

**UNIVERSITI TEKNOLOGI MARA**

**PATTERN OF PROPERTY CRIME RECIDIVISM BY USING  
DATA MINING TOOL**

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## **ABSTRACT**

Recidivism is the act of continuing to commit crimes after had been punished. Recidivists are not excluded in contributing the number of crimes and tend to repeat the crime because of several factors of life. In the meantime, incarceration has effected the community whom paid the price of high-repeated crimes in social and financial terms, by encountering the lack of public safety, breaking down of social connections, and unavoidable intergenerational poverty. In this study, Frequent Pattern Growth (FP-Growth) method was used to identify the pattern of recidivism in property crime and to find the association between property related crime and the number of days to commit recidivism. 7372 observations from secondary data was used in this study. The data taken from Bureau of Justice Statistics in United States. The pattern that was conducted indicates that most of the offenders had committed burglary as their first type of crime and most of them had repeated the same type of crime. To summarize, FP Growth method is suitable in finding a pattern and should be acknowledged by everyone since it can create rules and producing hidden information in the data especially in predicting recidivism.

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## TABLE OF CONTENTS

TOPIC	PAGE
ABSTRACT	i
ACKNOWLEDGEMENT	ii
TABLE OF CONTENTS	iii
LIST OF TABLES	v
LIST OF FIGURES	vi
<b>CHAPTER 1: INTRODUCTION</b>	
1.1 Introduction	1
1.2 Problem Statement	3
1.3 Research Questions	4
1.4 Research Objectives	4
1.5 Scope of Study	4
1.6 Significance of Study	5
<b>CHAPTER 2: LITERATURE REVIEW</b>	
2.1 Introduction	6
2.2 Property Crime Recidivism	8
2.2.1 Failure Programs	8
2.2.2 Economic Stress	8
2.3 Machine Learning	9
2.3.1 Association Rule	10
2.3.1.1 Data Mining	10
2.3.1.2 Apriori Algorithm	11
2.3.2 Frequent Pattern Growth (FP-Growth)	11
<b>CHAPTER 3: METHODOLOGY</b>	
3.1 Introduction	13
3.2 Sources of Data	13
3.3 Method of Analysis	13
3.3.1 Descriptive Analysis	13
3.3.2 Frequent Pattern Growth (FP-Growth)	14
<b>CHAPTER 4: RESULTS AND DISCUSSION</b>	
4.1 Introduction	19
4.2 Descriptive Statistics	19
4.2.1 Age of Offenders	19
4.2.2 Type of Property Crime	20
4.2.3 Percentage of Released Offenders by Year	21
4.3 Frequent Pattern Growth (FP Growth)	21
4.4 Association Rule	25

<b>CHAPTER 5:</b>	<b>CONCLUSIONS AND RECOMMENDATIONS</b>	
	5.1	Conclusions 27
	5.2	Recommendations 28
<b>REFERENCES</b>		<b>30</b>
<b>APPENDICES</b>		<b>34</b>