

## TABLE OF CONTENT

<b>APPROVAL PAGE</b> .....	<b>i</b>
<b>ORIGINALITY STATEMENT SHEET</b> .....	<b>ii</b>
<b>PREFACE</b> .....	<b>iii</b>
<b>ABSTRAK</b> .....	<b>v</b>
<b>ABSTRACT</b> .....	<b>vi</b>
<b>LIST OF TABLES</b> .....	<b>ix</b>
<b>LIST OF FIGURES</b> .....	<b>ix</b>
<b>CHAPTER 1 INTRODUCTION</b> .....	<b>1</b>
1.1.    Research Object Overview.....	1
1.1.1    PT KAI (Persero) Profile .....	1
1.2    Research Background .....	2
1.3    Problem Statement .....	10
1.4    Research Purpose .....	11
1.5    Benefit of Research.....	11
1.6    Research Systematic .....	11
<b>CHAPTER II LITERATURE REVIEW</b> .....	<b>13</b>
2.1    Theory and Previous Research.....	13
2.1.1    Rail Transportation .....	13
2.1.2    Productivity.....	13
2.2    Previous Research .....	20
2.3    Framework .....	41
<b>CHAPTER III RESEARCH METHOD</b> .....	<b>42</b>
3.1    Types of research.....	42
3.2    Variable Operations .....	44
3.3    Research Stages .....	47
3.4.    Population.....	48
3.5    Data Collection and Data Sources.....	49
3.6.    Data Analysis Technique.....	49

3.7	Productivity Level Using Malmquist Productivity Index .....	50
<b>CHAPTER IV RESEARCH RESULT AND DISCUSSION.....</b>		<b>51</b>
4.1	Descriptive Analysis .....	51
4.2	Result .....	53
4.2.1	Productivity at PT Kereta Api Indonesia (Persero).....	54
4.3	Discussion .....	60
<b>CHAPTER V CONCLUSION AND SUGGESTION.....</b>		<b>63</b>
5.1	Conclusion .....	63
5.2	Suggestion.....	63
<b>REFERENCES .....</b>		<b>65</b>
<b>APPENDIX.....</b>		<b>69</b>

## LIST OF TABLES

Table 1.1 Rail Transport Traffic Movements PT KAI ( <i>Persero</i> ).....	6
Table 2.2 Previous Research .....	25
Table 3. 1 Research Characteristic .....	43
Table 3.2 Operational Definition.....	44
Table 4.1 Statistic Descriptive Result of input variable and Output variable of PT KAI ( <i>Persero</i> ) .....	51
Table 4.2 Annual Average Value in the Malmquist Index of PT Kereta Api Indonesia ( <i>Persero</i> ) .....	54

## LIST OF FIGURES

Figure 1.1 Logo of PT KAI.....	2
Figure 1. 2 Number of Railway Accidents , 2015 – 2021 .....	4
Figure 1.3 Number of Revenue , 2011-2021.....	5
Figure 2.1 Framework of Productivity of PT KAI ( <i>Persero</i> ).....	41