and the Extent of Management Practices on Physical Plant and Facilities in Terms of Budget Allocation	160
35 Test of Relationship Between Academic Performance of Students and the Extent of Management Practices on Physical Plant and Facilities in Terms of Maintenance	161
36 Common Problems Encountered in the Management of School Physical Plant and Facilities of Public Secondary Schools	163
37 Common Problems Encountered in the Management of School Physical Plant and Facilities of Private Secondary Schools	165

LIST OF FIGURES

FIGURE	Page
1 Paradigm of the study	25
2 Map of the National Capital Region	30
3 Total Population of Teacher-Respondents	63
4 Sample Population of Teacher-Respondents	63
5 Total Population of Student-Respondents	65
6 Sample Population of Student-Respondents	65
7 Proposed Facility Management Program	168

