



TABLE OF CONTENTS

TITLE.....	i
APPROVAL PAGE	ii
AUTHENTICITY STATEMENT	iii
ACKNOWLEDGEMENT	iv
TABLE OF CONTENTS	vi
LIST OF FIGURES.....	viii
LIST OT TABLES	viii
LIST OF APPENDICES	x
ABSTRACT	xiv
INTISARI.....	xv
CHAPTER I : INTRODUCTION	1
I.1. Background	1
I.2. Research Question.....	3
I.3. Objectives	3
I.4. Research Authenticity	4
I.5. Research Benefit.....	6
CHAPTER II : LITERATURE REVIEW.....	7
II.1. Literature Review	7
II.1.1. Motorcycle Traffic Accident	7
II.1.2. Motorcycle Traffic Accident Injuries	7
II.1.3. Riding Regulations.....	8
II.1.4. Anatomy of Foot	9
II.1.5. Mechanism of Injury	10
II.1.6. Foot Injury.....	11



II.1.6.1. Foot Fracture	12
II.1.6.2. Wound	14
II.2. Theorectical Framework	17
II.3. Conceptual Framework	17
II.4. Hypothesis.....	18
CHAPTER III : RESEARCH METHODOLOGY.....	19
III.1. Study Design	19
III.2. Population and Subjects	19
III.3. Sample Size Calculation	19
III.4. Variables	20
III.5. Operational Definition.....	21
III.6. Study Method	23
III.7. Statistics Analysis	23
CHAPTER IV : RESULT AND DISCUSSION	24
IV.1. Research Result.....	24
IV.1.1. Descriptive Study	24
IV.1.2. Analytic Study	29
CHAPTER V : CONCLUSION AND SUGGESTION.....	48
V.1. Conclusion.....	48
V.1. Suggestion	49
REFERENCES	51
APPENDICES	55



LIST OF FIGURES

Figure 1. The Comparison of Numbers Based on Vehicle Type	1
Figure 3. Anatomy of Foot.....	10
Figure 4. Theorectical Framework	17
Figure 5. Conceptual Framework.....	17
Figure 5. Percentage of Victims by Gender	24
Figure 6. Percentage of Victims by Age	24
Figure 7. Percentage of Victims by Position.....	25
Figure 8. Percentage of Victims by Time of Accident.....	25
Figure 9. Percentage of Victims by Alcohol Consumption	26
Figure 10. Percentage of Victims by Sequel	26
Figure 11. Percentage of Victims by Mechanism of Accident.....	27
Figure 12. Percentage of Victims by Mechanism of Accident based on the involved vehicles.....	27

LIST OF TABLES

Table 1. The Comparison with Previous Research	4
Table 2. Analysis between Gender with Mechanism of Accident	29
Table 3. Correlation between Gender and Mechanism of Accident	29
Table 4. Analysis between Position of Victims with Type of Fracture	30
Table 5. Analysis between Position with Location of Injury	30
Table 6. Analysis between Position with Type of Wound.....	30
Table 7. Analysis between Position with Sprain.....	31



Table 8. Analysis between Position with Contusion.....	31
Table 9. Analysis between Position with Dislocation.....	31
Table 10. Analysis between Position with Sequel.....	32
Table 11. Analysis between Age with Type of Fracture.....	33
Table 12. Analysis between Age with Location of Injury	33
Table 13. Analysis between Age with Type of Wound	33
Table 14. Analysis between Age with Sprain	34
Table 15. Analysis between Age with Contusion	34
Table 16. Analysis between Age with Dislocation	34
Table 17. Analysis between Age with Sequel.....	35
Table 18. Analysis between Time of Accident with Type of Fracture	35
Table 19. Analysis between Time of Accident with Location of Injury.....	36
Table 20. Correlation between Time of Accident with Location of Injury.....	36
Table 21. Analysis between Time of Accident with Type of Wound.....	37
Table 22. Analysis between Time of Accident with Sprain.....	37
Table 23. Analysis between Time of Accident with Contusion.....	37
Table 24. Analysis between Time of Accident with Dislocation.....	38
Table 25. Analysis between Time of Accident with Sequel	38
Table 26. Analysis between Time of Accident with Alcohol Consumption.....	38
Table 27. Analysis between Mechanism of Accident with Type of Fracture	38
Table 28. Analysis between Mechanism of Accident with Location of Injury	40
Table 29. Analysis between Mechanism of Accident with Type of Wound	40
Table 30. Analysis between Mechanism of Accident with Sprain	40
Table 31. Analysis between Mechanism of Accident with Contusion	41



Table 32. Analysis between Mechanism of Accident with Dislocation	41
Table 33. Analysis between Mechanism of Accident with Sequel	41
Table 34. Analysis between Mechanism of Accident with Alcohol Consumption	42

LIST OF APPENDICES

Appendix 1. Descriptive Analysis for Percentage of Victims by Gender	55
Appendix 2. Descriptive Analysis for Percentage of Victims by Age	55
Appendix 3. Descriptive Analysis for Percentage of Victims by Position of Victims	55
Appendix 4. Descriptive Analysis for Percentage of Victims by Mechanism of Accident	56
Appendix 5. Descriptive Analysis for Percentage of Victims by Time of Accident	56
Appendix 6. Descriptive Analysis for Percentage of Victims by Alcohol Comsumption	56
Appendix 6. Descriptive Analysis for Percentage of Victims by Sequel	56
Appendix 9. Descriptive Analysis for Percentage of Victims by Contusion	57
Appendix 10. Descriptive Analysis for Percentage of Victims by Sprain	57
Appendix 11. Descriptive Analysis for Percentage of Victims by Dislocation	58
Appendix 12. Descriptive Analysis for Percentage of Victims by Location of Injury	58
Appendix 13. Descriptive Analysis for Percentage of Victims by Type of Fracture	58



Appendix 14. Chi-Square Test for Association between Age and Mechanism of Accident	59
Appendix 15. Chi-Square Test for Association between Position of Victim and Type of Fracture	59
Appendix 16. Chi-Square Test for Association between Position of Victim and Location of Injury	60
Appendix 17. Chi-Square Test for Association between Position of Victims and Wound	61
Appendix 18. Chi-Square Test for Association between Position of Victims and Sprain	61
Appendix 19. Chi-Square Test for Association between Position of Victims and Contusion	62
Appendix 20. Chi-Square Test for Association between Position of Victims and Dislocation	63
Appendix 21. Chi-Square Test for Association between Position of Victims and Sequel	63
Appendix 22. Chi-Square Test for Association between Position of Victims and Alcohol Consumption	64
Appendix 23. Chi-Square Test for Association between Age and Type of Fracture	65
Appendix 24. Chi-Square Test for Association between Age and Location of Injury	65
Appendix 25. Chi-Square Test for Association between Age and Type of Wound	66
Appendix 26. Chi-Square Test for Association between Age and Sprain	67
Appendix 27. Chi-Square Test for Association between Age and Contusion	67
Appendix 28. Chi-Square Test for Association between Age and Dislocation	68



Appendix 29. Chi-Square Test for Association between Age and Sequel.....	69
Appendix 30. Chi-Square Test for Association between Time of Accident and Type of Fracture	69
Appendix 31. Chi-Square Test for Association between Time of Accident and Location of Injury	70
Appendix 32. Chi-Square Test for Association between Time of Accident and Wound	71
Appendix 33. Chi-Square Test for Association between Time of Accident and Sprain	71
Appendix 34. Chi-Square Test for Association between Time of Accident and Contusion	72
Appendix 35. Chi-Square Test for Association between Time of Accident and Dislocation	73
Appendix 36. Chi-Square Test for Association between Time of Accident and Sequel	73
Appendix 37. Chi-Square Test for Association between Time of Accident and Alcohol Consumption	74
Appendix 38. Chi-Square Test for Association between Mechanism of Accident and Type of Fracture	75
Appendix 39. Chi-Square Test for Association between Mechanism of Accident and Location of Injury.....	75
Appendix 40. Chi-Square Test for Association between Mechanism of Accident and Wound	76
Appendix 41. Chi-Square Test for Association between Mechanism of Accident and Sprain	77
Appendix 42. Chi-Square Test for Association between Mechanism of Accident and Contusion	77



Appendix 43. Chi-Square Test for Association between Mechanism of Accident and Dislocation	78
Appendix 44. Chi-Square Test for Association between Mechanism of Accident and Sequel	78
Appendix 45. Chi-Square Test for Association between Mechanism of Accident and Alcohol Consumption	79
Appendix 46. Ethical Clearance	81