

IMPACT OF LIQUIDITY RISK, SOLVENCY RATIO AND CORPORATE GOVERNANCE TO THE *SUKUK* DEFAULTED FIRM

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AUTHOR DECLARATION

I hereby declare that this thesis is my own except for quotations and summaries which have been duly acknowledged.

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ABSTRAK

Isu sukuk ingkar telah menjadi keterujaan ramai pihak yang terlibat dalam industri sukuk terutamanya selepas krisis kewangan global pada 2007-2008 berdasarkan beberapa pelaporan kes berprofil tinggi berkait dengan sukuk hampir ingkar yang melibatkan sebahagian negara Majlis Kerjasama Teluk (GCC) dan Amerika Syarikat (US), antaranya Saad Group Golden Belt Sukuk (Saudi Arabia), Kuwaiti Investment Dar Sukuk (Kuwait) dan East Cameron Gas Company Sukuk (US). Di Malaysia, terdapat 35 buah firma penerbit sukuk yang diisytihar ingkar oleh Rating Agency Malaysia Berhad (RAM) and Malaysian Rating Corporation Berhad (MARC) dari 2002 sehingga 2014. Kegagalan menanggapi isu ini akan memberi kesan terhadap industri perbankan dan kewangan di negara-negara yang menerbitkan sukuk. Malaysia sebagai penerbit sukuk utama dunia telah menerbitkan sukuk untuk pembiayaan kepada industri dan sektor dalam bidang pembinaan, pembangunan dan pelaburan. Oleh itu, adalah masa yang tepat pengkaji membuat kajian keatas sukuk ingkar. Kajian ini bagi menyelidiki sejauh mana risiko kecairan, nisbah kemampuan dan tadbir urus korporat menyumbang kepada ciri-ciri 30 buah firma sukuk ingkar dan 30 bukan sukuk ingkar di Malaysia dari 2006 sehingga 2011. Bagi memahami mengenai sukuk ingkar, tiga pemboleh ubah telah dikaji iaitu risiko kecairan, nisbah kemampuan dan tadbir urus korporat. Risiko kecairan diukur menggunakan nisbah cepat dan nisbah tunai kepada aset, nisbah kemampuan diukur dengan nisbah hutang kepada equiti dan nisbah perlindungan faedah, manakala tadbir urus diukur dengan kewujudan jawatankuasa audit dan pengarah bebas. Analisis-analisis kajian dijalankan dengan menggunakan SPSS bagi *logistic regression* dan WEKA bagi *decision tree*. Hasil penemuan keatas setiap pemboleh ubah bebas, risiko kecairan (nisbah cepat dan nisbah tunai kepada aset), nisbah kemampuan (nisbah hutang kepada ekuiti) dan tadbir urus korporat (kewujudan jawatankuasa audit) menyumbang kepada sukuk ingkar dan keingkaran firma-firma sukuk. Sementara itu, penemuan model penuh dari WEKA mendedahkan bahawa kewujudan jawatankuasa audit, nisbah hutang kepada ekuiti dan nisbah cepat memberi kesan kepada keingkaran firma-firma sukuk. Oleh itu, daripada penemuan-penemuan ini, menunjukkan bahawa risiko kecairan, nisbah kemampuan dan tadbir urus korporat menyumbang kepada sukuk ingkar dan keingkaran firma-firma sukuk di Malaysia dari 2006 sehingga 2011. Penemuan kajian ini menunjukkan sukuk ingkar dan keingkaran firma-firma sukuk berlaku serentak dengan krisis kewangan dunia pada 2007-2008. Kajian akan datang dicadangkan atas keperluan untuk mengetahui lebih lagi mengenai sukuk, risiko kecairan dan krisis kewangan.

ABSTRACT

Sukuk default issue has impressed many parties of the *sukuk* industry, especially after the global financial crisis in 2007-2008 based on several high-profile cases reported related to *sukuk* near-default in 2009 which involved some Gulf Cooperation Council (GCC) countries and the United States of America (US), such as Saad Group Golden Belt *Sukuk* (Saudi Arabia), the Kuwaiti Investment Dar *Sukuk* (Kuwait), and the East Cameron Gas Company *Sukuk* (US). In Malaysia, there were 35 *sukuk* issuer firms registered default by Rating Agency Malaysia Berhad (RAM) and Malaysian Rating Corporation Berhad (MARC) from 2002 to 2014. Failure to address the issue may affect the banking and financial institutions in the *sukuk* issuance countries. Malaysia as the prime *sukuk* issuer in the world has issued *sukuk* for financing the industries and sectors in constructions, development and investment. Therefore, it is timely for researcher to do research on the *sukuk* default. This study investigates the extent to which liquidity risk, solvency ratio and corporate governance contribute to the characteristics of 30 *sukuk* default and 30 non-default firms in Malaysia from 2006 to 2011. In order to understand *sukuk* default, three independent variables are tested which are liquidity risk, solvency ratio and corporate governance. Liquidity risk is measured by using quick ratio and cash to asset ratio, solvency ratio is measured by using interest coverage ratio and debt to equity ratio, whereas the corporate governance is measured by using existence of audit committee and independent director. The analyses are conducted on SPSS and WEKA by using logistics regression and decision tree analysis. From the findings of each independent variable, the liquidity risk (quick ratio and cash to asset ratio), solvency ratio (debt to equity ratio) and corporate governance (existence of audit committee) contributed to the *sukuk* default and defaulted *sukuk* firms. Meanwhile, the full model, finding from WEKA revealed that existence of audit committee, debt to equity ratio and quick ratio affect *sukuk* default and *sukuk* defaulted firms. Therefore, from the findings, it shows that liquidity risk, solvency ratio and corporate governance contributed to the *sukuk* default and *sukuk* defaulted firms in Malaysia from 2006 to 2011. This findings indicate that *sukuk* default and *sukuk* defaulted firms coincided with world financial crisis of 2007-2008. Future research is suggested on the need to explore more on the *sukuk*, liquidity risk, and financial crisis.

AL MUKHLAS

نبذة مختصرة

في فيملاعلما فيلما لا تمزلاً دعب تصاخ، وكوصلا عانص في فارطلاً ن م ديدعلا باجعا لكوصلا في ضارنقلا رادصلا راثا دادسلا ن ع فالختلا ن م برتقت لكوصب قلعتملاو اهذع غلابلا مّ في تلا قزربالا اياضقلا ن م ديدعلا في لعءانب ٢٠٠٨-٢٠٠٧ يهذلا مازحلا لكوصد لثم، فيكبرملاً قدحتما تايلاولا في جيلخلا ن واعنلا س لجم لود ضعب تلمش في تلاو ٢٠٠٩ ماع في تايلاولا (زاغلا ن وريماك قرش فكرش كوكسو)، تيوكلا (رامتسللا فيتيوكلا لكوصلا رادو)، فيديويسلا (دعسة عومجمل (قدحتما).

(مار) داهريد ايزيلام فينصنلا ملاكو لبق ن م في ضارنقا لكشب قلعسم لكوصلا قردصم فكرش ٣٥ كانه ناك، ايزيلام في في فيفرصملا تاسسوملا في لع قلكشملا قلعلم مدع رثوي دق. ٢٠١٤ في ٢٠٠٢ ن م) كرام (داهريد فيزيلاملا فينصنلا فكرشو ليومتل كوكص ملاعلا في لكوصلا في سيئرلا رصملا اهتقصب ايزيلام تردصا، لكوصلا تردصا في تلا نادلبلا في فيلماو رامتسللاو فيمقنلاو عانبل في فتاعاطقلاو تاعانصلا.

رطاخم في دم في فيساردا هذه فيحب. لكوصلا في دادسلا ن ع فالختلا لود ثحب عارجل ثحابلا تقولا ن اد دق، كذا فكرش ٣٠ دادسلا ن ع قفلختملا لكوصلا ن م عون ٣٠ صناص في فتاكرشلا فمكوحو فيلما قعلاملا قيسن مهادس، قلويسلا تاريغم ثلاث رابنخا مّ، لكوصلا في دادسلا ن ع فالختلا مهف لجأ ن م. ٢٠١١ في ٢٠٠٦ ن م ايزيلام في في قفلختم ريغ. فتاكرشلا فمكوحو قعلاملا قيسنو قلويسلا رطاخم في هو قلقسم.

قيسن مادختساب فيلما قعلاملا قيسن ساقتو، لوصلا في ل دقنلا قيسنو قعيرسلا قيسنلا مادختساب قلويسلا رطاخم ساقتو مّ. ل ققسيم ريديمو قيقدت قنجل مادختساب فتاكرشلا فمكود ساقتو مّ في في، فيكلملا قوقد في ل نيدلا قيسنو قنقلا قيطعت.

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قيسن (فيلما قعلاملا قيسن مهادس)، لوصلا في ل دقنلا قيسنو قعيرسلا قيسنلا (قلويسلا رطاخم، ل ققسيم ريغم لك جئاتن ن م تقولا في قو. قرتعتما لكوصلا فتاكرشو لكوصلا رتعت في قيقدت قنجل دوجو) فتاكرشلا فمكوحو (فيكلملا قوقد في ل نيدلا قيسنو قيقدت قنجل دوجو ن ع) (WEKA) قفرعلا ليلحتا وتاكياو قنيب جمانريو ن م ج ذومنلا قلماكلا جئاتنلا تفشك، مسفد مّ، جئاتنلا ن م، كذا. قرتعتما لكوصلا فتاكرشو لكوصلا رتعت في لع عيرسلا قيسنلا ريثأتو فيكلملا قوقد في ل نيدلا لكوصلا رتعتو لكوصلا دادس ن ع فالختلا في مهادس فتاكرشلا فمكوحو فيلما قعلاملا قيسنو، قلويسلا رطاخم ن ا رهظي. ٢٠١١ في ٢٠٠٦ ن م ايزيلام في.

٢٠٠٨-٢٠٠٧ في فيملاعلما فيلما لا تمزلاً م تنمازت لكوصلاو تادسلا في قرتعتما فتاكرشلا ن ا في جئاتنلا هذه ريشن. فيلما لا تمزلاً او قلويسلا رطاخمو لكوصلا ن ع ديزملا فاشكتسا في ل عااجلا لود في ل ققسيم ثحب جارتقا مّ.

TABLE OF CONTENTS

CONTENTS	PAGE
AUTHOR DECLARATION	i
ACKNOWLEDGEMENT	ii
ABSTRAK	iv
ABSTRACT	v
AL-MUKHLAS	vi
TABLE OF CONTENTS	vii
LIST OF TABLES	x
LIST OF FIGURES	xi
LIST OF STATUTES	xii
LIST OF ABBREVIATIONS	xiii
 CHAPTER 1: INTRODUCTION	
1.1 Research Background	1
1.2 Problem Statement	3
1.3 Research Questions	15
1.4 Research Objectives	15
1.5 Research Hypotheses	16
1.6 Scope of the Research	16
1.7 Significance of the Research	18
1.8 Structure of the Research	19
1.9 Limitations of the Research	20
1.10 Summary	20
 CHAPTER 2: <i>SUKUK</i> DEFAULT FIRMS' PROFILES IN MALAYSIA	
2.1 Introduction	21
2.2 <i>Sukuk</i>	21
2.2.1 Overview of <i>Sukuk</i> History	22
2.2.2 Definition of <i>Sukuk</i>	24
2.2.3 Type of <i>Sukuk</i>	26
2.2.4 Characteristics of <i>Sukuk</i> Compared to Bond	28
2.2.5 Global <i>Sukuk</i> Default Events	30
2.2.6: Malaysian <i>Sukuk</i> Default Events	33
2.3 Profiling of <i>Sukuk</i> Defaulted Firms in Malaysia	34
2.4 Types of Industries and Economics Sectors	34
2.5 Summary	37
 CHAPTER 3: LITERATURE REVIEW	
3.1 Introduction	38
3.2 Islamic Financial System	38
3.3 Islamic Economic System	41
3.4 Financial Crisis and <i>Sukuk</i> Default	43
3.5 Theory and Model Related with Predictability of <i>Sukuk</i> Default Firm	46
3.5.1 Failure Prediction Model	46
3.5.2 Agency Theory	48
3.5.3 Stakeholder Theory	50

3.6	Factors Contributing to the Predictability <i>Sukuk</i> Default	51
3.6.1	Liquidity Risk Indicators	51
3.6.2	Solvency Ratio Indicators	54
3.6.3	Corporate Governance Characteristics	59
3.7	Research Framework	70
3.8	Research Gap	71
3.9	<i>Shariah</i> Screening Methodology	72
3.10	Summary	75
CHAPTER 4: RESEARCH METHODOLOGY		
4.1	Introduction	76
4.2	Research Approach	76
4.3	Research Design	79
4.4	Data Collection	81
4.5	Sampling Frame of <i>Sukuk</i> Default and Non-Default Firms	83
4.6	Framework of Estimating the Predictability of <i>Sukuk</i> Default	85
4.7	Research Measurement	92
4.7.1	Predictability of <i>Sukuk</i> Defaulted Firm	93
4.7.2	Liquidity Risk Variable Measurement	95
4.7.3	Solvency Ratio Variable Measurement	100
4.7.4	Corporate Governance Variable Measurement	104
4.8	Research Methodology	107
4.8.1	Logistic Regression Model in Predicting <i>Sukuk</i> Defaulted Firm	108
4.8.2	Decision Tree Model in Predicting <i>Sukuk</i> Defaulted Firm	115
4.9	Summary	119
CHAPTER 5: RESULT ANALYSIS AND DISCUSSIONS		
5.1	Introduction	120
5.2	Descriptive Analyses	121
5.2.1	Analysis on <i>Sukuk</i> Defaulted and Non-Defaulted Firms	121
5.2.2	Analysis on Type of <i>Sukuk</i> Defaulted Firms and Amount from 2006-2011	123
5.2.3	Analysis on Number of <i>Sukuk</i> Defaulted Based on Year	126
5.2.4	Analysis on <i>Sukuk</i> Ratings of the <i>Sukuk</i> Defaulted Firms	127
5.2.5	Analysis on <i>Sukuk</i> Type and Number of <i>Sukuk</i> Type Default	129
5.2.6	Analysis on Average Number of Years Before <i>Sukuk</i> Default Before/After 2007-2008 Financial Crisis	130
5.2.7	Analysis on Type of Industries and Economics Sector	132
5.3	Analysis on Liquidity Risk Indicators	134
5.4	Model of the Liquidity Risk Indicators	138
5.5	Analysis on Solvency Ratio Indicators	139
5.6	Model of the Solvency Ratio Indicators	143
5.7	Analysis on Corporate Governance Characteristics	144
5.8	Model of the Corporate Governance Characteristics	151
5.9	Analysis on <i>Sukuk</i> Default and Non-Default Firm Characteristics	152
5.10	Model of the Predictability of <i>Sukuk</i> Defaulted Firms	154
5.11	Summary	156

CHAPTER 6: CONCLUSION AND RECOMMENDATIONS

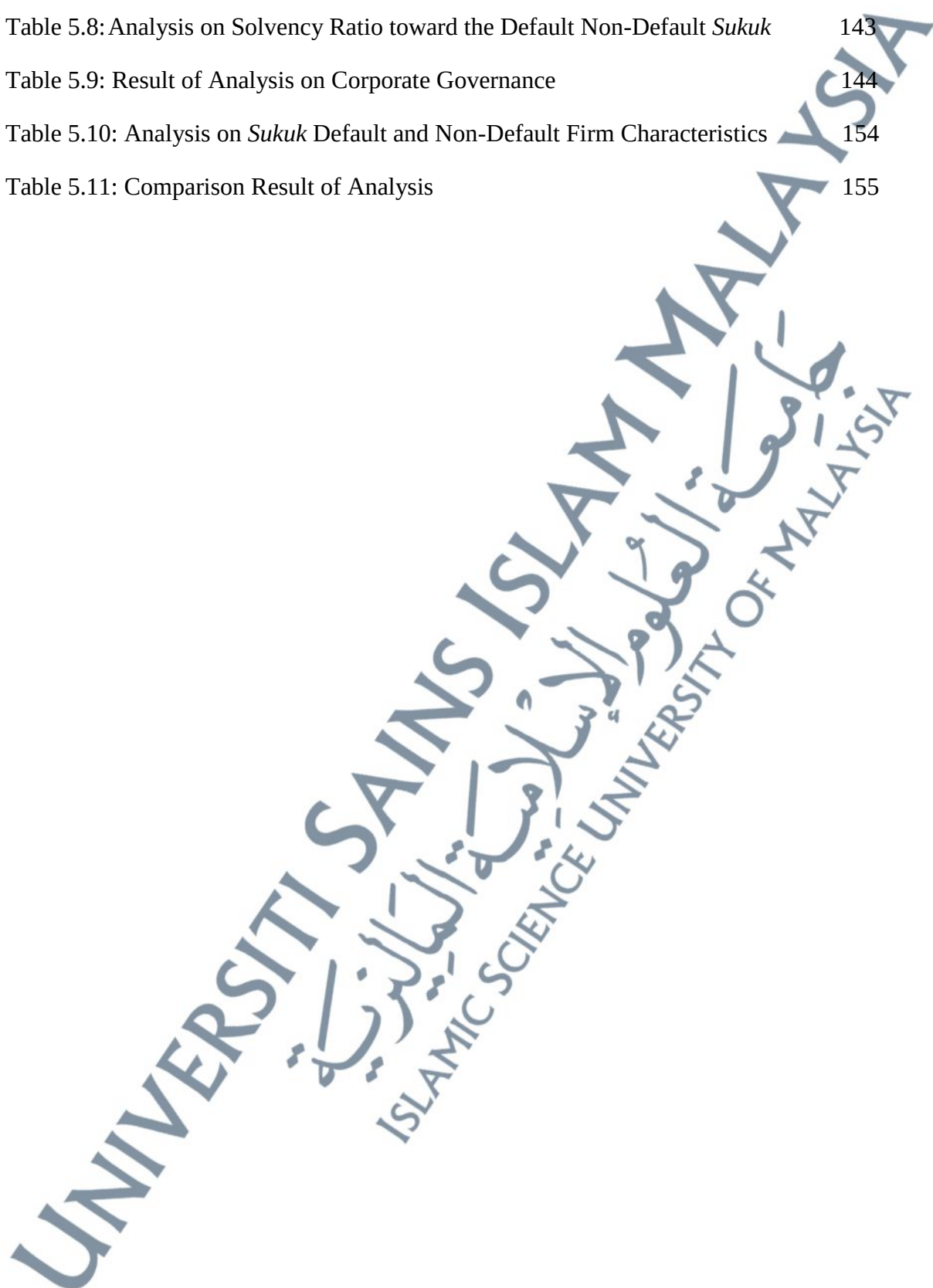
6.1	Introduction	159
6.2	Summary of the Findings	159
6.3	Challenges	179
6.4	Future Research	180
6.5	Concluding Remarks	181
REFERENCES		183
APPENDICES		201



LIST OF TABLES

Tables	Page
Table 1.1: Numbers of <i>Sukuk</i> Default Based on Year of Default	8
Table 2.1: The Characteristics of <i>Sukuk</i> Compared to Bond Based on Characterization	29
Table 2.2: <i>Sukuk</i> Defaulted in the Global Market, 2003-2009	31
Table 2.3: Firm <i>Sukuk</i> Default Rate in Malaysia, 2002-2011	33
Table 2.4: Type of Industries and Number of <i>Sukuk</i> Firms Involved in Sole Activity or Cross-Activities	48
Table 3.1: Table of Summary of Literature on Theories and Model	51
Table 3.2: Malaysian Codes of Corporate Governance (MCCG) and <i>Shariah</i> Governance Framework (SGF)	66
Table 3.3: Table of Summary of Literature on Variables	70
Table 4.1: The Sampling Frame of <i>Sukuk</i> Default and Non-Default Firms, 2006-2011	84
Table 4.2: KMO and Bartlett's Test	86
Table 4.3: Common Factor Variance	87
Table 4.4: Variance Contributions of All Components	88
Table 4.5: Rotated Component Matrix	90
Table 4.6: Component Coefficient Matrix	91
Table 4.7: List of Variables and Unit of Measurements	106
Table 4.8: Table of Summary of Literature on Methodology	119
Table 5.1: <i>Sukuk</i> Defaulted and Non-Defaulted Firms, 2006-2011	122
Table 5.2: Type of <i>Sukuk</i> Defaulted Firms and Amount from 2006-2011	123
Table 5.3: <i>Sukuk</i> Ratings of the <i>Sukuk</i> Defaulted Firms	127
Table 5.4: <i>Sukuk</i> Type and Number of <i>Sukuk</i> Type Default	130
Table 5.5: Average Number of Years Before <i>Sukuk</i> Default and Before/After 2007-2008 Financial Crisis	131
Table 5.6: Types of Industries and Economics Sector	133

Table 5.7: Analysis on Quick Ratio and Cash to Asset Ratio of Liquidity Risk	135
Table 5.8: Analysis on Solvency Ratio toward the Default Non-Default <i>Sukuk</i>	143
Table 5.9: Result of Analysis on Corporate Governance	144
Table 5.10: Analysis on <i>Sukuk</i> Default and Non-Default Firm Characteristics	154
Table 5.11: Comparison Result of Analysis	155



LIST OF FIGURES

Figures	Page
Figure 2.1: Market Share of Global and Malaysian <i>Sukuk</i> Issued, 2002-2011	32
Figure 3.1: Research Framework for the <i>Sukuk</i> Default and Non-Default Firm	71
Figure 4.1: Research Design	80
Figure 4.2: Screen Plot of Eigenvalues	
Figure 5.1: Default and Non-Default <i>Sukuk</i> Firm	133
Figure 5.2: Tree Analysis Toward <i>Sukuk</i> Default and Non-Default Firm Characteristics	135
Figure 5.3: A Tree Analysis Result of Debt to Equity Ratio Toward Default Non-Default <i>Sukuk</i> Firm Characteristics	140
Figure 5.4: A Tree Analysis of Corporate Governance towards Default Non-Default <i>Sukuk</i> Firms Characteristics	145
Figure 5.5: A Tree Anaysis Result of All Independent Variables on Predictability of <i>Sukuk</i> Default Firm Characteristics	153

LIST OF STATUTES

Statutes

Bankruptcy Rules 1969

Islamic Financial Services Act 2013

Law of Malaysia Act 759

Malaysia New Islamic Financial Services Act 2013

Malaysian Code on Corporate Governance or MCCG (Code) 2000-2012

Perlembagaan Persekutuan 1957

Shariah Governance Framework (SGF) 2011

The Company Winding-Up Rules 1972

The Guidelines on the Governance of *Shariah* Committee for the Islamic Financial Institutions 2004

LIST OF ABBREVIATIONS

AAOIFI	Accounting and Auditing Organization for Islamic Financial Institutions
BaIDS	<i>Bai' Bithaman Ajil</i> Islamic Debt Securities
BBA	<i>Bai' Bithaman Ajil</i>
BBA	British Bankers Association
BCSB	Basel Committee on Banking Supervision
BEIM	Business Ethics of Malaysia
BIS	Bank for International Settlements
BNM	Bank Negara Malaysia
CAGR	Compound Annual Growth Rate
CPI	Consumer Production Index
CPI	Corruption Perceptions Index
FSAP	Financial Sector Assessment Program
GCC	Gulf Cooperation Council
iECONS	Islamic Economic System Conference
IFIs	Islamic Financial Institutions
IFIS	The Islamic Finance Information Services
IFN	Islamic Finance News
IFSB	Islamic Financial Services Board
IICMF	International Islamic Capital Market Forum
IIFM	International Islamic Financial Market
LIBOR	London Interbank Offer Rates
MARC	Malaysian Rating Corporation Berhad
MAS	Malaysia Airlines System
MCCG	Malaysian Code on Corporate Governance
MIFC	Malaysian International Islamic Finance Centre
OIC	Organization of Islamic Conference
RAM	Rating Agency Malaysia Berhad
RM	Malaysian Ringgit
SAC	Securities Commission <i>Shariah</i> Advisory Council
SC	The Securities Commission
SGF	<i>Shariah</i> Governance Framework
SPSS	Statistical Package
SPV	Special Purpose Vehicles
UAE	United Arab Emirates
US	United States of America
WEKA	Waikato Environment for Knowledge Analysis
WIEF	World International Economic Forum
GDP	Malaysian Gross Domestic Product
MoF	Ministry of Finance Malaysia