



CHAPTER -III

METHODOLOGY

3.1.0 INTRODUCTION

The methodology chapter provides a comprehensive overview of the research design, sampling techniques, data collection tools, procedures, and analysis methods used to investigate the environmental awareness and attitude of middle school students in Kendrapara district, Odisha. This descriptive survey research is grounded in quantitative methods to gather, analyse, and interpret data systematically.

3.2.0 METHODOLOGY

Descriptive Survey Method was employed for the study.

This study conducted in two phases for both middle school teachers and students. Before going to collect the data, researcher developed the questionnaire for attitude and awareness for both students and teachers. Questions are related to daily life and some are from the bookie's knowledge. Questions for teachers were related to their teaching skills and classroom activity. In first step, a questionnaire was provided to each student and teachers for awareness test which include some general knowledge of environment. In second step, researcher provided the questionnaire of attitude test for both teachers and students. It included questions of daily life activities which conducted in classroom.

3.3.0 POPULATION AND SAMPLE OF THE PRESENT STUDY

The population and the sample taken for the study is presented as under.

3.3.1 POPULATION

The middle school students and the teachers of Kendrapara district, Odisha were the population and sample, respectively, for the study.

3.3.2 SAMPLE

Random sampling technique was employed for the study. Twenty Middle schools of Kendrapara, Odisha were selected for the study. As the study was related to the Middle school teacher and the students, so 50 teachers (23 females, 27 males) and 200 students, including 108 girls and 92 boys, were the sample for the study. The details description of the sample is given in Table – 3.1.

TABLE - 3.1: School-wise and Gender-wise Teachers and Students

Sl. No.	Name of the School	No. of Teachers		No. of Students	
		Female	Male	Girls	Boys
1	Baghabuda nodal UP school	1	2	5	5
2	Keshabananda nodal school	1	2	5	5
3	Odisha Adarsh vidyalay, Rajkanika	2	1	2	8
4	Jarisahi nodal UP school	1	1	6	4
5	Taras nodal school	1	2	5	5
6	Jagabandhu nodal UP school	1	2	5	5
7	Ostia nodal school	1	1	5	5
8	Ganja UP school	1	1	3	7
9	R.N high school	2	1	5	5
10	Gangadharpur nodal school	1	2	3	7
11	Chhadesh UP school	1	1	5	5
12	Panchayat Nodal School	1	1	3	7
13	Achyutpur nodal school	1	1	5	5
14	Olaver nodal school	1	1	5	5
15	Pegarpada nodal school	1	2	5	5
16	Jagulaipada nodal school	1	2	5	5
17	Kothasahi nodal school	1	1	5	5
18	Kanika nodal school	2	1	5	5
19	Mathsahi nodal school	1	1	5	5
20	Jaydev nodal school	1	1	5	5
TOTAL		23	27	108	92

3.4.0 VARIABLES UNDER THE STUDY

Two variables, namely, Environmental Awareness and Environmental Attitude were studied in the present research.

These are the outcomes being measured or assessed in the study -how aware the students are about environment issues, and what their attitudes toward environment