INFORMATION OF DOCTORAL DISSERTATION

Doctoral dissertation title: ***Factors affecting green growth activities of enterprises in industrial zones in Dong Nai province.***

Major: Economics, Major code: 62310101

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1. DISSERTATION SUMMARY

The dissertation assessed the current status of implementing green growth activities of enterprises in the industrial zone of Dong Nai province. To explain the reasons, the study analyzed the factors affecting the deployment of these activities from the multivariate linear regression model, with the green growth point of the enterprise (calculated as the total score for implement green growth activities) as dependent variables, and groups of independent variables are:

(1) Enterprise's perception of stakeholders' pressure: inside and outside the enterprise.

(2) Enterprise's specific variables: capital size, fields of operation, international integration.

The dissertation combined mixed research methods, using both qualitative and quantitative methods, through survey of 252 enterprises in industrial zones of Dong Nai province. Research has shown that the implementation of green growth activities is still at a small scale, related to improvements inside the enterprise. According to the diagram of the combination of sustainable production and ecological improvement, the growth activities implemented are primarily technology related, aimed at pollution control, or cleaner production. Improvements that encourage enterprise or creat a green trend of comsumption are still limited. In addition, improvement or techinicial method mainly come from small solutions to improving production efficiency.

Besides, the multivariate linear regression model has shown that there are factors under the pressure of stakeholders has an impact on the level of deployment of green growth activities of enterprise:

1. Green growth orientation;

2. Pressure from employee

3. Pressure from shareholder

4. Pressure from financial company

And the variables of specific of enterprise

5. Capital size

6. International integration

7. Industry field

This result explained the limitations in implementing green growth activities from enterprise in the industrial zone in Dong Nai province:

- Objective of enterprise basing on profit;

- Our institution still has gap for enterprise to take advatage of;

- It is necessary to have coordination from stakeholders to promote green growth, but in Vietnam, factors from consumners and competitors have not been an impact on enterprise.

- Other internal factors of enterprise (finance, human resources, product variety…)

On the basis of assessment and explanations of these causes, research proposes a system of solution to promote green growth activities of enterprises in Dong Nai's industrial zone in particular, or other enterprises in general as follows:

- Changing perception of enterprise of growth;

- Increasing efficiency, overcoming limitations in environment management of state organizations;

- Improving awareness and pressure of stakeholders toward the implementation of green growth;

- Supporting finance, technology or human resources to develop green growth of enterprise;

- Establishing ecological industrial zones.

2. THE NEW SCIENTIFIC FINDINGS

Firstly, dissertation synthesized green growth activities based on the eco-improvement approach and sustainable production in groups:

- Intergrating green growth into strategy of enterprise;

- Finding cleaner material source;

- Improving technology to reduce pollution;

- Setting target to reduce emissions and protect the environment;

- Using energy sources efficiently;

- Saving water source;

- Investing on human resources for green growth;

- Manufacturing green products and services.

Secondly, dissertation built up criteria to evaluate green growth of enterprise in industrial zones on assessing the level of implementation of green growth activities by groups of activities with 35 criteria, from 3 levels (0: not implemented; 1: considering implementation; 2: deployed). Then, authors evaluate the level of implementation of green growth activities of enterprise by total score for each criterion.

Thirdly, the dissertation explored the factors affecting the level of deploying green growth activities of the enterprise through the multivariale linear regression model. The result showed that there is an impact from the pressure of stakeholders related to deployment of green growth activities of the enterprise. Especially, there is the pressure from the Board of industrial zone management to the level of enterprise's implementation of green growth activities.

On the other hand, the study also pointed out the specific factors of the enterprise to affect green growth activities: (1) the size of capital, (2) industry fields, (3) international integration.

3. APPLICATIONS/ APPLICABILITY IN PRACTICE AND SUGGESTION FOR FURTHER STUDIES

The development of green growth assessment has been implemented by some organizations and localities, but these criteria usually mention the awareness and compiance with environmental regulations and not emphasize role and impact of the green growth implementation to enterprise's efficiency. The set of criteria in the dissertation is given on the basis of inheritance and approach with two perspectives on ecological improvement and sustainable production, contributing to solving these limitations.

Moreover, with the regression model, the research indentified the factors affecting the implementation of green growth activities, thereby proposing a system of five solutions to promote the implementation of green growth activities of enterprise. These solutions are based on science perspectives, helping policy makers to have relevant decisions.

Finally, despite many efforts, the dissertation still has limitations: quantitative data reflecting green growth have not been collected; green growth scores have the same

coefficients, weights have not been built for each group; number of survey samples is limited, so it only stóp at the regression model… This is also a suggestion for other next studies.

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