Outline

1. Introduction
   Background, Problem Statement, Research Questions

2. Methodology
   Data Collecting, Analysis Method

3. Analysis & Results
   → Evaluation of Logistics Digitalization Usage
   → The Regulation Mapping Regarding Logistics Digitalization

4. Conclusion & Recommendation
INTRODUCTION
Background

1. Revolution of Industry 4.0
   *Benefit and Challenge*

2. Lack of Regulation Regarding Logistics Digitalization

3. Lack of Information Regarding Logistics Applications

The Regulation Mapping of Logistics Digitalization in Facing Industry 4.0
Problem Statement

Lack of Logistics Application Usage by Logistics Service Providers

Research Questions

1. Have Logistics Service Providers used the logistics application?
2. What are benefits the logistics application for Logistics Service providers?
3. How regulation mapping concerning logistics digitalization?
METHODOLOGY
Methodology

Data Collecting
- Questionnaire
- Focus Group Discussion
- Desk Study

Respondent
- Logistics Service Provider
- Regulator
- Transport Operator

Analysis
- Descriptive Analysis
ANALYSIS AND RESULTS
Evaluation of Logistics Digitalization Usage

Known of Logistics Application

- Yes: 54.00%
- No: 42.00%

Usage of Logistics Application

- Always: 42.00%
- Usually: 44.00%
- Sometimes: 46.00%
- Rarely: 48.00%
- Never: 50.00%
Evaluation of Logistics Digitalization Usage

Benefit of Logistics Application

- Making Payment Faster
- Making Delivery Faster
- Getting Customer Easier

The Regulation Mapping of Logistics Digitalization in Facing Industry 4.0
The Regulation Mapping Regarding Logistics Digitalization

Sea Transport Law
Contract and Loading Document (Paper Based)

Civil Aviation Law
Contract and Loading Document (Paper Based)

Railway Law
Contract and Loading Document (Paper Based)

Road Traffic & Transport Law
Contract and Loading Document (Paper Based)
UU 11/2008

Electronic Information

Electronic Document

Electronic Transaction

Electronic Contract

The Regulation Mapping of Logistics Digitalization in Facing Industry 4.0
Not many logistics service provider run logistics applications

Benefit of Logistics Apps are Getting customer EASIER, Getting payment FASTER, Making delivery time FASTER

The regulation do not accommodate yet the logistics digitalization

It needs to amend existing regulation

Conclusion

Recommendation

The Regulation Mapping of Logistics Digitalization in Facing Industry 4.0
Thank You

Puslitbang Transportasi Antarmoda
Badan Litbang Perhubungan
Kementerian Perhubungan

You can’t against the New ERA, but you can collaborate with