



INDEX

RATIFICATION PAGE	I
AUTHENTICITY STATEMENT	II
ACKNOWLEDGEMENT	III
INDEX	IV
LIST OF DIAGRAMS	VII
LIST OF FIGURES	VII
LIST OF TABLES.....	VII
LIST OF APPENDICES.....	VII
ABSTRACT	VIII
ABSTRAK.....	IX
CHAPTER I.....	1
INTRODUCTION	1
A. STUDY BACKGROUND.....	1
B. PROBLEM FORMULATION.....	2
C. OBJECTIVES	2
D. STUDY ORIGINALITY	2
E. STUDY BENEFITS	6
CHAPTER II	7



LITERATURE REVIEW	7
A. LITERATURE REVIEW	7
A.1 Definition and Epidemiology.....	7
A.2 Molecular Genetics of SARS-CoV-2.....	8
A.3 Pathogenesis of SARS-CoV-2	10
A.4 SARS-CoV-induced downregulation of ACE2	12
A.5 Diagnosis	14
A.6 Management.....	16
A.7 Drug Development.....	17
A.8 Colchicine	21
B. THEORETICAL FRAMEWORK	25
C. CONCEPTUAL FRAMEWORK.....	26
D. HYPOTHESIS.....	27
CHAPTER III	28
RESEARCH METHOD	28
A. TYPE AND STUDY DESIGN	28
B. TIME AND STUDY SETTING	28
C. SUBJECT OF STUDY	28
D. STUDY VARIABLE.....	29
E. OPERATIONAL DEFINITION	29
F. DATA ANALYSIS	30
CHAPTER IV	31



RESULT AND DISCUSSION	31
A. RESULT	31
B. DISCUSSION	52
CHAPTER V	55
CONCLUSION AND RECOMMENDATION	55
A. CONCLUSION	55
B. RECOMMENDATION	55
BIBLIOGRAPHY.....	56
APPENDICES	71