



TABLE OF CONTENTS

TITLE PAGE	i
ACKNOWLEDGEMENTS.....	iv
LIST OF TABLES	vii
LIST OF FIGURES	viii
ABSTRACT	ix
INTISARI	x
CHAPTER I - INTRODUCTION	1
1.1. Background	1
1.2. Problem Statement	2
1.3. Research Question.....	3
1.4. Research Objectives	4
1.5. Research Contributions.....	4
1.6. Research Scope	5
1.7. Systematic Writing.....	5
CHAPTER II – LITERATUR REVIEW.....	7
2.1. Efficient Frontier.....	7
2.2. Net Assets Value.....	9
2.3. Technical Analysis.....	9
2.4. Foreign Exchange Market.....	13
2.5. London Breakout.....	15



2.6. Martingale	17
2.7. Pip	17
2.8. Spread.....	18
2.9. MetraTrader 4 Client Terminal	18
2.10. Expert Advisor	20
2.11. Backtesting.....	20
2.12. Drawdown	22
2.13. Tick Story.....	24
CHAPTER III – RESEARCH METHODS.....	25
3.1 Research Design.....	25
3.2 Data Collection Method	27
3.3 Research Instruments	28
3.4 Data Analysis Method.....	30
CHAPTER IV – RESULT AND DISCUSSION.....	34
4.1 Descriptions of the Data.....	34
4.2. Discussions.....	41
CHAPTER V – CONCLUSION AND RECOMMENDATION	43
5.1. Conclusion.....	43
5.2. Limitations	44
5.3. Suggestions/Recommendations.....	45
REFERENCES	46



LIST OF TABLES

Table 2.1 Example of RSI Calculation	12
Table 2.2 Volume Comparable of Forex Market, NYSE and IHSG	14
Table 2.3 Major Market Session Hours	15
Table 3.1 Profit in money for each TP and SL combination Matrix (USD)	26
Table 3.2 Winning Rate for each TP and SL combination Matrix	26
Table 3.3 Drawdown for each TP and SL combination Matrix	26
Table 3.4. Number of Cut Switch per TP and SL level	27
Table 3.5 Lot Ratio with 1% Risk	28
Table 3.6 Lot Ratio with 0.025% Risk	30
Table 4.1 Profit in money for each TP and SL combination Result (USD).....	35
Table 4.2 TP and SL proportion	36
Table 4.3 Winning Rate for each TP and SL combination Result	37
Table 4.4 Drawdown for each TP and SL combination Result.....	37
Table 4.5 Number of Cut Switch per TP and SL level	38
Table 4.6 Equity Needed for Cut Switch Martingale with lot 0.01	42
Table 4.7 Equity Needed for Cut Switch Martingale with lot 0.03	42



LIST OF FIGURES

Figure 2.1 Relationship Between Risk and Expected Return	7
Figure 2.2 Efficient Frontier	8
Figure 2.3 Comparison of Moving Average	11
Figure 2.4 Relative Strength Index	13
Figure 2.5 Foreign Exchange Trading Market Share.....	14
Figure 2.6 The Circadian Rhythms of Foreign Exchange Markets	16
Figure 2.7. Logic of Pending Limit and Stop.....	19
Figure 2.8 Expert Advisor - Strategy Tester Display.....	20
Figure 2.9 Expert Advisor - Expert Properties.....	21
Figure 2.10 Expert Advisor - Strategy Tester Report	22
Figure 2.11 Drawdown Comparable Between Stock and Forex Market	23
Figure 2.12 Forex Leverage Comparable.....	23
Figure 3.1 Expert Advisor - Input Menu.....	32
Figure 3.2 Expert Advisor - Testing Menu	32
Figure 3.3 Expert Advisor - Backtest Display	33
Figure 4.1 Expert Advisor - Strategy Tester Report	34
Figure 4.2 Efficient Frontier of Backtest Result	39
Figure 4.3 Efficient Frontier London Breakout and Mutual Fund	40