

Table of Content

Title Page.....	1
Pernyataan Bebas Plagiasi	2
Abstract.....	3
Intisari	4
List of Tables.....	8
List of Figures	9
1.0 Introduction	10
1.1 Background.....	10
1.2 Problem Statement	12
1.3 Research Objectives	13
1.4 Contribution of Research.....	13
2.0 Literature Review	14
2.1 Literature Review on Practical Terms.....	14
2.1.1 Trust	14
2.1.2 Brand Trust.....	15
2.1.3 Trust in Information Technology (IT).....	16
2.1.4 Cryptographic Trust.....	19
2.2 Literature Review on Scientific Terms	22
2.2.1 Blockchain	22
Figure 2. 1 Evolution of ledgers.....	23
2.2.2 Public Blockchains (Permissionless)	24
2.2.3 Private Blockchains (Permissioned).....	24
2.2.4 Consortium Blockchains.....	24
2.2.5 Blockchain protocols	25



2.2.6	Blockchain applications.....	25
2.2.7	Smart contracts.....	25
2.2.8	Oracles	26
2.2.9	Trust in the context of blockchain	27
Figure 2. 2	Before and after blockchain implementation.....	30
2.3	Hypothetical framework.....	32
Figure 2. 3	Hypothetical Framework.....	32
3.0	Methodology.....	33
3.1	Research Design.....	33
3.2	Sampling Design	34
3.3	Data Collection Methods	34
3.4	Operational Definition.....	35
Table 3. 1	Operational definition.....	37
Table 3. 2	Independent and dependent variables.....	38
3.5	Instrument Testing	39
3.5.1	Reliability and Validity Testing.....	39
3.6	Data Analysis	39
3.6.1	Hypothesis Testing.....	39
3.6.2	Normality Testing	40
Figure 3. 1	Hypothetis Testing.....	40
3.6.3	Goodness of Fit Model	40
3.6.4	Multicollinearity.....	40
4.0	Findings and Discussion.....	41
4.1	Respondent Characteristics	41
Table 4. 1	Respondent sample.....	42
4.2	Reliability and Validity Testing.....	42



Table 4. 2 Reliability testing	42
Table 4. 3 Item total statistics	43
4.3 Normality Test Results	43
Table 4. 4 Normality results.....	43
4.4 Multicollinearity Test Results	44
Table 4. 5 Multicollinearity results	44
4.5 Goodness of Fit Model	44
Table 4. 6 Goodness of fit results	44
4.6 Hypothesis Testing.....	45
Table 4. 7 Hypothesis testing results.....	45
4.7 Discussion.....	48
4.7.1 The Autonomous feature of a blockchain has a significantly positive effect on Trust.....	48
4.7.2 The Transparency feature of a blockchain has a significantly positive effect on Trust.....	48
4.7.3 The Immutability feature of a blockchain has a significantly positive effect on Trust.....	49
4.7.4 The Security feature of a blockchain has a significantly positive effect on Trust	49
Figure 4. 1 Hypothetical framework results.....	50
5.0 Conclusion and Suggestions	51
5.1 Conclusion	51
5.2 Managerial Implications.....	52
5.3 Limitations.....	53
5.4 Suggestions for future research	54
6.0 References	55
7.0 Appendix	59