



## TABLE OF CONTENTS

COVER PAGE .....	i
TITLE PAGE .....	ii
APPROVAL SHEET .....	iii
PREFACE .....	iv
TABLE OF CONTENTS .....	v
LIST OF TABLES .....	vi
LIST OF FIGURES .....	vii
LIST OF ATTACHMENTS .....	vii
INTISARI.....	ix
ABSTRACT .....	x
I. INTRODUCTION .....	1
A. Scientific Background .....	1
B. Research Problems .....	2
C. Research Aims.....	2
D. Research Benefits .....	2
II. LITERATURE REVIEW AND HYPOTHESIS.....	3
A. Literature Review .....	3
1. <i>Cervus (Axis) lydekkeri</i> .....	3
2. Characteristics of Cervidae Fossil Specimen.....	5
3. Behavioral Biology of Living Cervinae Species .....	7
4. Java Paleoecology during Pleistocene .....	9
B. Hypothesis.....	12
III. MATERIALS AND METHOD.....	13
A. Time and Place .....	13
B. Materials.....	13
C. Tools.....	13
D. Method .....	13
1. Observation of Fossil Specimen.....	13
2. Data Analysis .....	16
IV. RESULT AND DISCUSSION .....	20
A. PCA and <i>Axis lydekkeri</i> fragmented antler .....	20
B. Molar as Identification of Feeding Behavior .....	28
V. CONCLUSION AND SUGGESTION .....	31
REFERENCES.....	32
ATTACHMENTS .....	37