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IMPACT OF POPULATION ON THE DEVELOPMENT

OF CAVITE

THESIS

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**IMPACT OF POPULATION ON
THE DEVELOPMENT OF
CAVITE**

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ABSTRACT

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The study was conducted to analyze the population trend in Cavite; describe the indicators of development in terms of provincial income, number of business establishments, per capita income, labor force, education and health services; and determine the effects of population on the development of Cavite.

Secondary data from 1980 to 1997 obtained from National Statistics Office (NSO), Department of Education Culture and Sports (DECS), Provincial Health Insurance (PHI) and Provincial Planning Development Office (PPDO) were used in the study. Growth rate was used to analyze the trend of population in Cavite, selected demographic factors, and selected development indicators of Cavite. Weighted aggregate index was used in measuring the development of Cavite. Development indicators used were: provincial income, per capita income, number of business establishments, labor force, education and health services.

Population of Cavite shows an increasing trend from 1980 to 1997 with an average growth rate of 5.30 percent.

The population age group of zero to 14 years old shows an average growth rate of 4.46 percent from 1980-1997. The lowest growth rate was recorded in 1990 at 4.46 percent while highest growth rate was recorded at 8.51 percent in 1982. Moreover, population age group of 15-64 years old and 65 years old and above shows an average growth rate of 5.77 percent and 5.24 percent, respectively.

The average growth rate of enrollees in public schools of Cavite was 3.16 percent.

Number of bed capacities in accredited hospitals of Cavite from 1980-1997 revealed that 1997 was recorded with the highest growth rate at 12.83 percent. This was due to the increase in demand for health services in the province brought about by the increased in population. The average growth rate of bed capacities on accredited hospitals of Cavite was recorded at 1.18 percent.

Using Full model regression in determining the effect of population on the development of Cavite, the results revealed that fertility rate (fr) and population density (dens) were significantly related to development. The regression line has a good fit with an adjusted R^2 value of 0.9821 which implies that 98.21 percent of the variation in development can be explained by the variables such as population, fertility rate, birth rate, death rate and population density.

The F-ratio of 187.829 percent was highly significant ($P < 0.05$). This indicates that the five independent variables altogether statistically influenced the development of Cavite.

TABLE OF CONTENTS

	Page
BIOGRAPHICAL DATA	iii
ACKNOWLEDGMENT	iv
ABSTRACT	vi
LIST OF TABLES	xi
LIST OF FIGURES	xii
LIST OF APPENDICES	xiii
INTRODUCTION	1
Statement of the Problem	3
Objectives of the Study	3
Importance of the Study	3
Operational Definitions of Terms	4
REVIEW OF RELATED LITERATURE	6
CONCEPTUAL FRAMEWORK	9
METHODOLOGY	
Collection of data	12
Method of Analysis	12
Hypotheses	15
Level of Significance	15
Scope and Limitations of the Study	15

DISCUSSION OF RESULTS

Population trend of Cavite, 1980-1997	17
Population by age group	19
Population by sex	21
Fertility, birth, and death rate	23
Population density	25
Selected development indicators	
Income	27
Per capita income	29
Number of registered business establishments	31
Labor force participation rate (LFPR)	34
Number of elementary enrollees in public schools	34
Bed capacity on accredited hospitals	36
Effects of population on the development of Cavite Using Full Model Regression Method	38

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

Summary	41
Conclusions	44
Recommendations	44

BIBLIOGRAPHY	46
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APPENDICES	48
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LIST OF TABLES

Table	Page
1 Population trend in Cavite, 1980-1997	19
2 Population by age group in Cav ite, 1980-1997	21
3 Population by sex in Cavite, 1980-1997	23
4 Fertility, birth and death rate in Cavite, 1980-1997	25
5 Population density in Cavite, 1980-1997	27
6 Provincial income of Cavite, 1980-1997	29
7 Per capita income, 1980-1997	31
8 Number of registered business establishments in Cavite, 1980-1997	32
9 Labor force participation rate (LFPR) in Cavite, 1980-1997.....	34
10 Number of elementary enrollees in public schools of Cavite, 1980-1997	36
11 Bed capacity on accredited hospitals of Cavite 1980-1997	37
12 Effects of population on the development of Cavite Using Full Model Regression	39

LIST OF FIGURE

Figure		Page
1	The framework showing the effects of population on the development of Cavite	10

LIST OF APPENDIX

Appendix		Page
1	Letter	49

APPENDIX TABLES

Appendix Table	Page
1 Regression analysis	50
2 Development index of Cavite	51
3 Provincial income of Cavite, 1980-1997	52
4 Number of registered business establishments in Cavite, by types of industry, 1980-1997	54
5 Number of elementary enrollees in public schools of Cavite, by municipality, 1980-1997	55
6 Number of bed capacities on accredited hospitals of Cavite, by municipality, 1980-1997	56

IMPACT OF POPULATION ON THE DEVELOPMENT OF CAVITE

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INTRODUCTION

Cavite is situated in the island of Luzon which is considered as the largest of the three groups of islands of the Republic of the Philippines. The province covers a total land area of 142,706 hectares representing 2.7 percent of the region's total land area and 0.4 percent of the total land area of the country (Cavite Provincial Profile CY 1997).

Among the 23 cities and municipalities in Cavite, Dasmarinas, Bacoar and Imus are the first municipalities giving the largest share for the increase of provincial population. Meanwhile, Cavite City, Gen. Aguinaldo and Amadeo are the city and municipalities with the smallest share in population growth.

Today, population has been accepted by the government as major factor in the country's development programme. One of the significant factors that augmented the population growth was the establishment of several large and medium-sized industries,