Longitudinal Analysis of Smart City Development in Jakarta Based on Boyd Cohen's Smart City Wheel
(2018â€“2024)
ADINDA SAFIRATUL AFIFAH, Alvi Syahrina, S.T., M.Sc.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

TABLE OF CONTENTS

COVER PAGE **i**
TABLE OF CONTENTS **ii**
LIST OF TABLES **i4**
LIST OF FIGURES **v**
ABSTRACT **vi**

CHAPTER 1 INTRODUCTION ***1***
1.1 Background 1
1.2 Research question 3
1.3 Research Objectives 3
1.4 Potential Contribution 4

CHAPTER 2 LITERATURE REVIEW ***6***
2.1 Smart City Concept 6
2.2 Smart City Wheel (Boyd Cohen) 7
2.3 Dimensions of the Smart City Wheels 7
2.3.1 Smart Economy 7
2.3.2 Smart Mobility 8
2.3.3 Smart Environment 8
2.3.4 Smart People 8
2.3.5 Smart Living 9
2.3.6 Smart Governance 9
2.4 Previous Research 9
2.5 Framework 10

CHAPTER 3 METHODOLOGY ***13***
3.1 Research Design 13
3.2 Conceptual Definition 14
3.3 Operational Definitions 15
3.4 Data Collecting Techniques 17
3.5 Sampling Technique 20
3.6 Data Analysis Technique 20
3.7 Data Analysis and Interpretation 23

Longitudinal Analysis of Smart City Development in Jakarta Based on Boyd Cohen's Smart City Wheel
(2018â€“2024)
ADINDA SAFIRATUL AFIFAH, Alvi Syahrina, S.T., M.Sc.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

CHAPTER 4 DISCUSSIONS AND ANALYSIS ***24***
4.1 Finding 24
4.1.1 Data Preparation 24
4.1.2 Data Normalization 25
4.1.3 Smart Indicators 27
4.1.4 Smart City Index (SCI) of Jakarta 34
4.2 Discussion 35
4.2.1 Unbalanced Wheel 35
4.2.2 Post-Pandemic Resilience 36
4.2.3 Alignment with RPJMD/RPD 38
4.3 Analytical Conclusion 39

CHAPTER 5 CONCLUSION AND RECOMMENDATIONS ***41***
5.1 Conclusion 41
5.2 Recommendations 43
5.3 Limitations of the Study 44

BIBLIOGRAPHY **46**