

**HO CHI MINH NATIONAL ACADEMY OF POLITICS**

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**INDUSTRIAL DEVELOPMENT OF HUNG YEN PROVINCE  
IN THE NORTHERN KEY ECONOMIC REGION LINK**

**SUMMARY OF DOCTORAL THESIS**

**MAJOR: POLITICAL ECONOMY**

**Item No.: 9310102**

**HANOI - 2025**

**The project was completed at  
Ho Chi Minh National Academy of Politics**

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**The thesis defended before the Academy-level Thesis Grading  
Councilmeeting at the Ho Chi Minh National Academy of Politics**

***At 15:00 on July 30, 2025***

**The thesis can be found at: National Library and Library of the Ho  
Chi Minh National Academy of Politics**

## **BEGIN**

### **1. Urgency of the thesis topic**

Industrial development is a large, transparent and consistent policy of the Party and the State, which is one of the key contents of the country's industrialization and modernization process. The 10-year socio-economic development strategy 2021 - 2030 has determined: "Building a strong national industry. Industrial development harmoniously combines both breadth and depth, focusing on in-depth development, creating a breakthrough in improving productivity, quality and competitiveness of industrial products". Aiming to be a developing country with a modern industry with a high middle income by 2030, by 2045 to become a developed country with high income.

Industrial development in the linkage of key economic regions plays a very important role in development socio-economic country; contributing to accelerating industrialization, modernization and development of the socialist-oriented market economy. Located in the Northern key economic region, Hung Yen province has a strategic location, located in the center of the Red River Delta and the economic growth triangle of Hanoi - Hai Phong - Quang Ninh, the eastern gateway of Hanoi, with a synchronous transportation system, easy to connect with other provinces, cities in the region and surrounding areas. These advantages contribute to promoting Hung Yen province to promote its potential and development advantages socio-economic in general and industrial development in particular, implementing the goal of the 19th Provincial Party Congress for the term 2020 - 2025 "building Hung Yen into a modern industrial province".

Over the years, in order to promote socio-economic development in general and industrial development in particular, Hung Yen province has set out many policies and measures to shift the economic structure in the direction of modern industry, services and agriculture, mobilization and use of resources, etc exploiting the potential and strengths of the province. Hung Yen province focuses on industrial development in regional linkages in order to strengthen the exploitation of the potential, strengths and space of other provinces in the region, to promote the development of the province's industry. Therefore, centerprises of Hung Yen province grew well,

making an important contribution to economic growth, restructuring the economy and labor structure in a positive direction, creating jobs and increasing budget revenue; the industrial production index increased by an average of 10.01%/year, in 2023 alone, the industrial development index increased by 6.35%; in the industrial economic structure, accounting for 61.7% of GRDP.

However, the practice of industrial development of Hung Yen province in linking the Northern key economic region still has many limitations, not commensurate with the province's potential advantages: there is still a lack of mechanisms and policies to link with provinces and cities in the Northern key economic region on industrial development; building and completing the infrastructure system according to the the direction of industrial development linkage is still slow and unsynchronized; the competitiveness of many industrial enterprises in the province is not high; industries in Hung Yen province have mostly not had deep participation in the industry value chain in Hung Yen, as well as the region's value chain in cooperation with provinces in the Northern key economic region, especially participating in the global supply chain of large multinational corporations in the world.

Hung Yen province merged with Thai Binh province into the new Hung Yen province also open many favorable conditions and room for industrial development in linking key economic regions. At the same time, so far, there has been no work that fully studies the theory and practice of industrial development of a province in linking key economic regions from the perspective of political economy. That raises the need to be aware of the nature, characteristics and role of industrial development content of a province in the Northern key economic region linkage; assess the current situation and propose solutions for industrial development in Hung Yen province in linking key economic regions in the right direction and with high efficiency in the coming time.

Stemming from the above reasons, the topic "*Industrial development of Hung Yen province in the linkage of the Northern key economic region*" was chosen as the research topic of the doctoral thesis in Political Economy which is significant in both theory and practice

## **2. Objectives and tasks of the study**

### ***2.1. Purpose of the study***

To study and clarify theoretical issues on industrial development of a province in the linkage of key economic regions; assessing the current situation; propose views and solutions for industrial development of Hung Yen province in linking the Northern key economic region to 2035.

### ***2.2. Research tasks***

- Overview of research works related to the thesis topic, overview of the value of the works, pointing out issues that need to be further researched.
- To study and clarify theoretical issues on industrial development of a province in the link of key economic regions; in which it clarifies some basic concepts about: industry; industrial development; industrial development in the link of key economic regions and industrial development of a province in the link of key economic zones; develop contents, evaluation criteria and factors affecting the industrial development of a province in the key economic region linkage.
- Analyze and assess the current situation of industrial development of Hung Yen province in the Northern key economic region linkage in the period of 2018 - 2023. Clearly indicate the achievements, limitations, and problems posed in the face of new development requirements.
- Presenting the context, viewpoints and solutions for industrial development of Hung Yen province in linking the Northern key economic region to 2035.

## **3. Subjects and scope of research**

### ***3.1. Subjects of study***

Industrial development of a province in the Northern key economic region.

### ***3.2. Scope of study***

- *Contents:* Research on industrial development of Hung Yen province in the association of the Northern key economic region in the aspects of: the role of subjects; contents and methods of industrial development in the association of key economic regions and industrial development results of Hung Yen province in the association of the Northern key economic region. In particular, data of industries of Hung

Yen province are used on four groups: (1) mining industry; (2) processing and manufacturing industry; (3) production and distribution of electricity, gas, hot water, steam and air conditioning; (4) water supply, waste and wastewater management and treatment activities as evidence.

- *Regarding space*: Research thesis on industrial development of Hung Yen province and enterprises, industrial parks, and industrial clusters in Hung Yen province.

- *Regarding time*: Using survey and evaluation data from 2018 - 2023, proposing development views and solutions to 2035.

#### **4. Theoretical, practical basis and research methods**

##### ***4.1. Theoretical basis***

The thesis is carried out on the basis of the theory and methodology of Marxism-Leninism, Ho Chi Minh Thought; the Party's viewpoints, the State's policies and laws on industry, regional linkage, key economic regions, industrial development in the Northern key economic region linkage.

##### ***4.2. Practical basis***

The research project is based on a survey of the industrial development process in some localities in the country and the industrial development practice of Hung Yen province in the period of 2018 - 2023; refer to the summary reports of the province and research results of relevant scientific works.

##### ***4.3. Research methods***

Materialist dialectical method:

Scientific abstraction method:

Statistical and comparative methods:

Analysis and synthesis methods:

The method combines logic and history:

#### **5. New contributions of the thesis**

##### ***5.1. Theoretical contributions***

The thesis contributes to clarifying more theoretical issues about industrial development of a province in the link of key economic regions; in which the concept, content and evaluation criteria are developed, indicating factors affecting the industrial development of a province in the key economic region linkage.

## **5.2. Practical contributions**

Draw some valuable lessons and experiences for Hung Yen province on industrial development in the Northern key economic region linkage.

Assess the current status of industrial development of Hung Yen province in the Northern key economic region linkage in the period of 2018 - 2023 and propose views and solutions for industrial development of Hung Yen province in the Northern key economic region linkage to 2035.

## **6. Structure of the thesis**

In addition to the introduction, conclusion and list of references, the thesis is structured into 4 chapters, 10 sections, conclusions, list of published scientific works related to the thesis topic, list of references and appendices.

*Chapter 1:* Overview of research related to the thesis topic

*Chapter 2:* Theoretical and practical issues on industrial development of a province in the linkage of key economic regions.

*Chapter 3:* The current situation of industrial development of Hung Yen province in the Northern key economic region linkage in the period of 2018 - 2023.

*Chapter 4:* Perspectives and solutions for industrial development of Hung Yen province in linking the Northern key economic region to 2035.

# **CHAPTER 1 OVERVIEW OF RESEARCH RELATED TO THE THESIS TOPIC**

## **1.1. FOREIGN AND DOMESTIC RESEARCH WORKS RELATED TO THE THESIS TOPIC**

### **1.1.1. Foreign research works related to the thesis topic**

#### ***1.1.1.1. Research works on industry and industrial development***

United Nations (2007), *Industrial development for the 21st century = Industrial development for the twenty-first century: Sustainable development perspectives*. Belussi, F, & Caldari, K. (2008), "At the origin of the industrial district: Alfred Marshall and the Cambridge school". Marcelo Amaral, Raphael Lima, Gustavo da, Silva Motta, Mariana Fagundes, Marília Schocair (2017), "An analysis of industrial districts and Triple Helix of innovation - a regional development experience in the south of the state of Rio de Janeiro".

Yaolin Liu, Xianghui Zhang, Xingyu Pan, Xiuxin Ma, Mingyang Tang (2020), "The spatial integration and coordinated industrial development of urban agglomerations in the Yangtze River Economic Belt, China". Liang Zheng (2021), "Job creation or job relocation? Identifying the impact of China's special economic zones on local employment and industrial agglomeration".

#### ***1.1.1.2. Research works on economic linkages and linkages with key economic regions***

Fitsum S. Weldegiorgis, Evelyn Dietsche, Daniel M. Franks (2021), "Building mining's economic linkages: A critical review of local content policy theory". Xiaoyu Wang, Yanlin Sun, Bin Peng (2023), "Industrial linkage and clustered regional business cycles in China".

#### ***1.1.1.3. Research works on industrial development in the linkage of key economic regions***

Na Li, Min-jun Shi, Fei Wang (2009), "Roles of Regional Differences and Linkages on Chinese Regional Policy Effect in CGE" Analysis. Vinh Ho, Karen Fisher-Vanden, Bao Trung Su (2020), "Technological spillover through industrial and regional linkages: Firm-level evidence from China". Chaoran Hu, Yi Zhou, Canfei He (2019), "Regional industrial development in a dual-core industry space in China: The role of the missing service". Kim Hoa Luong (2023), "An analysis of the linkage between marine industry and regional economy - Taking the three coastal economic zones as an example".

### **1.1.2. Domestic research works related to thesis topics**

#### ***1.1.2.1. Research works on industry and industrial development***

Le The Gioi (2015), *Development of supporting industries in Vietnam - theory, practice and policy*. Do Thuy Nga (2018), *Development of supporting industries in Hanoi city*. Vu Chi Hung (2018), *Development of supporting industries in Japan, Korea, Taiwan and lessons learned for Vietnam*. Nguyen Thi Viet Nga (2019), *Synchronizing policies for the development of supporting industries in Vietnam today*. Do Van Thang (2019), *Development of supporting industries: A case study of the leather footwear, textile, and electronics industry in Binh Duong*. Truong Minh Tue (2016), *Financial Policy for the Development of Supporting Industries in Vietnam*. Tran Thi Phuong Diu (2017), *Financial policies for the development of supporting industries to 2025 - The case of Vietnam's automobile industry*. Huynh Van Khai (2022), "Development of



supporting industries to attract foreign direct investment (FDI) inflows, in Vietnam today". Trinh Trung Kien (2016), *Development of agricultural processing industry in Kon Tum province*. Nguyen Thanh Truc (2016), *Development of coffee processing industry in Dak Lak: Current situation and solutions*. Phung Kim Phuong, Nguyen Thi Minh Huyen (2020), "Promoting supporting industries in Vietnam". Nguyen Xuan Dien (2022), "Orientations and solutions for industrial development in Kom Tum province in the new period". Pham Ngoc Hai, Le Nguyen Thanh (2022), "New industrialization strategy in Vietnam to 2030, vision to 2035". Ha Minh Hiep (2022), "Connected industries and suggestions for Vietnam". Trinh Thi Hien, Nguyen Huu Chung (2022), "Development of Vietnam's digital technology industry". Duong Thanh Nhan (2022), "Need a new, wider space for the digital technology industry". Tran Van Tuyen, Pham Canh Huy (2022), "The current situation and proposals for some solutions to develop industrial clusters in Bac Ninh province". Nguyen Ba Van, Do Hong Quan (2022), "Development of high-tech industry in Hanoi city".

#### ***1.1.2.2. Research works on economic linkages and linkages with key economic regions***

Ngo Van Phong (2016), *Linkage of the Northern key economic region in the period from now to 2020, with a vision to 2030*. Bui Quang Tuan, Ha Huy Ngoc (2016), "Coordination model of linkage of key economic regions in Vietnam". Ngo Cao Hoai Linh (2017), "Regional linkages to promote FDI attraction for the Central Highlands economic region". Nguyen Tan Vinh (2017), *Regional linkage in attracting and using foreign direct investment in the Southeast region: Current situation and solutions*. Nguyen Dinh Khang (2018), "Promoting regional linkages in the socio-economic development strategy of Ha Nam province". Le Thi Hoai Thuong (2018), "Improving mechanisms and policies to promote regional linkages in the Mekong Delta". Do Phu Tran Tinh, Nguyen Van So (2019), "Improving the institution of the Southern key economic region - Lessons from countries around the world". Tran Ngoc Duong, Tran Thi Thu Huong (2020), "Building and Operating Regional Organizational Apparatus: International Experiences and Policy Implications for Vietnam". Bui Van Cuong (2020), "Dak Lak province actively promotes regional linkages and economic connections, creating new impetus for growth and development". Nguyen Quoc Toan (2020), "Economic impacts

of the South Central Coast Linkage". Tran Huu Dong, Ha Huy Ngoc (2021), "Institutional coordination and linkage in the Mekong Delta". Nguyen Anh Dung (2022), "Some regional linkage solutions to unleash socio-economic development resources in the central provinces". Nguyen Chi Dung (2022), "Linking the development of the Northern midlands and mountainous regions in regional development planning". Nguyen To Lang (2022), "The paradoxes of urban development and the resistance to regional linkages". Mai Van Moi (2022), "The relationship between local marketing, regional linkages, destination images and satisfaction of foreign direct investment enterprises: the case of Long An province".

### ***1.1.2.3. Research works on industrial development in the linkage of key economic regions***

To Hien Tha (2014), *Industrial development in the Northern key economic region of Vietnam in the direction of sustainability*. Vu Van Loi (2016), "Solutions for industrial development in the Central Key Economic Region". Nguyen Chi Hai, Huynh Ngoc Chuong (2018), "Assessment of linkages in industrial development in the Southern key economic region". Pham Ngoc Minh, Le Thi Thanh Binh (2019), "Development of industrial clusters in the Mekong Delta linkage". Nguyen Tri Hai, Pham My Duyen, Tra Van Trung (2022), "Promoting technological linkages of industrial enterprises in the Southern key economic region". Bui Thanh Tung (2022), "Some theoretical and practical issues on the construction of industrial development clusters and policy implications for the Southern key economic region".

## **1.2. THE VALUE OF THE REVIEWED SCIENTIFIC WORKS ON THE THESIS TOPIC AND THE THESIS ISSUES FOCUSED ON RESEARCH**

### **1.2.1. Value of the reviewed scientific works for the thesis topic**

*First*, the research works have mentioned the theoretical issue of industrial development and industrial development in the linkage of key economic regions.

*Secondly*, a number of research works have assessed the current situation of industrial development and industrial development in the linkage of key economic regions.

*Third*, research works discuss views and solutions for industrial development in linking key economic regions.

### **1.2.2. Thesis issues focused on research**

The scientific gaps that PhD students can access are: theoretical issues about industrial development of a province in the link of key economic regions; the current situation of industrial development in Hung Yen province in the Northern key economic region linkage and industrial development solutions in Hung Yen province in the Northern key economic region linkage. These are issues that have not been mentioned by any scientific work from the perspective of political economy. The topic of clarifying the scientific gaps on the thesis will focus on research on the basis of solving the following problems:

*First*, on what theoretical basis is the industrial development of a province in the key economic region linkage?

*Secondly*, in order to develop industry in the Northern key economic region, in which localities does Hung Yen province need to learn from experience? What lessons can be learned?

*Thirdly*, what is the current state of industrial development of Hung Yen province in linking the Northern key economic region in recent years? What are the achievements and limitations? What are the reasons for the above achievements and limitations? What are the problems that need to be solved about the industrial development of Hung Yen province in linking the key economic region of the Northern region?

*Fourth*, what views and solutions should be needed for industrial development of Hung Yen province in linking the Northern key economic region in the coming time?

## **Chapter 2**

### **THEORETICAL AND PRACTICAL BASIS FOR INDUSTRIAL DEVELOPMENT OF A PROVINCE IN THE LINKAGE OF KEY ECONOMIC REGIONS**

#### **2.1. GENERAL THEORY OF INDUSTRIAL DEVELOPMENT IN THE LINKAGE OF KEY ECONOMIC REGIONS**

##### **2.1.1. Concept of industry and industrial development**

##### **2.1.1.1. Industry**

*Industry is an important part of the national economy, the field of producing material goods, based on the progress of science and*

*technology, products are "manufactured and processed" for consumption needs or for subsequent production and business activities.*

#### **2.1.1.2. Industrial development**

*Industrial development is the overall measures and methods to increase the scale, change the structure, improve the level and quality of the industry on the basis of applying the achievements of science and technology in order to contribute to socio-economic development.*

### **2.1.2. Concept and role of industrial development in linking key economic regions**

#### **2.1.2.1. The concept of industrial development in the linkage of key economic regions**

##### *\* Regional linkage, economic linkage*

Regional economic linkage is actually the association between different economic entities in a region, based on economic interests as the main one, in order to promote comparative advantages and create higher economic competitiveness for a region.

##### *\* Concept of industrial development in linking key economic regions*

From the above issues, the thesis conceptualizes: *industrial development in the linkage of key economic regions is the overall measures and methods of the subjects to increase the scale, change the structure, increase the ability to connect in terms of economic-natural and socio-economic space between localities in the region on the basis of cooperation, sharing information, resources, activities and capabilities of localities in the region, creating comparative advantages in competitiveness and driving force for effective and sustainable industrial, socio-economic development of localities in the region.*

#### **2.1.2.2. The role of industrial development in linking key economic regions**

*First, industrial development in the linkage of key economic regions allows the maximum exploitation of the potentials, strengths, resources and space of localities in the region in industrial development.*

*Second, industrial development in linking key economic regions will promote economic growth and improve the output scale of the regional economy.*

*Thirdly, industrial development in the linkage of key economic regions contributes to economic restructuring in the direction of modernization, increasing the proportion of industry and services, and reducing the proportion of agriculture in the whole region.*

*Fourthly, industrial development in the linkage of key economic zones contributes to promoting the process of building material foundations and economic infrastructure, applying industrial achievements to all fields of production of goods and services, improving labor productivity and participating in the value chain of goods and services of each locality in the region.*

*Fifth, industrial development in the linkage of key economic regions contributes to creating many jobs and solving social problems.*

## **2.2. CONCEPTS, CONTENTS, EVALUATION CRITERIA AND FACTORS AFFECTING THE INDUSTRIAL DEVELOPMENT OF A PROVINCE IN THE LINKAGE OF KEY ECONOMIC REGIONS**

### **2.2.1. The concept of industrial development of the province in the linkage of key economic zones**

*From the above concepts, the thesis argues that: Industrial development of a province in the linkage of key economic regions is the overall methods and measures of subjects in the province to develop guidelines, mechanisms and policies; increase scale, quality, improve structure, strengthen the ability to connect in terms of economic-natural-social space with localities in the region; creating comparative advantages, improving competitiveness, creating a driving force to promote industrial and socio-economic development in the direction of modernity, efficiency and sustainability.*

### **2.2.2. Contents and criteria for assessment of industrial development of a province in the association of key economic regions**

#### **2.2.2.1. Contents and modes of industrial development of a province in the association of key economic regions**

Therefore, in order to evaluate the content and mode of industrial development of the province in the linkage of key economic regions, it is necessary to focus on the following criteria:

*First, to develop the province's industrial forms in the linkage of key economic regions.*

*Second, linkage in building the system of industrial parks and*

*industrial clusters of the province in the correlation of the whole key economic region*

*Third, to build socio-economic infrastructure and transport infrastructure for the province's industrial development in linking key economic regions.*

*Fourth, training human resources for industrial development in the province in the link of key economic regions.*

### ***2.2.2.3. Criteria for evaluating industrial development of a province in the Northern key economic region association***

Therefore, to evaluate the industrial development results of a province in the Northern key economic region linkage based on the following basic criteria:

*First, the speed, scale, quality of industrial growth and the proportion of industry contribution to the province's gross domestic product (GRDP).*

*Second, the trend of shifting the economic structure of the province's industry in relation to key economic regions.*

*Third, the efficiency of using resources in the province's industrial development in comparison with key economic regions.*

*Fourth, the contribution of industry to the construction of the province's infrastructure system in the comparison of key economic regions.*

*Fifth, contributing to solving social and environmental problems.*

### ***2.2.3. Factors affecting the industrial development of a province in the link of key economic regions***

#### ***2.2.3.1. Objective factors***

*First, geographical location, natural conditions.*

*Second, orient the national industrial development policy.*

*Third, the trend of international and regional economic integration and the shift of industrial production of the global economy.*

*Fourth, the impact of the Fourth Industrial Revolution and the trend of improving production technology in industries in the direction of green industry and clean industry.*

#### ***2.2.3.2. Subjective factors***

*First, the province's industrial development mechanisms and policies*

*Second, the management and executive capacity of local governments*

*to develop the province's industry*

*Third, the capacity of the business community for the province's industrial development*

*Fourth, human resources for the province's industrial development*

*Fifth, infrastructure for industrial development*

### **2.3. EXPERIENCE OF INDUSTRIAL DEVELOPMENT IN LINKING THE NORTHERN KEY ECONOMIC REGION IN SOME LOCALITIES AND LESSONS LEARNED FOR HUNG YEN PROVINCE**

#### **2.3.1. Experience in industrial development in linking the Northern key economic region of Bac Ninh province**

*First, the Party Committee and local governments of Bac Ninh province have always determined a consistent view on industrial development in linking the Northern key economic region.*

*Second, promote the improvement of the business environment, reform administrative procedures in the direction of prioritizing favorable production and business enterprises.*

*Thirdly, to adjust the direction of industrial development focusing on in-depth development, creating breakthroughs in improving productivity, quality and supply capacity.*

#### **2.3.2. Experience in industrial development in linking the Northern key economic region of Vinh Phuc province**

*First, to improve mechanisms and policies to promote industrial development in linking the Northern key economic region.*

*Secondly, focus on building and completing synchronous and modern infrastructure, associated with the construction of urban framework infrastructure for industrial development.*

*Third, actively improve the investment environment, exploit resources, remove bottlenecks in economic development and the industrial sector.*

#### **2.3.3. Lessons learned for industrial development of Hung Yen province in linking the Northern key economic region**

*First, supplementing and completing planning, mechanisms and policies for industrial development in linking the entire Northern key economic region.*

*Secondly, focus on building and perfecting the infrastructure system in the direction of synchronization, modernity, and high connectivity,*

*associating the construction of infrastructure for industrial development urban framework in the Northern key economic region.*

*Third, improve the investment and business environment, attract large, focused and key investors; remove bottlenecks, well exploit the potential and strengths of the Northern key economic region for industrial development.*

*Fourth, focus on developing high-quality human resources, especially high-tech industries.*

### **Chapter 3**

## **CURRENT SITUATION OF INDUSTRIAL DEVELOPMENT OF HUNG YEN PROVINCE IN THE NORTHERN KEY ECONOMIC REGION LINKAGE IN THE PERIOD OF 2018 - 2023**

### **3.1. ACHIEVEMENTS AND LIMITATIONS OF INDUSTRIAL DEVELOPMENT OF HUNG YEN PROVINCE IN THE NORTHERN KEY ECONOMIC REGION LINKAGE IN THE PERIOD OF 2018 - 2023**

#### **3.1.1. Industrial development achievements of Hung Yen province in the Northern key economic region linkage in the period of 2018 - 2023**

##### ***3.1.1.1. Entities that have played a good role in industrial development in the linkage of key economic regions***

*First, the Provincial Party Committee, People's Council, and People's Committee of Hung Yen province have developed and promulgated a system of Resolutions, programs and plans for industrial development in the Northern key economic region.*

*Secondly, Hung Yen province has actively coordinated with localities in the Northern key economic region to develop mechanisms, policies, plannings and plans for industrial development.*

*Thirdly, businesses and people of Hung Yen province have actively participated in industrial development in linking key economic regions.*

##### ***3.1.1.2. The contents and methods of industrial development of Hung Yen province in linking the Northern key economic region are diverse, flexible and remarkably progressive***

*First, Hung Yen province develops a variety of industries, focusing on processing, manufacturing and supporting industries in the overall*



*development of the Northern key economic region.*

*Secondly, Hung Yen province focuses on developing industrial parks and industrial clusters along axes and routes connecting with provinces and cities in the Northern key economic region.*

*Thirdly, initially focus on linking the construction of a socio-economic infrastructure system, especially the transport infrastructure system for industrial development connected with provinces and cities in the Northern key economic region.*

*Fourth, Hung Yen province strengthens the link of training human resources for industrial development in the link of the Northern key economic region.*

### ***3.1.1.3. The industrial development results of Hung Yen province in the Northern key economic region link have changed very positively***

*First, the speed, scale, quality of industrial growth and the proportion of industry contribution in the GRDP of Hung Yen province have been expanded.*

*Second, the trend of industrial economic restructuring of Hung Yen province is progressive.*

- *Structure of industrial products.*
- *The industrial structure according to economic sectors is gradually diversified.*

- *Industrial structure by locality in the province.*

*Thirdly, the results of using resources in industrial development of Hung Yen province have changed positively.*

- *Labor resources ensure quantity and quality.*
- *The capital source gradually expands in scale.*

*Fourth, the contribution of industry to the infrastructure construction of Hung Yen province is gradually increasing.*

*Fifth, contributing to solving social problems gradually in the region.*

### ***3.1.2. Limitations on industrial development of Hung Yen province in the association of the Northern key economic region***

***3.1.2.1. The coordination in the formulation of mechanisms and policies between Hung Yen province and localities in the Northern key economic region on industrial development is not tight***

***3.1.2.2. The cohesion in industrial development between Hung Yen province and provinces and cities in the Northern key economic region***

***still has some limitations***

*First, coordination and linkage in infrastructure construction have not met the industrial development requirements of Hung Yen province and the Northern key economic region*

*Second, the coordination of training human resources and the application of science and technology for industrial development is still small and not specific.*

***3.1.2.3. The industrial development results of Hung Yen province in linking the Northern key economic region in many aspects have not met the new development requirements of the whole region***

*First, the development of the supporting industry is still slow compared to the potential advantage; the linkage of manufacturers is not close; production lines, equipment and production technology are still outdated, consuming a lot of energy, potentially causing environmental pollution.*

*Second, the progress of infrastructure construction of industrial parks and industrial clusters is still slow in linking the whole region.*

*Thirdly, the environmental situation in some industrial parks, industrial clusters and some localities is polluted, environmental protection has not met practical requirements, causing pollution in the region.*

*Fourth, the material and spiritual life of workers in industry in Hung Yen is still low.*

**3.2. CAUSES AND PROBLEMS THAT NEED TO BE SOLVED FROM THE CURRENT SITUATION OF INDUSTRIAL DEVELOPMENT OF HUNG YEN PROVINCE IN THE NORTHERN KEY ECONOMIC REGION LINKAGE**

**3.2.1. Causes of industrial development achievements of Hung Yen province in the association of the Northern key economic region**

***\* Objective causes***

*First, the Party and the State have promptly issued many resolutions to create favorable conditions for Hung Yen province to develop industry in the Northern key economic region.*

*Secondly, favorable natural conditions and smooth and effective coordination between localities in the Northern key economic region have helped Hung Yen province develop industry.*

***\* Subjective causes***

*First, Hung Yen province has paid attention to perfecting and*

*promulgating many mechanisms and policies to prioritize industrial development associated with key economic region linkages.*

*Secondly, Hung Yen province has policies to recover, compensate and support appropriate site clearance, creating conditions for industrial development.*

### **3.2.2. Causes of industrial development restrictions of Hung Yen province in the Northern key economic region link**

#### *\* Objective causes*

*First, the world economy has many unpredictable fluctuations, the problem of military conflicts between some countries and territories has affected the economic development environment of the whole region in general and the industrial development of Hung Yen province in particular.*

*Secondly, the domestic economy has gradually recovered, but difficulties are still revealed and stability is not high, and some policies to remove difficulties of the Government have not been fully implemented in practice.*

*Third, the institution of linking the Northern key economic region is not complete, the coordination and cohesion between localities in the region is not tight and irregular.*

#### *\* Subjective causes*

*First, the awareness and responsibility of a part of the province's industrial development management and administration officials are still not high, lack of initiative in regional coordination and linkage.*

*Secondly, most of the enterprises of Hung Yen province are small-scale, have low management levels, difficulties in linking and meeting the increasingly strict requirements of large domestic and international customers*

*Thirdly, investment in the construction of infrastructure of industrial parks, industrial clusters and social infrastructure for industrial development faces many difficulties and lack of synchronization.*

*Fourth, the mobilization and use of resources for industrial development of Hung Yen province in linking the Northern key economic region is still limited.*

### **3.2.3. These the problem needs to be solved from the current situation of industrial development of Hung Yen province in the connection of the Northern key economic region**

*Firstly, the formulation of industrial development planning,*

*mechanisms and policies in the linkage of the Northern key economic region is not synchronous and lacks a linkage mechanism.*

*Secondly, building an infrastructure system for industrial development of Hung Yen province in linking the Northern key economic region in the direction of modernity still has limited inadequacies.*

*Thirdly, the quality of human resources, especially high-quality human resources and the application of modern science and technology for industrial development of Hung Yen province in linking the Northern key economic region has not yet met the new development requirements.*

*Fourth, the competitiveness and attraction of investment resources for industrial development of Hung Yen province in linking the Northern key economic region with existing limitations and inadequacies.*

## **Chapter 4**

### **VIEWPOINTS AND SOLUTIONS FOR INDUSTRIAL DEVELOPMENT OF HUNG YEN PROVINCE IN LINKING THE NORTHERN KEY ECONOMIC REGION TO 2035**

#### **4.1. CONTEXT AND VIEWPOINTS OF INDUSTRIAL DEVELOPMENT OF HUNG YEN PROVINCE IN THE ASSOCIATION OF THE NORTHERN KEY ECONOMIC REGION**

##### **4.1.1. World and domestic economic context affecting the industrial development of Hung Yen province in the Northern key economic region link**

###### **4.1.1.1. World context**

*First, the issues of military conflicts between a number of countries and territories, the US-China strategic competition is intense, causing a wave of investment shifts, restructuring of global regional supply chains and strong trade tariff effects.*

*Second, the fourth industrial revolution has had an increasingly profound and multi-dimensional impact on countries, localities, and businesses.*

*Third, economic connectivity, in which connecting policies, infrastructure, and people has continued to be a major trend of countries in the region.*

###### **4.1.1.2. Domestic context**

*First, Vietnam's economy maintains a decent growth rate, Vietnam's*

*economic prospects are positive, and the country is entering an era of national growth.*

*Second, Vietnam is continuing to promote opening-up, international integration, and favorable development of investment, business and trade.*

*Thirdly, the trend of consolidating provinces and cities and streamlining the state apparatus in the direction of efficiency, effectiveness and efficiency is happening rapidly.*

#### **4.1.2. Perspectives on industrial development of Hung Yen province in linking the Northern key economic region to 2035**

***4.1.2.1. Industrial development of Hung Yen province must be included in the general planning of the entire Northern key economic region and the whole country***

***4.1.2.2. The industrial development of Hung Yen province in the association of the Northern key economic region must be on the basis of harmonizing interests among localities in the region***

***4.1.2.3. Industrial development of Hung Yen province in the Northern key economic region must be aimed at ensuring a sustainable environment, following the trend of green economy and circular economy***

#### **4.2. INDUSTRIAL DEVELOPMENT OF HUNG YEN PROVINCE IN THE NORTHERN KEY ECONOMIC REGION LINK TO 2035**

**4.2.1. To complete the planning, mechanisms and policies on industrial development of Hung Yen province in the association of the Northern key economic region**

***4.2.1.1. Completing industrial development plannings and plans of Hung Yen province in linking the Northern key economic region***

*First, continue to complete the planning for the distribution of industrial parks and industrial clusters in the province in the period of 2021 - 2030, with a vision to 2050.*

*Second, the planning for the development of industries.*

***4.2.1.2. Review and improve mechanisms and policies for industrial development in Hung Yen province in the Northern key economic region linkage***

*First, review and improve the legal basis for industrial development in the Northern key economic region linkage.*

*Second, to build mechanisms and methods of linking industrial development in Hung Yen province with localities in the Northern key economic region.*

*Third, continue to review, supplement and improve mechanisms and policies on technology application and transfer in industrial development.*

***4.2.1.3. To raise awareness and responsibilities for subjects and strengthen the state management of industrial development of Hung Yen province in the Northern key economic region linkage***

*First, raising awareness and responsibility for subjects in the industrial development of Hung Yen province in linking the Northern key economic region.*

*Second, to strengthen the state's management role in the industrial development of Hung Yen province in linking the Northern key economic region.*

***4.2.2. To build and complete synchronous and modern infrastructure for industrial development of Hung Yen province in the link of the Northern key economic region***

***4.2.2.1. Continue to build and complete inter-regional and intra-regional transport infrastructure***

*First, to build a transport network with regional linkage, connecting expressways and national highways with local traffic routes that are conducive to socio-economic development in general and industrial development in particular.*

*Secondly, to build bus stations, rest stops, and freight bus stations to meet the requirements of industrial development.*

***4.2.2.2. Construction of infrastructure of industrial parks, industrial clusters and export processing zones in service of industrial development of Hung Yen province in the association of the Northern key economic region***

***4.2.2.3 Building and perfecting the social infrastructure system around industrial zones and clusters***

***4.2.3. To develop science and technology, innovation and human resources to meet the requirements of industrial development of Hung Yen province in linking the Northern key economic region***

***4.2.3.1. Increasing investment in and application of science and technology in service of industrial development in the Northern key economic region association***

*First, to strengthen the propagation and dissemination of the Party's guidelines, the State's policies and laws on the role of science and technology in the cause of socio-economic development in general and industrial development in particular.*

*Second, thoroughly grasp and effectively implement legal documents in the field of science and technology and innovation promulgated by the Central Government.*

*Third, continue to promote research and application of science and technology in the production and business of enterprises.*

*Fourth, develop scientific and technological potential and construction, promote the innovative start-up ecosystem for industrial development.*

*Fifth, to increase investment in funds and material foundations for science and technology, association and cooperation in science and technology in service of industrial development.*

**4.2.3.2. To develop sufficient human resources in quantity and improve quality to meet the requirements of industrial development in the Northern key economic region linkage**

*First, to develop a sufficient number of human resources to meet the requirements of industrial development in Hung Yen province*

*Second, improve the quality of human resources to meet the requirements of industrial development of Hung Yen province.*

**4.2.4. To improve the investment environment, improve provincial competitiveness, attract domestic and foreign investment in industrial development of Hung Yen province in the Northern key economic region linkage**

**4.2.4.1. Enhancing the roles and responsibilities of all levels, branches and heads of sectors in improving the investment environment and raising the provincial competitiveness index**

**4.2.4.2. Improving the efficiency of investment promotion, trade promotion, encouraging and supporting enterprises**

**4.2.4.3. Strengthening environmental protection in the process of industrial development**

**4.2.5. Strengthen the mobilization and use of investment capital to promote industrial development of Hung Yen province in the Northern key economic region linkage**

**4.2.5.1. Mobilization and use of capital from the state budget**

**4.2.5.2. Mobilization and use of non-state budget capital sources**

**4.2.5.3. Mobilization and use of capital sources from the foreign sector**

## CONCLUDE

1. Industrial development in the linkage of key economic regions is an issue that has always received the attention and research of many scientists, researchers and economic managers at home and abroad. There have been many scientific works such as theses, monographs, scientific topics at all levels, scientific articles, scientific seminars, etc. domestic and foreign refers to many different angles and aspects. However, until now, there has not been a complete and systematic study of industrial development in linking the Northern key economic region in a locality such as Hung Yen province.

2. The thesis argues that the industrial development of a province in the Northern key economic region association is the sum of ways and measures of subjects in the province to develop guidelines, mechanisms and policies; increase the scale, quality, expand the structure, strengthen the ability to connect in terms of economic-natural-social space with localities in the region; creating comparative advantages, improving competitiveness, creating a driving force to promote industrial and socio-economic development in the direction of modernity, efficiency and sustainability.

3. The process of industrial development of Hung Yen province can refer to the good experiences and good practices of some localities in the Northern key economic region such as Bac Ninh province and Vinh Phuc province, which have a thriving industrial production and a high proportion in the economic structure. Some practical lessons that Hung Yen province can learn and implement such as: *First*, supplementing and completing industrial development planning, mechanisms and policies. *Secondly*, focus on building and perfecting the infrastructure system in the direction of synchronization, modernity, and high connectivity, associating the construction of infrastructure for industrial development urban framework in the Northern key economic region. *Third*, improve the investment and business environment, attract large, focused and key investors; remove bottlenecks, well exploit the potential and strengths of the Northern key economic region for industrial development. *Fourth*, focus on developing high-quality human resources, especially high-tech industries.



4. In the period of 2018 - 2023, the industrial development of Hung Yen province in the association of the Northern key economic region has achieved many remarkable achievements: The formulation of planning, plans, mechanisms and policies on industrial development of Hung Yen province in the association of the Northern key economic region has been completed encouragingly; methods, the form of industrial development of Hung Yen province in linking the Northern key economic region is diverse, flexible and progressive; the industrial development results of Hung Yen province in the Northern key economic region link have many positive changes. However, compared to the goals and requirements of Hung Yen province in industrial development, there are still limitations, inadequacies, and the industrial development results of Hung Yen province in linking the Northern key economic region are not comprehensive. From assessing the current situation, pointing out the causes of achievements and limitations. In order to develop the industry of Hung Yen province in the association of the Northern key economic region in the coming time, it is necessary to focus on solving the problems raised such as: Firstly, the system of planning, mechanisms and policies for industrial development in the association of the Northern key economic region is not synchronized; lack of linkage mechanism. *Secondly, the* infrastructure system for industrial development of Hung Yen province in linking the Northern key economic region in the direction of modernization still has inadequacies and limitations. *Thirdly,* the quality of human resources, especially high-quality human resources and the application of modern science and technology in industrial development of Hung Yen province in linking the Northern key economic region has not yet met the new development requirements. *Fourth, the* competitiveness and attraction of investment resources for industrial development of Hung Yen province in linking the Northern key economic region with existing limitations and inadequacies.

5. In order to develop the industry of Hung Yen province in the link of the Northern key economic region in the coming time, achieve the objectives and requirements of the resolution, Hung Yen province needs to seize the existing opportunities, industrial development needs to be placed in the overall relationship and suitable for the whole country. the Red River Delta and the Northern key economic region. At the same time, well implement the

following views: *First, the* industrial development of Hung Yen province must be placed in the general planning of the entire Northern key economic region and the whole country. *Secondly, the* industrial development of Hung Yen province in linking the Northern key economic region must be on the basis of harmonizing the interests of localities in the region. *Thirdly,* the industrial development of Hung Yen province in linking the Northern key economic region must aim to ensure a sustainable environment, following the trend of green economy and circular economy. At the same time, well implement 05 groups of synchronous solutions such as: Completing planning, mechanisms and policies for industrial development of Hung Yen province in linking the Northern key economic region; building and completing synchronous and modern infrastructure for industrial development in Hung Yen province in linking the Northern key economic region; developing science and technology, innovate and human resources to meet the requirements of industrial development of Hung Yen province in the Northern key economic region linkage; improve the investment environment, raise PCI, attract domestic and foreign investment in industrial development of Hung Yen province in the Northern key economic region linkage; strengthen mobilization, using investment capital to promote industrial development of Hung Yen province in linking the Northern key economic region.

6. To realize the industrial development solutions of Hung Yen province in the linkage of the Northern key economic region, the author believes that the feasibility of the solutions requires attention to systematization, synchronization, timeliness and must be deployed and tested in practice.

## **THE LIST OF SCIENTIFIC WORKS PUBLISHED BY THE AUTHOR RELATED TO THE THESIS TOPIC**

1. Nguyen Xuan Phuong, Doan Xuan Phuc (2022), "Regional linkage to ensure sustainable industrial and service development in Hung Yen province", *Finance Journal*, 2nd, 4/2023 (799), pp.181 - 183.
2. Nguyen Xuan Phuong (2024), "Mobilizing resources for industrial development in Hung Yen province in linking the Northern key economic region", *Journal of Economics and Forecasting*, No. 03, February 2024 (866), pp.227 - 230.
3. Nguyen Xuan Phuong (2024), "Industrial development of Hung Yen province in the linkage of the Northern key economic region - Current situation and solutions", *Journal of e-State Management*, (ISSN e 2815-5831), June 11.