

ENVIRONMENTAL POLLUTION AWARENESS OF MIDDLE SCHOOL STUDENTS

Prof. Dr. T. Arivalan

Retired Principal,

Bon Secours College of Education, Thanjavur, Tamil Nadu, India

Abstract

The purpose of this study is to determine the environmental pollution awareness of middle school students. The sample consisted of 346 middle school students in Thanjavur educational district. The sample was taken using simple random sampling technique. Data was collected with the help of Environmental Awareness Scale was developed by the investigator. The data obtained were analyzed statistically with the help of Mean, Standard Deviation and t-test. The findings are no significant difference in environmental pollution awareness among middle school students with respect to their gender. There is no significant difference in environmental pollution awareness among middle school students with respect to their locality of the school. There is no significant difference in environmental pollution awareness among middle school students with respect their nature of the school.

Key Words: *Environment, Awareness, Pollution, School Students.*

Introduction

Global environment and ecology are rapidly becomes the most demanding subjects for debate, decision and action as the emergence of environmental problems. The world over, development result in disparities in terms of socio-economic conditions between rich and poor countries. Economic trends has benefited a privileged minority and had done little to meet the basic needs of the vast majority of people, while degrading the environment through pollution and deforestation. Increasingly, efforts are being taken by FORGE International Corporation to tackle these problems. The need for the hour is to conserve the environment qualitatively and quantitatively. For this there is a necessity to know the level of environmental pollution awareness.

Need and Significance of the Study

The need for identifying the phenomenon of the awareness of environmental pollution among the middle school students is the important need of the hour. The study may be helpful to students to know the causes, and effectiveness of environmental pollution in their surroundings. Since the students are the pillars of future generations, their awareness about the environment is vital. Thus the investigator has intended to choose this present study named Awareness of Environmental Pollution among the middle school students”.

Title of the Study

The present study entitled as Environmental Pollution Awareness of Middle School Students.

Objectives

1. To find out there is significant difference in awareness of environmental pollution among middle school students with respect to the gender.
2. To find out there is significant difference in awareness of environmental pollution among middle school student with respect to the locality of school.
3. To find out there is significant difference in awareness of environmental pollution among middle school student with respect to the nature of school.

Hypotheses

1. There is no significant difference in awareness of environmental pollution among middle school student with respect to gender.
2. There is no significant difference in awareness of environmental pollution among middle school student with respect to the locality of school.
3. There is no significant difference in awareness of environmental pollution among middle school student with respect to the nature of school.

Review

Ramadevi. V, (2013). In her study mentioned that the awareness of environmental pollution must begin at home. This culture must be nurtured among the school students. The study revealed that the higher secondary school students having a high level of environmental pollution awareness.

Method of the Study

The investigator has selected the normative survey method for conducting the study.

Population and Sample

The investigator selected 346 middle schools students in various middle schools of Thanjavur educational district, Tamil Nadu. Simple random sampling technique is followed for this study.

Tools

The Environmental Awareness scale constructed and standardized by the investigator. The reliability value of the scale is 0.82.

Analysis of Data

1. There is no significant difference in awareness of environmental pollution among middle school students in respect to their gender.

S.No.	Gender	N	Mean	SD	't' Value	Level of Significance
1.	Male	153	89.88	9.81	0.234	Not Significant
2.	Female	193	89.63	10.41		

From the above table, calculated 't' value 0.234 is less than table value 1.96 at 0.05 level of significance. Hence it is found that, there is no significant difference in awareness about environmental pollution among middle school students in respect to their gender and therefore the null hypothesis is accepted

2. There is no significant difference in awareness of environmental pollution among middle school students in respect to their locality of school.

S.No.	Locality of School	N	Mean	SD	't' Value	Level of Significance
1.	Rural	56	88.55	9.80	0.983	Not Significant
2.	Urban	290	89.97	10.20		

From the above table, calculated 't' value 0.983 is less than table value 1.96 at 0.05 level of significance. Hence it is found that, there is no significant difference in awareness about environmental pollution among middle school students in respect to their locality of school and therefore the null hypothesis is accepted

3. There is no significant difference in awareness of environmental pollution among middle schools students in respect to their nature of school.

Awareness about Environmental Pollution	Sources of Variation	Sum of Square	Mean	SD	't' Value	Level of Significance
	Between	36.143	2	18.072	0.175	Not Significant
	Within	35382.446	343	103.156		

From the above table the calculated 'F' value 0.175 is less than the table value 3.00 at 0.05 level of significance. Hence it is found that, there is no significant difference in awareness about environmental pollution among middle school students in respect to their nature of school and therefore the null hypothesis is accepted

Findings of the Study

The major findings of the study are as follows

1. There is no significant difference in awareness of environmental pollution among middle school students in respect to their gender.
2. There is no significant difference in awareness of environmental pollution among middle school students in respect to their locality of school.
3. There is no significant difference in awareness of environmental pollution among middle schools students in respect to their nature of school.

Conclusion

The present study reveals that there is no significant difference in awareness of environmental pollution among middle school students in respect to their gender, locality and nature of the school. The government should take steps to develop awareness programs of environmental pollution in all levels. If the steps should be implemented and follow up seriously, our surroundings and nature will be conserved. A popular slogan of the international ecology movement is "Think globally and act locally".

References

1. Kukreti, B.R. and Jaipal, (2014). "A Study of Environmental Awareness among Primary School Teachers". BRICS Journal of Educational Research, Vol. 4, No. 1,2, pp. 1-9.
2. Lakhera, S.K. and Rekha Bhist, (2013). "A Study on Environmental Orientation among Senior Secondary School Students".
3. AyoeBuus Hansen, (2012). "Challenges in Air Pollution Modeling". Thesis Ph.D., University of Copenhagen.
4. Choudary Rajiv, (2011). "Emerging issues of Environmental Management in India". Thesis PhD, Saurashtra University.
5. SathyaJothi, (2010). "Study of Environmental Awareness among the Middle School Students at Thanjavur District".