

Table of Contents

Cover.....	i
Endorsement	ii
Approval Page	iii
Statement of Authenticity	iv
Acknowledgements.....	v
Abstract	vii
<i>Intisari</i>	viii
Chapter I: Introduction	1
A. Underlying Background	1
B. Research Questions	6
C. Objectives of the Research	7
D. Originality of the Research	7
E. Benefits of the Research.....	8
Chapter II: Theoretical Review	10
1. Definition of Big Data.....	10
2. How Big Data is processed.....	13
3. Brief History of Big Data	14
4. Sources of Big Data	17
5. Relation of Big Data With Other Technology.....	20
6. Emerging Legal Issues With The Current State of Big Data	24
Chapter III: Research Method	27
Chapter IV: Findings and Analysis	30
A. Understanding the Urgency of Big Data to be Regulated	30
1. The Importance of Big Data For Companies.....	30
2. How Big Data is Used To Improve Performance of Companies	32
a. Handle and Manage Enormous Amount of Data	33
b. From Analyzing Data to Enhance Decision Making	36
c. By Utilizing Big Data, Companies Gain Economic Advantage	46

B. How Significance of Big Data May Pose Legal Risk in Relation with Companies in Indonesia	47
1. Issues and Challenges in Relation to Big Data.....	48
a. Big Data with Data Protection Issues	48
b. Big Data Work Along with Other Technologies	53
c. Other Potential Legal Issues	53
d. Providing Blanket Regulation Under Data Protection Law	56
2. Analysis of Indonesia's Current Regulatory Framework	56
a. Ministry of Communication and Informatics Regulation No. 20/2016 on Protection of Private Data in Electronic System	57
b. Financial Service Authority Regulation No. 13/2018 on Digital Financial innovation.	59
c. Indonesia's New Data Protection Bill.....	60
C. Understanding EU General Data Protection Regulation	61
1. Historical Overview and Formulation.....	62
2. Implementation Overview	64
3. Technical Aim	65
4. Lesson Learned from GDPR	67
a. The Drafting Process Made Through Collaboration and Involvement of Many Parties	67
b. Comprehensive and Practical Provision	68
c. Strong Enforcement and Penalty to Ensure Proper Enforcement ..	57
5. Possible Approach for Indonesia' Future Data Protection Law	67
Chapter V: Closure	75
A. Conclusion.....	75
B. Recommendation.....	77
Bibliography	79