

## TABLE OF CONTENTS

ABSTRACT .....	II
TABLE OF CONTENTS .....	III
LIST OF TABLES .....	VII
LIST OF FIGURES .....	VII
LIST OF ACRONYMS .....	VIII
CHAPTER 1. INTRODUCTION .....	1
1.1. Rationale of the research .....	1
1.2. Research questions .....	3
1.3. Research objectives .....	4
1.4. Research objects and research scope .....	4
1.5. Research methodology .....	4
1.6. Research implications .....	4
1.7. Research structure .....	5
CHAPTER 2. LITERATURE REVIEW AND HYPOTHESIS DEVELOPMENT .....	6
2.1. Definitions .....	6
2.1.1. Social support .....	6
2.1.2. Academic hardiness .....	6
2.1.3. Psychological capital .....	7
2.1.4. Academic motivation .....	8
2.1.5. Learning outcomes .....	9
2.2. Theoretical background .....	10
2.2.1. Conservation of resources (COR) .....	10
2.2.2. Social exchange theory (SET) .....	12
2.2.3. Positive Organizational Behavior (POB) .....	13
2.3. Relevant Research .....	15

#### IV

2.3.1. Research by Siu et al. (2021).....	15
2.3.2. Research by Wentzel et al. (2010).....	15
2.3.3. Research by Nguyen (2017) .....	16
2.3.4. Research by Datu et al.(2016) .....	17
2.3.5. Research by Liu et al. (2020) .....	17
2.4. Hypothesis and theoretical framework.....	18
2.4.1. The relationship between social support and learning outcomes .....	18
2.4.2. The relationship between social support and academic hardiness .....	19
2.4.3. The relationship between social support and academic motivation.....	20
2.4.4. The relationship between social support and psychological capital .....	21
2.4.5. The relationship between academic hardiness and learning outcomes .....	22
2.4.6. The relationship between academic hardiness and academic motivation...	23
2.4.7. The relationship between psychological capital and academic motivation	24
2.4.8. The relationship between psychological capital and learning outcomes ....	24
2.4.9. The relationship between academic motivation and learning outcomes.....	25
2.4.10. The mediating role of academic hardiness on the relationship between social support and learning outcomes .....	26
2.4.11. The mediating role of psychological capital in the relationship between social support and learning outcomes .....	28
2.4.12. The mediating role of academic motivation in the relationship between social support and learning outcomes .....	29
2.4.13. Theoretical framework .....	30
CHAPTER 3. RESEARCH METHODOLOGY .....	31
3.1. Research process .....	31
3.2. Qualitative research .....	32
3.2.1. Social support measurement scale.....	32
3.2.2. Academic hardiness measurement scale .....	32

3.2.3. Psychological capital measurement scale.....	33
3.2.4. Academic motivation measurement scale .....	34
3.2.5. Learning outcomes measurement scale .....	35
3.3. Quantitative Research.....	35
3.3.1. Research sample .....	36
3.3.2. Data analysis method.....	36
3.3.3. Evaluation of measurement and structural models.....	37
CHAPTER 4. RESEARCH RESULT .....	40
4.1. Descriptive analysis.....	40
4.2. Measurement model evaluation .....	41
4.2.1. Measurement items quality.....	41
4.2.2. The assessment of scale reliability .....	44
4.2.3. Convergent validity test.....	45
4.2.4. Discriminant validity tests .....	45
4.2.5. Multicollinearity test .....	46
4.3. Structural model evaluation and hypothesis testing.....	48
4.4. Testing for gender differences.....	52
4.5. Discussion .....	52
CHAPTER 5. CONCLUSION AND IMPLICATIONS .....	56
5.1. Conclusion.....	56
5.2. Implications .....	57
5.2.1. Theoretical implications .....	57
5.2.2. Practical implications .....	57
5.3. Limitations and future research directions .....	64
REFERENCES .....	66
APPENDIX .....	90