

**CRITICAL SUCCESS MODEL FOR THE  
IMPLEMENTATION OF THE ONLINE TAX  
SYSTEM IN INDONESIA**

**BEKI SUBAEKI**

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CRITICAL SUCCESS MODEL FOR THE IMPLEMENTATION OF  
THE ONLINE TAX SYSTEM IN INDONESIA

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## ABSTRACT

The Indonesian government has introduced a tax reporting system using electronic tax returns (e-SPT) to improve compliance. Despite this, taxpayer awareness remains low, hindered by various issues like technical challenges, lack of tech-savvy skills, concerns over data security, and frequent changes in rules and policies. To address these issues and enhance compliance, the government developed a self-assessment application for tax reporting. The e-SPT system enables taxpayers, whether individuals, companies, or other entities, to complete and submit their tax forms electronically. However, evaluating the success of this system requires a robust model. One such model is the DeLone and McLean 2003 model, which includes six variables: information quality, system quality, service quality, user satisfaction, intention to use, and net benefit. While useful, this model has been criticized for its universal applicability, limited organizational impact, and instability of variables. To address these limitations, researchers developed an enhanced model by incorporating four variables from the DeLone and McLean model: information quality, system quality, service quality, and user satisfaction. Then adding new variables: culture, tax content, trust, and tax system success. These additional variables are derived from the works of Alattas and Kang, Aparicio, Reis and Freitas, Gupta. This refined model serves as a reference for evaluating the effectiveness of the tax reporting system. To test this model, researchers conducted a study focusing on micro, small, and medium enterprises (MSMEs) in West Java. They used a quantitative approach, involving three main steps: a pretest, a pilot study, and a survey. The survey collected data from 394 respondents, and the analysis was performed in two stages: demographic analysis and inferential analysis. The results indicated that out of the fifteen hypothesized paths, nine were positively supported, while six were rejected. The study's contributions are threefold: theoretically, it validates the enhanced model; methodologically, it employs quantitative methods to substantiate the model's validity; and practically, it identifies key factors affecting the performance of the tax reporting system, offering insights into the relationships between dependent and independent variables in this context.

**Keywords:** Tax reporting system, micro small and medium enterprise, DeLone and McLean model, methodology, quantitative method.

## **APPROVAL**

This is to certify that this thesis conforms to acceptable of scholarly presentation and is fully adequate, in quality and scope, for the fulfilment of the requirements for the degree of Doctor of Philosophy.

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This thesis was submitted to Asia e University and is accepted as fulfilment of the requirements for the degree of Doctor of Philosophy.



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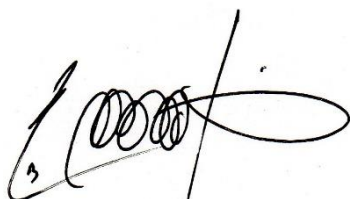
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## **DECLARATION**

I hereby declare that the thesis submitted in fulfilment of the PhD degree is my own work and that all contributions from any other persons or sources are properly and duly cited. I further declare that the material has not been submitted either in whole or in part, for a degree at this or any other university. In making this declaration, I understand and acknowledge any breaches in this declaration constitute academic misconduct, which may result in my expulsion from the programme and/or exclusion from the award of the degree.

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A handwritten signature in black ink, appearing to be 'Beki Subaeki', written in a cursive style with a large loop at the end.

**Signature of Candidate:**

**Date: 11 January 2024**



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## TABLE OF CONTENTS

<b>ABSTRACT</b>	<b>ii</b>
<b>APPROVAL</b>	<b>iii</b>
<b>DECLARATION</b>	<b>iv</b>
<b>ACKNOWLEDGEMENTS</b>	<b>vi</b>
<b>TABLE OF CONTENTS</b>	<b>viii</b>
<b>LIST OF TABLES</b>	<b>viii</b>
<b>LIST OF FIGURES</b>	<b>xvi</b>
<b>LIST OF ABBREVIATION</b>	<b>xviii</b>
<b>CHAPTER 1 INTRODUCTION</b>	<b>1</b>
1.0 Background of Study	1
1.1 Problem Statement	9
1.2 Research Questions	13
1.3 Research Objectives	13
1.4 Scope of the Study	14
1.5 Definition of Terms	16
1.6 Importance of Study	18
1.7 Justification and Significance of the Research	20
1.8 Chapter Summary	22
<b>CHAPTER 2 REVIEW OF LITERATURE</b>	<b>24</b>
2.0 Tax Information System	24
2.1 Key Information System Issues in the Tax Sector	25
2.2 Theoretical Framework	31
2.2.1 The Input-Process-Output IPO Model	31
2.2.2 IS Success Model Theories	32
2.2.3 Evolution of the DeLone and McLean Model	34
2.2.4 DeLone and McLean 2003 Model Variables	37
2.3 Studies on the Antecedents of IS Success	44
2.3.1 Culture	45
2.3.2 Tax Content	51
2.3.3 Trust	55
2.3.4 Tax System Success	58
2.4 Chapter Summary	62
<b>CHAPTER 3 METHODOLOGY</b>	<b>65</b>
3.0 Operational Definition	65
3.1 Conceptual Framework	65
3.1.1 Research Framework	67
3.2 Model Development	68
3.3 Hypothesis Formulation	76
3.3.1 The Relationships between Culture with Tax Content (H1), Information Quality (H2), System Quality (H3), and Service Quality (H4)	77
3.3.2 The Relationships between Tax Content with Information Quality (H5), System Quality (H6), Service Quality (H7)	78

3.3.3	The Relationships between Information Quality and Trust (H8) and User Satisfaction (H9)	79
3.3.4	The Relationships between System Quality and Trust (H10) and User Satisfaction (H11)	80
3.3.5	The Relationships between Service Quality and Trust (H12) and User Satisfaction (H13)	81
3.3.6	The Relationships between Trust and Tax System Success (H14)	82
3.3.7	The Relationships between User Satisfaction and The Tax System Success (H15)	83
3.3.8	Tax System Success	84
3.4	Research Design	85
3.5	Population and Sampling	88
3.6	Sampling Techniques	89
3.7	Data Collection	91
3.8	Measurements	92
3.9	Instrumentation Development	94
3.10	Instrument Development of Dependent and Independent Variables	95
3.10.1	Instrument Development of Culture Variable	95
3.10.2	Instrument Development of Tax Content Variable	97
3.10.3	Instrument Development of Trust Variable	98
3.10.4	Instrument Development of Tax System Success Variable	99
3.10.5	Instrument Development of IS Success Variable	100
3.11	Pretest Instrument (Presurvey)	105
3.12	Pilot Study	107
3.13	Reliability and Validity for Research Quality	107
3.13.1	Reliability Testing	108
3.13.2	Validity Testing	111
3.14	Conclusion for Pretesting and Pilot Study	117
3.15	Data Analysis	117
3.16	Chapter Summary	118
<b>CHAPTER 4</b>	<b>RESULTS AND DISCUSSION</b>	<b>120</b>
4.0	Descriptive Analysis	120
4.1	Description of the Observed Measure	126
4.2	Results of Inferential Analysis Method	129
4.2.1	Factor Analysis	129
4.2.2	Path Analysis	151
4.3	Discussion	156
4.3.1	Implementation Profile for Micro Small and Medium Enterprises in West Java	156
4.4	Transformation of Research Models	169
4.5	Data Interpretation	171
4.5.1	The Relationships of Culture and Tax Content (H1), Information Quality (H2), System Quality (H3), Service Quality (H4)	173
4.5.2	The Relationships of Tax Content and Information Quality (H5), System Quality (H6), Service Quality (H7)	177
4.5.3	The Relationships of Information Quality and Trust (H8), User Satisfaction (H9)	181

4.5.4	The Relationships of System Quality with Trust (H10), and User Satisfaction (H11)	184
4.5.5	The Relationships of Service Quality and Trust (H12) and User Satisfaction (H13)	186
4.5.6	The Relationships of Trust and Tax System Success (H14)	189
4.5.7	The Relationships of User Satisfaction and Tax System Success (H15)	190
4.6	Chapter Summary	192
<b>CHAPTER 5 CONCLUSION, IMPLICATION AND RECOMMENDATIONS</b>		<b>195</b>
5.0	Research Summary	195
5.1	The Final Model	195
5.2	Basic Assumptions	197
5.3	Characteristics of the Final Model	197
5.4	The Overall Presentation of the Influential Relationships	198
5.4.1	The Relationships of Culture and Tax Content, Information Quality, System Quality, Service Quality	199
5.4.2	The Relationships between Tax Content and Information Quality, System Quality, and Service Quality	199
5.4.3	Relationships between Information Quality and the Trust and User Satisfaction	200
5.4.4	Relationships between System Quality and Trust, User Satisfaction	201
5.4.5	Relationships between Service Quality and Trust and User Satisfaction	201
5.4.6	Relationships between Trust and the Tax System Success	202
5.4.7	The Relationships between User Satisfaction and the Tax System Success	203
5.5	Contributions and Implications	203
5.5.1	Theoretical Contributions and Implications	203
5.5.2	Methodological Contributions and Implications	205
5.5.3	Practical Contributions and Implications	206
5.6	Limitations and Suggestions for Future Research	207
5.7	Chapter Summary	208
<b>REFERENCES</b>		<b>210</b>
<b>APPENDICES</b>		<b>224</b>
Appendix A Survey Guidance (Questionnaire)		224
Appendix B Survey Questionnaires		225
Appendix C 1 <sup>st</sup> Pretest Result		233
2 <sup>nd</sup> Pretest Result		234
Appendix D Pilot Study Result		235
Appendix E Survey Study Result - Respondent Profile		236
Appendix F Survey Study Result		243
Appendix G Survey Data		245

## LIST OF TABLES

<b>Table</b>		<b>Page</b>
2.1	Some representative definitions of IS success	32
2.2	Studies on adoption of culture in 2014, 2015, 2016	50
2.3	Studies on the adoption of tax content in 2014, 2015, 2017	54
2.4	Studies on adoption of trust in 2014, 2015, 2016, 2017	58
2.5	Studies on adoption of tax system success in 2015 and 2016	61
3.1	List of the operational variables and definitions	65
3.2	Definitions of culture indicators	77
3.3	Definitions of tax content indicators	79
3.4	Definitions of information quality indicators	80
3.5	Definitions of system quality indicators	81
3.6	Definitions of service quality indicators	82
3.7	Definitions of trust indicators	83
3.8	Definitions of user satisfaction indicators	84
3.9	Definitions of tax system success indicators	84
3.10	Structure of questionnaire	93
3.11	Measurement scales	93
3.12	Operationalization of measuring instruments for culture	96
3.13	Operationalization of measuring instruments for tax content	98
3.14	Operationalization of measuring instruments for trust	99
3.15	Operationalization of measuring instruments for tax system success	100
3.16	Operationalization of measuring instruments for information quality	102
3.17	Operationalization of measuring instruments for system quality	103
3.18	Operationalization of measuring instruments for service quality	104

3.19	Operationalization of measuring instrument for user satisfaction	105
3.20	Presurvey assessment results	106
3.21	Cronbach Alpha scale	109
3.22	Case processing summary	110
3.23	Reliability statistics	110
3.24	Item-total statistics	110
3.25	Distribution of r values 5% and 1%	112
3.26	Validity testing results	114
3.27	Summary of variables and questions	117
4.1	Number of regencies and cities of West Java Province	121
4.2	Percentage of respondent results base of city / district	121
4.3	Number of percentages base of gender	123
4.4	Total percentage of respondents by age	123
4.5	Descriptions of the observed measure	128
4.6	KMO and Bartlett test for culture variable	131
4.7	KMO and Bartlett test for tax content variable	131
4.8	KMO and Bartlett test for information quality variable	131
4.9	KMO and Bartlett test for system quality variable	131
4.10	KMO and Bartlett test for service quality	131
4.11	KMO and Bartlett test for trust variable	132
4.12	KMO and Bartlett test for user satisfaction variable	132
4.13	KMO and Bartlett test for tax system success variable	132
4.14	Anti-image matrix for culture variable	133
4.15	Anti-image matrix for tax content variable	134
4.16	Anti-image matrix for information quality variable	134

4.17	Anti-image matrix for system quality variable	134
4.18	Anti-image matrix for service quality variable	135
4.19	Anti-image matrix for trust variable	135
4.20	Anti-image matrix for user satisfaction variable	135
4.21	Anti-image matrix for tax system success variable	136
4.22	Communality for culture variable	137
4.23	Communality for tax content variable	137
4.24	Communality for information quality variable	138
4.25	Communality for system quality variable	138
4.26	Communality for service quality variable	138
4.27	Communality for trust variable	138
4.28	Communality for user satisfaction variable	138
4.29	Communality for tax system success variable	138
4.30	Total variance explained for culture variable	141
4.31	Total variance explained for tax content variable	141
4.32	Total variance explained for information quality variable	141
4.33	Total variance explained for system quality variable	141
4.34	Total variance explained for service quality variable	142
4.35	Total variance explained for trust variable	142
4.36	Total variance explained for user satisfaction variable	142
4.37	Total variance explained for tax system success variable	142
4.38	Component matrix for culture variable	148
4.39	Component matrix for tax content variable	148
4.40	Component matrix for information quality variable	148
4.41	Component matrix for system quality variable	148

4.42	Component matrix for service quality	148
4.43	Component matrix for trust matrix	149
4.44	Component matrix for user satisfaction variable	149
4.45	Component matrix for tax system success variable	149
4.46	Direct effects of variables	154
4.47	Indirect effects of variables	155
4.48	Results of culture variable descriptive statistics at micro small and medium enterprises in West Java, Indonesia	158
4.49	Results of tax content variable descriptive statistics at micro small and medium enterprises	160
4.50	Results of information quality variable descriptive statistics at micro small and medium enterprises	162
4.51	Results of system quality variable descriptive statistics at micro small and medium enterprises	163
4.52	Results of service quality variable descriptive statistics at micro small and medium enterprises	164
4.53	Results of trust variable descriptive statistics at micro small and medium enterprises	166
4.54	Results of user satisfaction variable descriptive statistics at micro small and medium enterprises	167
4.55	Results of tax system success variable descriptive statistics at micro small and medium enterprises	168
4.56	Detailed selected parameters for each variable in the proposed successful model	171

4.57	Direct effects in relationships of culture and tax content, information quality, system quality, service quality	174
4.58	Direct effects in relationships of tax content and information quality, system quality, service quality	178
4.59	Direct effects in relationships of information quality and trust, user satisfaction	182
4.60	Direct effects in relationships of system quality and trust, user satisfaction	185
4.61	Direct effects in relationships of service quality and trust, user satisfaction	187
4.62	Direct effects in relationships of trust and tax system success	190
4.63	Direct effects in relationships of user satisfaction and tax system success	191



## LIST OF FIGURES

<b>Figure</b>	<b>Page</b>
2.1 Tax revenue from 2012 to 2017	30
2.2 DeLone and McLean model of IS success (1992)	34
2.3 Seddon and Kiew model of user satisfaction (1994)	35
2.4 IS success sub model Seddon (1997)	35
2.5 DeLone and McLean model of IS success (2003)	36
3.1 Relationships between independent and dependent variables	67
3.2 Research framework	68
3.3 Model development process	71
3.4 Proposed model	76
3.5 Hypothesis formulation	76
3.6 Research design	87
3.7 Multistage techniques samples	90
3.8 Data analysis stage	118
4.1 Distribution of mapping the number of respondents by region	122
4.2 Number of respondents by gender	122
4.3 Number of respondents by age	123
4.4 Total percentage of respondents by education level	124
4.5 Total percentage based on job level	124
4.6 Total percentage based on years of work	125
4.7 Total percentage of system usage time	126
4.8 Proposed model	127
4.9 Scree plot for culture variable	144
4.10 Scree plot for tax content variable	144

4.11	Scree plot for information quality	144
4.12	Scree plot for system quality variable	145
4.13	Scree plot for service quality variable	145
4.14	Scree plot for trust variable	145
4.15	Scree plot for user satisfaction variable	146
4.16	Scree plot for tax system success	146
4.17	Summary results of factor analysis from eight variables	150
4.18	Results of structural equation modeling	152
4.19	Selected elements for each variable in the proposed successful model	170
4.20	The relationships of culture and tax content, information quality, system quality, service quality	174
4.21	The relationships of tax content and information quality, system quality, service quality	178
4.22	The relationships of information quality and trust, user satisfaction	181
4.23	The relationships of system quality and trust, user satisfaction	184
4.24	The relationships of service quality and trust, user satisfaction	187
4.25	The relationships of trust and tax system success	189
4.26	The relationships of user satisfaction and tax system success	191
5.1	Final model measurement of the tax reporting system	196

## LIST OF ABBREVIATION

AeU	Asia e University
AMOS	Analysis Moment of Structural
CLT	Culture
DJP	Direktorat Jenderal Pajak
eSPT	Elektronik Surat Pemberitahuan Tahunan
INQ	Information Quality
IS	Information System
MSME	Micro Small Medium Enterprise
SEM	Structural Equation Modeling
SPSS	Statistical Product and Service Solutions
SPT	Surat Pemberitahuan Tahunan
SVQ	Service Quality
SYQ	System Quality
TAM	Technology Acceptance Model
TRS	Trust
TSS	Tax System Success
TXC	Tax Content
USF	User Satisfaction

# CHAPTER 1

## INTRODUCTION

### **1.0 Background of Study**

In the era of globalization and information technology advances, information systems have become one of the main pillars in managing data and business processes in various organizations, including administration taxation. Information systems, which consist of various elements such as people, hard devices, device software, tissue, and procedures, have vital roles in collecting, storing, processing, analyzing, and disseminating tax related data. In context taxation, information systems Facilitate correct and assured decisions and accurate tax reporting by managing tax-related information, such as income and ownership data property.

Along with the development of information technology, the tax reporting system has experienced a significant transformation to become an online form. Adopting a tax reporting system is a response to the dynamics of information technology, which aims to increase efficiency, affordability, and transparency in tax management and give taxpayers convenient access to implement their obligations. Integration between information systems and tax reporting systems makes it possible for more tax data management to be structured and real-time, ultimately improving tax compliance and effective administration of taxation comprehensively.

In the Indonesian context, it is related to the environment, policies and practices of tax administration. An in-depth understanding of the variables that influence the successful implementation of the tax reporting system is crucial. This research aims to explore a deeper understanding of these variables through the development of a model that summarizes the results of adoption, adaptation and combination in the dynamics of the success of the tax reporting system. This step was taken to explore the extent to

which the variables resulting from adoption, adaptation and combination can be integrated and have a positive impact on the success of implementing the tax reporting system in Indonesia.

Apart from technical aspects, the successful implementation of the tax reporting system also depends greatly on the involvement of the whole society and the private sector in supporting and adapting this change. Hence, the adoption, adaptation, and combination models will become key in designing supportive policies for the development of online taxation in the future. Thus, it is hoped that the results of this research will not only provide a deep view of the variables that influence the success of the tax reporting system but also provide a solid foundation for future development policies and implementation strategies.

In implementing the tax reporting system in Indonesia, the main users are taxpayers, who are included in business micro, small, and medium enterprises (MSMEs). Micro small and medium enterprises (MSMEs), and possibly users experience difficulties using the tax reporting system. First is the low level of technology adoption by micro, small, and medium sized (MSMEs). Acceptance and use of the tax reporting system are possibly hampered by incomprehension, discomfort, or lack of readiness in society for technological change. This is proven when the level of tax compliance has decreased drastically. This can be seen from the 2017 data, which shows that the tax compliance level was 72.16 %. Then, in 2019, the level of tax compliance was only 67.4% (Directorate General of Taxation, 2019).

According to Aryati (2016), a decreased level of compliance among taxpayers can be influenced by two main things: understanding taxpayers and service quality from institutions related to tax collection. Level of understanding taxpayers refers to the extent of their understanding of obligation taxation, including rules, procedures,

and consequences from action towards the fulfillment of tax obligations. Service quality from institutional taxation also has an important role in reducing taxpayers obedience levels. If the tax process runs smoothly, transparently, and efficiently, taxpayers will feel more motivated to pay taxes appropriately, on time, and correctly. Good quality service can be reflected in various ways, like responsiveness to questions and needs of taxpayers, ease in the tax payment process, fair handling of complaints, and provision of adequate assistance and guidance for taxpayers. Second, incongruity policy taxation. The policy taxation not yet fully supporting the implementation of the tax reporting system can be an obstacle. Adjustments lacking clear policies or less support can reduce this system effectiveness and acceptability. Third, difficulties in adaptation policy are related to adjustment policy taxation with the development of new technology. A policy that is not yet capable respond the dynamics of information technology can hinder the smooth implementation of the tax reporting system. Fourth, there is a lack of data security, as data is critical in implementing the tax reporting system. Problem data security can create distrust among taxpayers, hinder adoption, and threaten the integrity of information contained in the system. Fifth, level response low society. Response society towards these changes also becomes attention. Incomprehension or lack of support from society can hinder its success in the tax reporting system because participation in the public becomes key in this process. Sixth, technological readiness is uneven. The unequal availability and technology readiness in various regions of Indonesia can create gaps in implementing the tax reporting system. This can hinder the accessibility and sustainability of implementation across the country.

Studies about influencing variables successful implementation of the tax reporting system in Indonesia with the development of adoption, adaptation, and

combination model justification and relevance are very important in context development administration taxation. The following are several points of justification and relevance to this research:

Support transformation modern taxation. This research contributes to understanding and designing a tax reporting system that is adaptive and responsive to dynamic changes in information technology. This is a supportive effort to transform Indonesian taxation towards sustainability and efficiency.

It increased taxpayer participation by identifying variables influencing taxpayers technology adoption. This research can potentially increase participation in society in fulfilling obligation taxation. Understanding needs and barriers can shape strategies to increase engagement with taxpayers.

Optimization policy taxation. This research provides an outlook on how policy Taxation can be adapted and harmonized with technological developments. The resulting recommendations may help the government design and optimize policy-supportive taxation implementation in the online system. Improve data security, identify problems with data security, and propose a solution that can provide a guide to strengthen security in the tax reporting system. This becomes relevant. Remember worries will confidentiality and integrity of data disclosed by the public.

Provide the basis for public policy. The results of this research can become the basis for the government decision-making in formulating more effective taxation according to the needs of the public. It supports the objective government in increasing state revenues and services taxation.

Facilitate innovation in tax administration. Understanding the combination of influencing variables and the success of the tax reporting system can open the door to

innovation in administration taxation. This aligns with the spirit to continue adapting to technological developments and the demands of the public.

This research is expected to contribute to the academic literature by enriching the understanding of variables and facilitating the successful implementation of a tax reporting system. This is supportive of development theories and concepts related to administration taxation.

Through this justification and relevance, this research has a significant impact in guiding the development of online taxation in Indonesia, with detailed variables necessary to be noticed and developed to achieve optimal success.

Investments made by the Directorate General of Taxes are related to implementing a tax reporting system. However, they are not necessarily reasonable for the organization needs (Ihsan & Iskandar, 2018). The failure and success of information systems are usually influenced by several variables, depending on the point of view of how they are assessed. In other words, to judge the success of the information system, it is necessary to be multidimensional, not just talk problem construct but multicriteria (Joosten et al., 2016).

Several researchers debate whether the success of the information system can be said to be successful or not. Researchers are still debating the six components of assessment. First is the definition of a successful existing information system debated (Joslin & Müller, 2015; Todorović et al., 2015). The second is the failure to implement information systems (Almajed & Mayhew, 2014). Third is no agreement determination criteria in measuring success information Systems (Joslin & Müller, 2016; Todorović et al., 2015). Fourth is the use of partial dimensions in measurement success (Petter et al., 2008). Fifth is the importance of perspective holders in