The Regulation Mapping of Logistics Digitalization In Facing Industry 4.0

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Jakarta - April 24, 2019

Outline

1

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

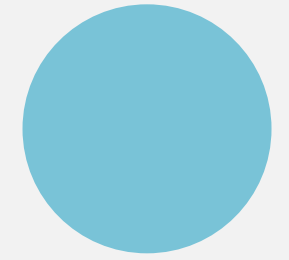**1** Have Logistics Service Providers used the logistics application ?
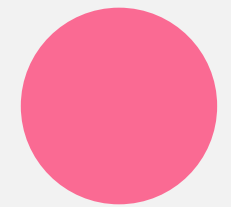
2 What are benefits the logistics application for Logistics Service providers ?

3 How regulation mapping concerning logistics digitalization ?

2

METHODOLOGY

Methodology

Data Collecting

- → Questionnaire
- → Focus Group Discussion
- → Desk Study

Respondent

- → Logistics Service Provider
- → Regulator
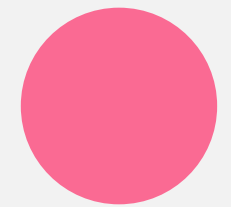- → Transport Operator

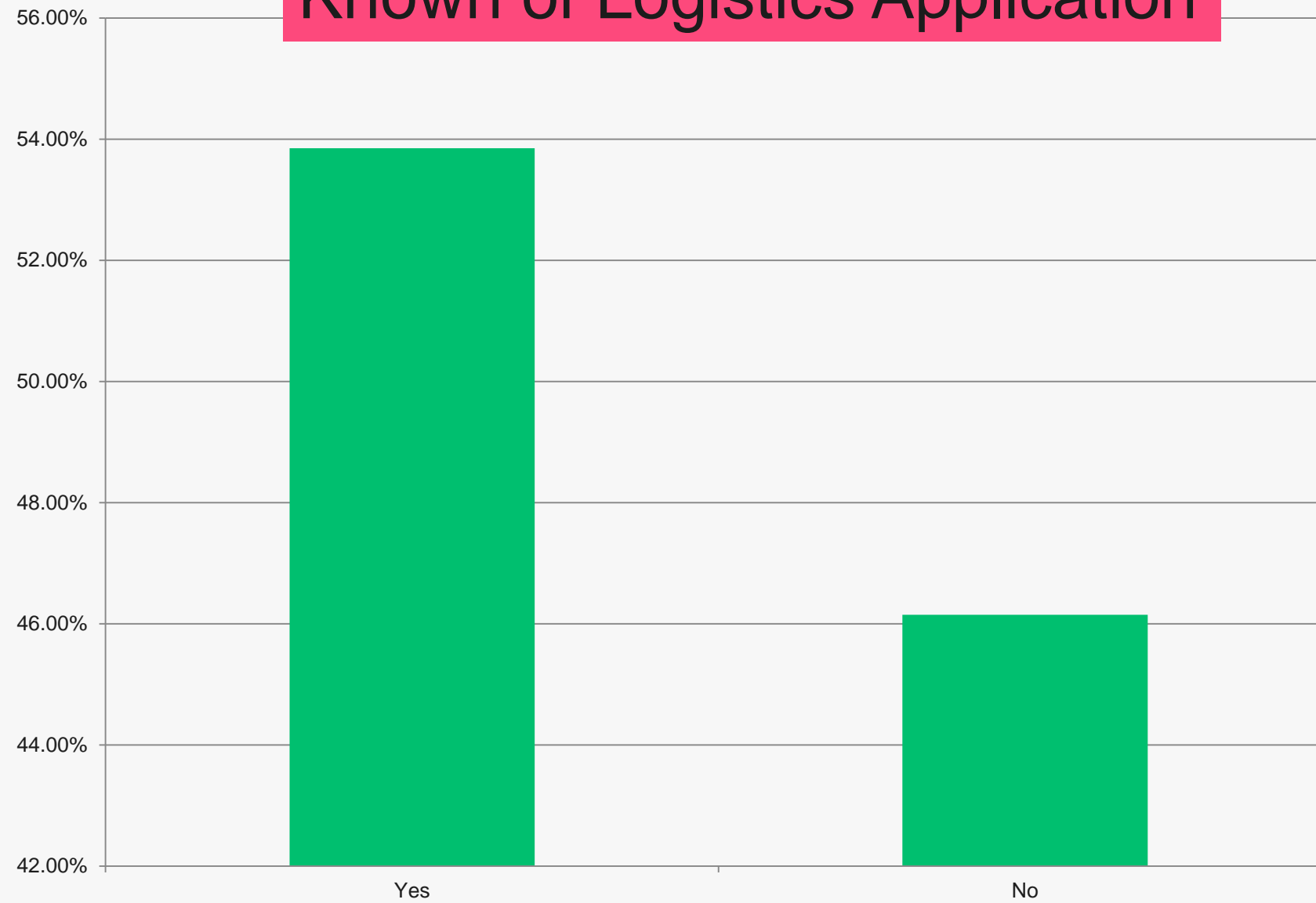**Analysis**

- → Descriptive Analysis
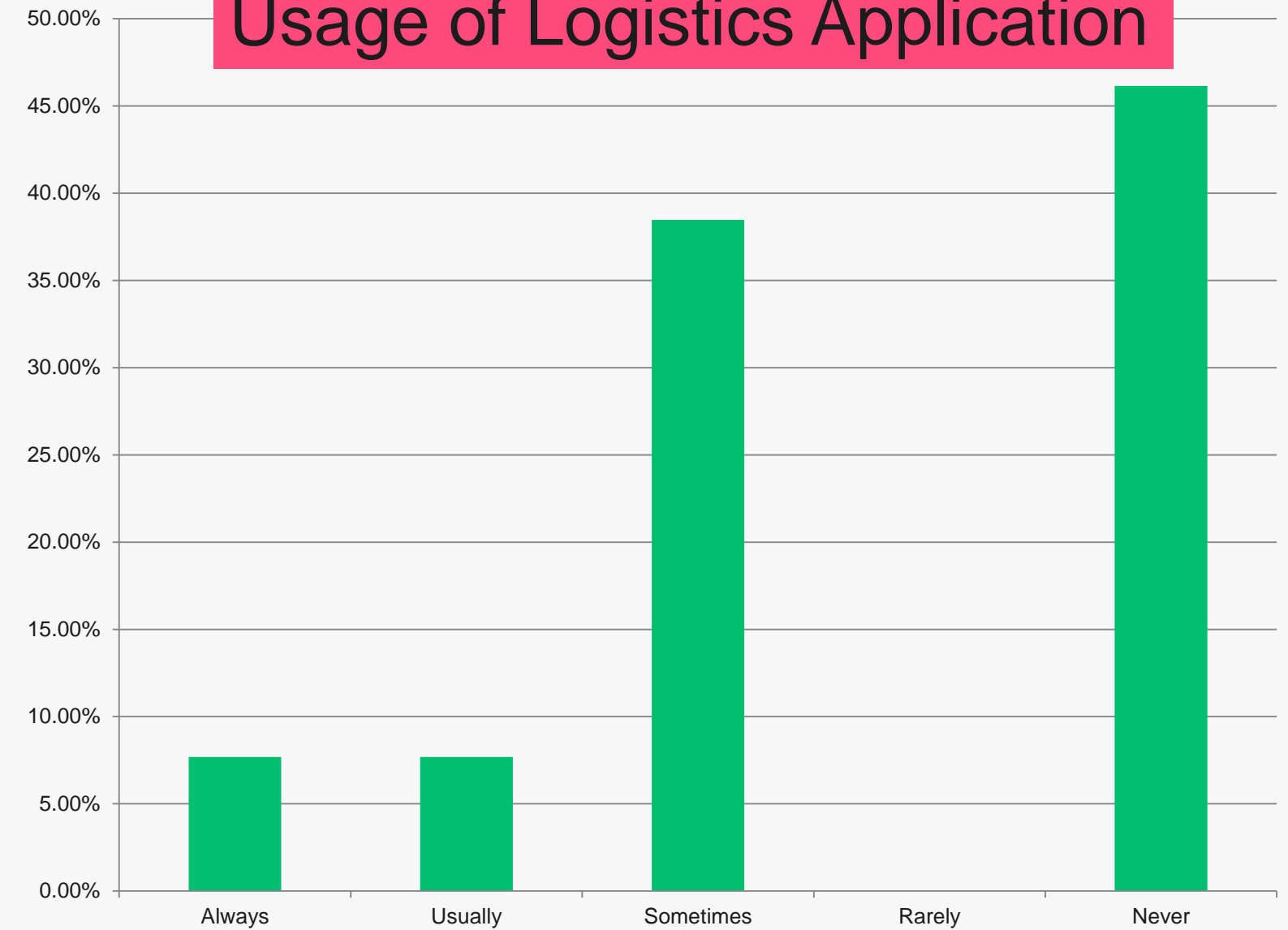
3

ANALYSIS AND RESULTS

Evaluation of Logistics Digitalization Usage

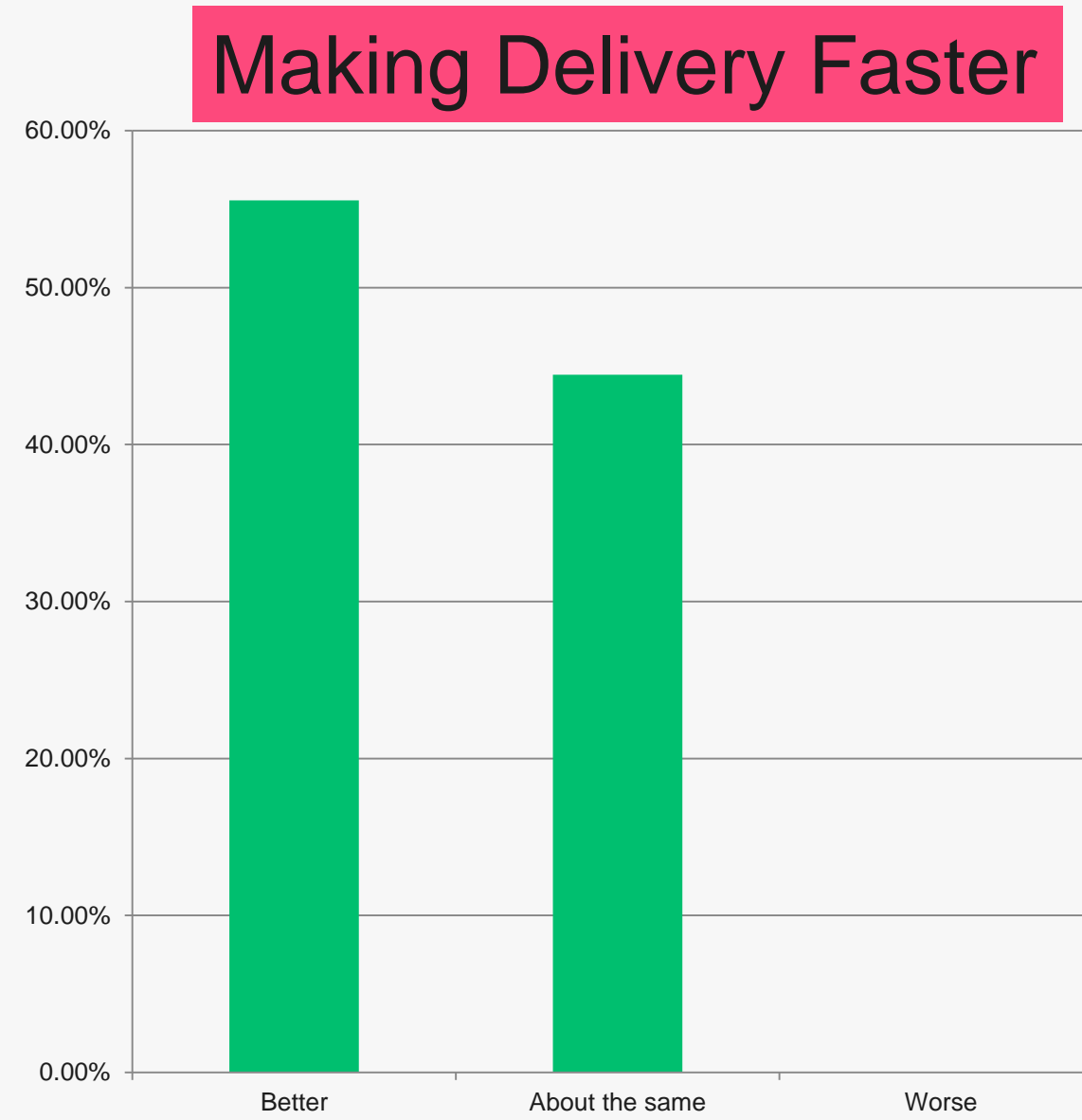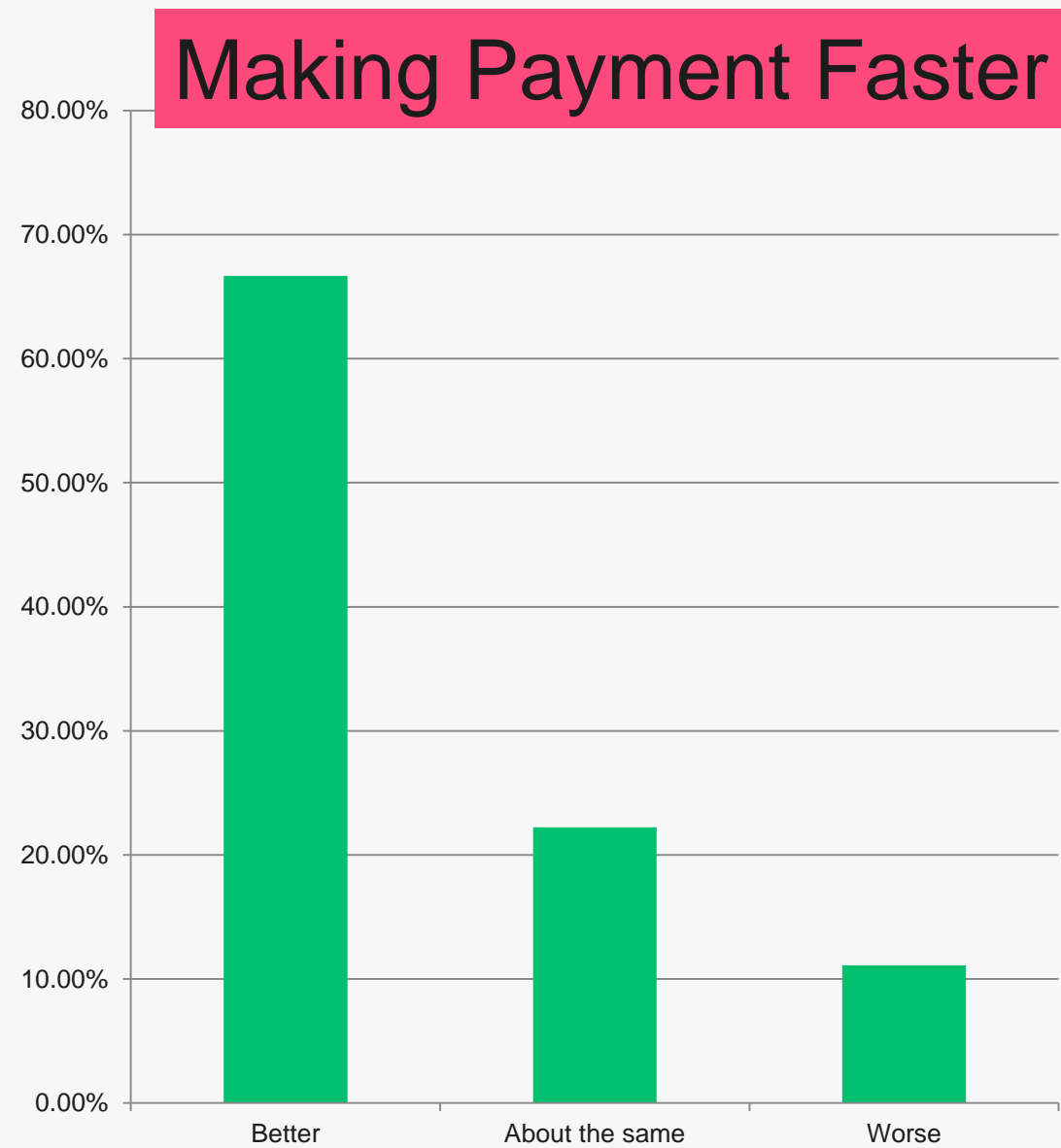**Known of Logistics Application**

Usage of Logistics Application

Evaluation of Logistics Digitalization Usage

Benefit of Logistics Application

Making Payment Faster

	Better	About the same	Worse

80.00%
70.00%
60.00%
50.00%
40.00%
30.00%
20.00%
10.00%
0.00%

Making Delivery Faster

60.00%
50.00%
40.00%
30.00%
20.00%
10.00%
0.00%

Better | About the same | Worse

Getting Customer Easier

90.00%
80.00%
70.00%
60.00%
50.00%
40.00%
30.00%
20.00%
10.00%
0.00%

Better | About the same | Worse

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)

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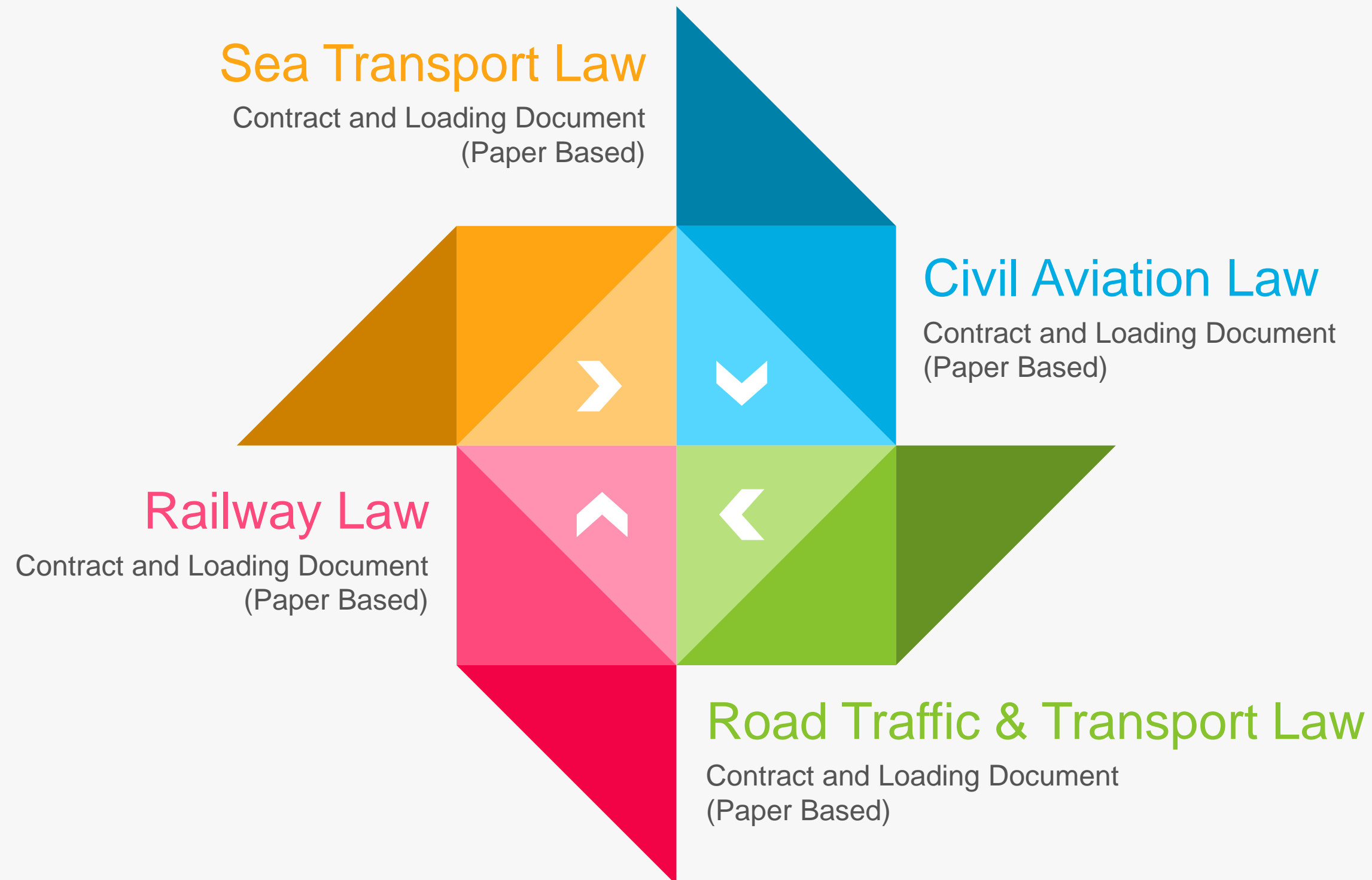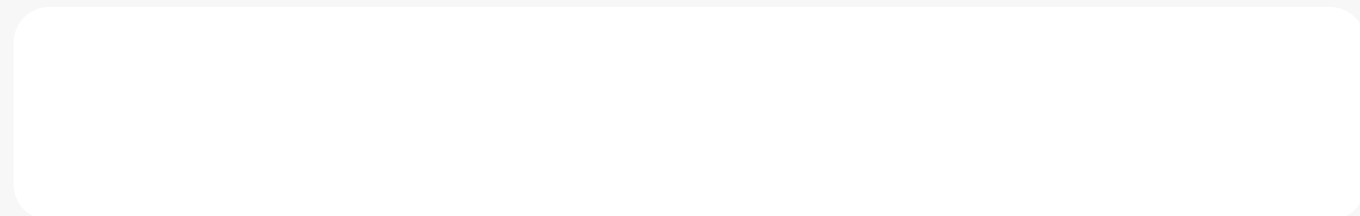
Electronic Transaction & Information Law

UU 11/2008

Electronic Information
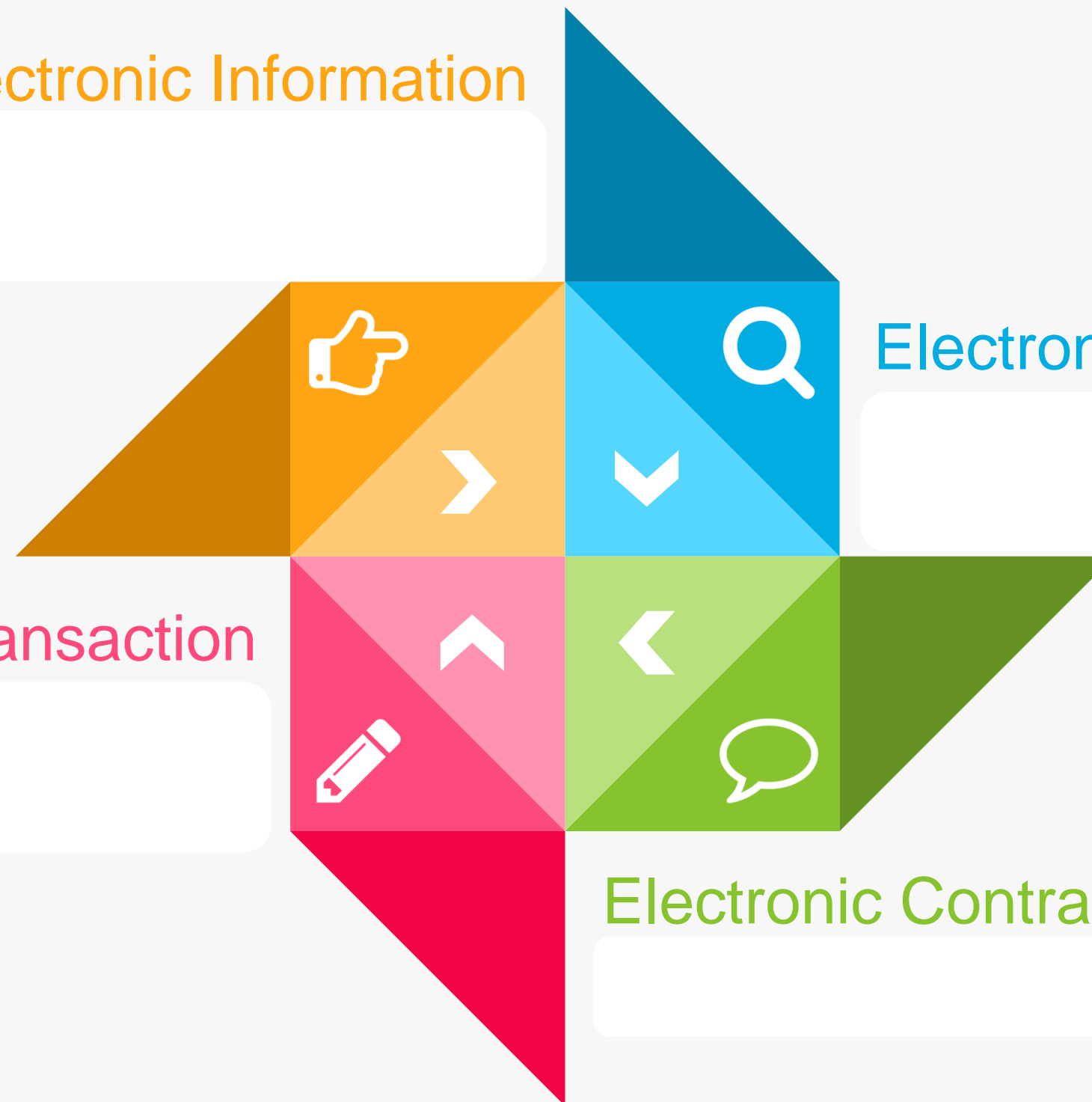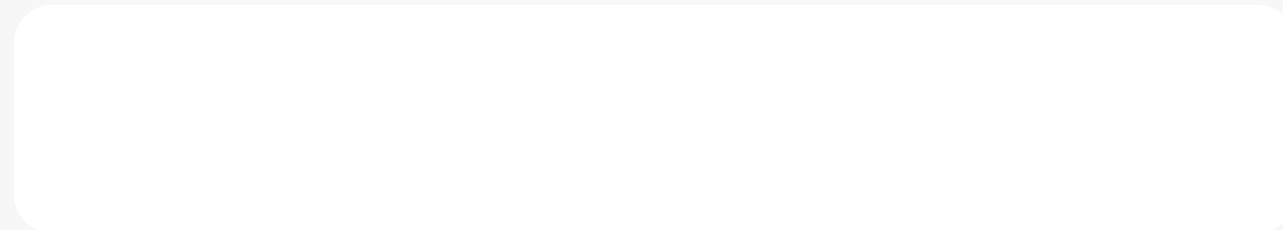
Electronic Document

Electronic Transaction

Electronic Contract

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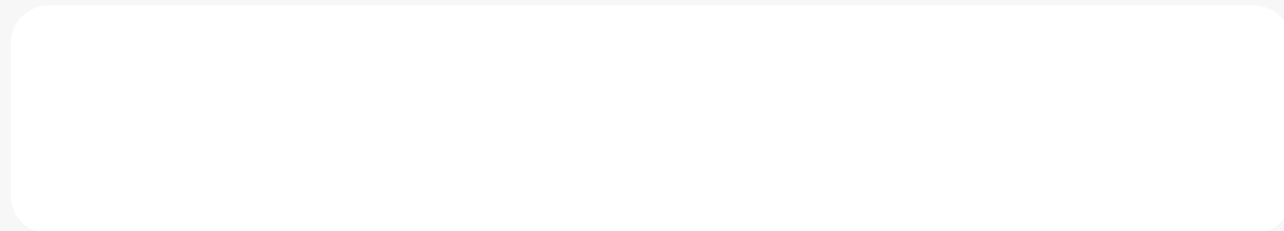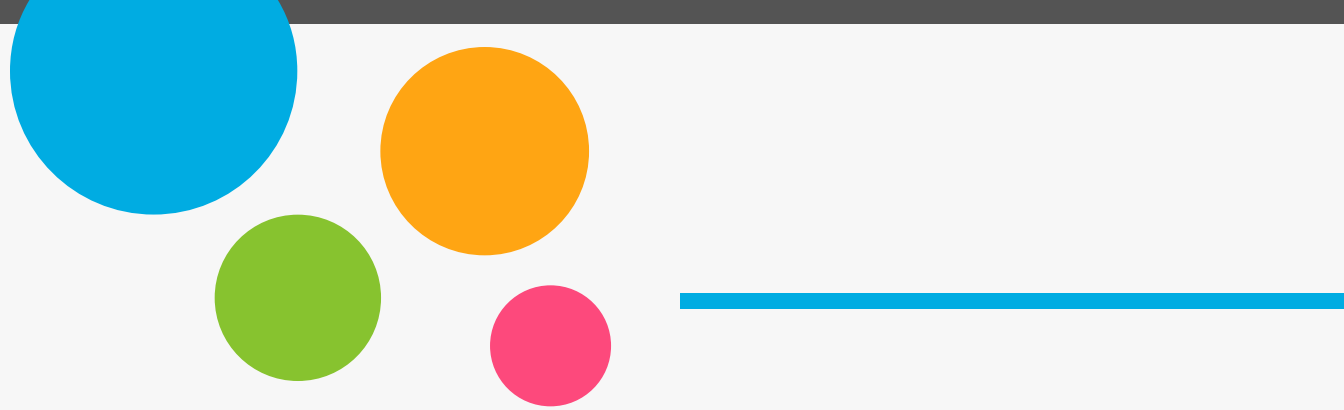
Conclusion

Not many logistics service provider run logistics applications

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

Recommendation

The regulation do not accommodate yet the logistics digitalization

It needs to amenmend existing regulation

Thank You

Puslitbang Transportasi Antarmoda

Badan Litbang Perhubungan

Kementerian Perhubungan

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