

Presenting the entrepreneurship development model in the national oil refining industry with the approach of environmental damage prevention

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Abstract

The aim of this research is to investigate the development model of entrepreneurship in the national oil refining industry with the approach of preventing environmental damage. The current research is applicable in terms of purpose, and descriptive-survey in terms of nature and method. The statistical population of this research includes employees and experts in the national industry of refining petroleum products as many as 951 people, which was considered to be 274 people using Cochran's formula. Sampling was done by cluster random sampling. The collection tool in this research includes a researcher-made questionnaire derived from the qualitative method. The variable of entrepreneurial development includes 4 dimensions of innovation, risk-taking, pioneering and aggressive competition, and the variable of entrepreneurial development includes 3 dimensions of human orientation, environment orientation, and general indifference. The reliability of the research was checked and confirmed using Cronbach's alpha criterion in SPSS software. AMOS software was used to fit the conceptual model of the research. The findings of the research showed that there is a positive and significant effect between the components and dimensions of entrepreneurship development in the national oil refining industry with the approach of preventing environmental damage, and the model has a good fit.

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Extended Abstract

Introduction

During the past few years, governments have seriously encouraged entrepreneurship because it benefits the people and the country. People, before starting a business, must have technology capital, necessary facilities to produce goods, suitable workforce, suitable spirit and balanced psychological conditions for success in entrepreneurship. Knowing the needs of entrepreneurs and businesses that need support, it seems that the government is in the best position to determine policy and design programs aimed at encouraging entrepreneurship. The government can cause entrepreneurship through policy implementation in ministries and institutions (Sharifzade et al, 2016). In today's world, the development of entrepreneurship has become a key policy and entrepreneurship has become the most strategic and economic tool of advanced societies. Economic growth and development of countries depends on entrepreneurs and entrepreneurial activities. Therefore, the development of entrepreneurship is necessary to achieve economic development and progress of countries (Zali & Razavi, 2016). Thus, developing entrepreneurship and promoting entrepreneurial culture in the country is a serious economic, social and political necessity (Gholipor et al, 2020). Innovations created by entrepreneurs are strategic factors in economic development and key factors in the business cycle. However, existing evidence shows that growth does not go hand in hand with nature conservation and there is an increasing need for environmental responsibility in entrepreneurship or, in the other word, environmental entrepreneurship (Shirkhani & Karimi, 2018). Therefore, the researcher is trying to answer the question: what is the presentation of the entrepreneurial development model in the national oil refining industry with the approach of preventing environmental damage?

Theoretical Framework

Entrepreneurship Development

The development of entrepreneurship as a macro strategy in a society requires increasing or improving perceptions, tendencies and entrepreneurial behavior at all individual, team, organizational, industry, etc. levels; especially at the national level. In recent years, many countries have put the development of entrepreneurship and entrepreneurial activities on their agenda. But the answer to the question why in some countries, entrepreneurial perceptions, tendencies and behaviors are more than others, is rooted in the important social, cultural and economic factors of society, including national values and culture, government policies and programs, education system, legal institutions, innovation system, financial markets and labor market flexibility (Enayati et al, 2015).

Environmental damage

The concept of vulnerability is often used in social sciences and there is no agreement on the definition of vulnerability in environmental sciences. Anyway, the concept of environmental vulnerability usually includes biophysical, social and economic aspects. Biophysical factors include geological, geographical and climatic factors; and socio-economic aspects include the inherent resistance of the system to damage, and adaptive capacity (Denner et al, 2015).

Zare et al, (2023) investigated the identification of factors affecting the weakening of entrepreneurship in university graduates of Payam Noor universities in Tehran province. The output of the research is to emphasize the strengthening of four variables, including the individual and personal capabilities and qualifications of the graduates, strengthening the educational elements related to the development of entrepreneurship in the university, strengthening the government's support conditions (facilitation, support and encouragement), and finally intervention in the six effective environments on academic entrepreneurship.

Sarafzari et al, (2022) investigated the impact of green innovation on green organizational entrepreneurship. The results of this analysis showed that green innovation has a significant effect on green organizational entrepreneurship in the industry, mining and trade organization of Fars province. Green managerial innovation has a significant effect on green organizational entrepreneurship in the industry, mining and trade organization of Fars province. Green product innovation has a significant impact on green organizational entrepreneurship in Fars province industry, mining and trade organization.

Research methodology

The current research is applicable in terms of purpose, and descriptive-survey in terms of nature and method. The statistical population of this research includes employees and experts in the national industry of refining petroleum products as many as 951 people, which was considered to be 274 people using Cochran's formula. Sampling was done by cluster random sampling. The collection tool in this research includes a researcher-made questionnaire derived from the qualitative method. The variable of entrepreneurial development includes 4 dimensions of innovation, risk-taking, pioneering and aggressive competition, and the variable of entrepreneurial development includes 3 dimensions of human orientation, environment orientation, and general indifference. The reliability of the research was checked and confirmed using Cronbach's alpha criterion in SPSS software.

Research findings

AMOS software was used to fit the conceptual model of the research. The findings of the research showed that there is a positive and significant effect between the components and dimensions of entrepreneurship development in the national oil refining industry with the approach of preventing environmental damage, and the model has a good fit.

Conclusion

The current research was conducted with the aim of presenting the entrepreneurship development model in the national oil refining industry with the approach of preventing environmental damage. The results of this research are consistent with the results of Zare et al, (2023), Sarafzari et al, (2022), Fatemi (2022), Mahmudi Khamiri Pur et al, (2022), Daneshniya et al, (2021), Keikha & Purkarimi (2021), Yarmohammadi & Mahmudi Kordi (2020), Sanaeepour & Jafari Moghaddam (2020), and (Ranjbar & Heydari (2017). Daneshniya et al, (2021) showed that a total of 27 main concepts can be expressed as obstacles to the development of entrepreneurship in Iran; so that 10 concepts of political environment, cultural, legal, educational, technology, government structure, macroeconomic, financial environment, geographical environment and production structure are causal conditions categorized with two categories of institutional and economic factors. 7 concepts of efficiency, opportunism, creativity, risk-taking, need for success, desire for independence, and power-seeking of entrepreneurs were identified with the category of entrepreneurs' characteristics and the background conditions of lack of entrepreneurship development. In addition, 7 concepts of creating a legal framework, drawing special policies, developing infrastructure, creating culture, providing special services, connecting with industry and financial aid, with the category of the role of the government, and as the intervening conditions of the lack of entrepreneurship development; and finally, 3 concepts of reducing economic growth, increase in poverty and income inequality, and decrease in employment rate are the consequences of lack of development of entrepreneurship in Iran. The current research has a good capability in terms of the number of identified factors.

According to the present research, the following suggestions are presented:

- 1) Holding in-service trainings in the form of various workshops in order to teach managers to prevent environmental damage.
- 2) Managers and assistants should be fully informed about the development of entrepreneurship in the national oil refining industry with the approach of preventing environmental damage and most of them should be taken into consideration.
- 3) Paying attention to managers' managerial abilities by providing continuous evaluation research workshops.