Accounting Benefits for Enterprise Resource Planning System (ERP)

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Abstract:
The objective of the study is to assess the accounting benefits achieved after implementing an enterprise resource planning (ERP) system. Research results in Vietnamese enterprises show that the ERP system has a positive impact on the accounting interests of enterprises. Therefore, the study proposes implications to improve implementation efficiency and accounting benefits.

Keywords: Accounting interests, ERP

1. Introduction
ERP (Enterprise Resource Planning) first appeared in the late 1980s and early 1990s with the power of coordination and functional benefit integration across the enterprise. Based on the technology foundation of MRP and MRP II, ERP SYSTEMs are capable of integrating business processes including manufacturing, distribution, accounting, finance, human resources, project management, control inventory, service and maintenance; and provide accessibility, visibility, and consistency across the enterprise.

When implementing ERP SYSTEM, the purpose of businesses is to get many BENEFITS from this SYSTEM, including accounting BENEFITS, to dominate in a volatile business environment. In particular, accounting BENEFITS is an issue that cannot be ignored, because the heart of ERP is ACCOUNTING INFORMATION SYSTEM. Enterprises can deploy ERP systems to integrate all their business activities or only integrate a few modules, depending on financial conditions and the level of IT application in enterprises. But no matter how much ERP is deployed, the accounting module is a compulsory one to be integrated in the ERP system of enterprises. Therefore, the research on accounting BENEFITS in the ERP system will be of great help to businesses in the implementation and use of the ERP SYSTEM.

In Vietnam, many large companies and corporations have implemented ERP SYSTEM for a long time such as: MWG (Mobile World Corporation - Mobile World Corporation), Vinamilk or Dong Nai Port Joint Stock Company ... Foreign Except for a number of large enterprises, most of our country's enterprises are small and medium enterprises, in the period 2012-2017 in the total number of Vietnamese enterprises, small and medium enterprises account for 98.1% (Source: General Statistics Office). Although resources are limited, medium-sized enterprises in Vietnam are currently focusing on the ability to implement solutions such as ERP because the ERP system is considered to enhance the ability to manage and make decisions for businesses, regardless of scale, helping businesses survive and develop. Most of the ERP solutions chosen by these companies are ERP solutions from Vietnamese suppliers, medium-sized enterprises often use packaged ERP, for the advantage of cost and implementation. Based on the report published by the Ministry of Industry and Trade, the percentage of enterprises using ERP in Vietnam was 17% in 2014. When compared to developed countries, this rate is still low and the level of ERP application in Vietnam. Men are only at a basic level (Le MD, 2017).

Currently, most businesses focus on the time of ERP implementation, the time after which is often rarely mentioned. Meanwhile, the post-implementation period of the ERP system is the time that can enhances the ability to manage and make decisions for businesses. Regardless of time, helping businesses survive and develop. Most of the ERP solutions chosen by these companies are ERP solutions from Vietnamese suppliers, medium-sized enterprises often use packaged ERP, for the advantage of cost and implementation. Based on the report published by the Ministry of Industry and Trade, the percentage of enterprises using ERP in Vietnam was 17% in 2014. When compared to developed countries, this rate is still low and the level of ERP application in Vietnam. Men are only at a basic level (Le MD, 2017).

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system to businesses (the author wants to aim towards accounting BENEFITS) to maintain the maintain and ēnhańgịn cūrue these BENEFITS.

The field of ERP researching has been researched by many researchers around the world for many years. In Vietnam, ERP researches are few, most of which are general researches on ERP. During the past 5 years in our country, the number of researches in the field of ERP in the direction of accounting has inżiên cūrueased, accounting for mainly doctoral studies and master theses.

Based on an overview of finanżiên cūrual benefits, researchers around the world often present accounting BENEFITS in the overall BENEFITS that enterprises receive from the ERP system, the number of authors focusing on accounting BENEFITS is very small. Researchers on accounting BENEFITS in the world have just considered the factor accounting BENEFITS at the time of implementing the SYSTEM or looking for a way to measure accounting BENEFITS in the ERP system in enterprises, or see consider it in inżiên cūrui ng other dependent factors. Also in Vietnam, there have also appeared a number of researches that mentioned the BENEFITS of accounting in the ERP system. However, the researches in our country are similar to the ones in the world that do not focus on the factor accounting BENEFITS but consider it as an independent factor affecting some other dependent factors such as: results of employees working in the ERP SYSTEM (Pham Tra Lam, 2018); or reactive capacity of enterprises, business performanžiên cūrue (Bui Quang Hung, 2019) ... and researchers in Vietnam often do not pay attention to the life cycle stages of ERP when researching problems of This system.

Interesting directly towards NGHIÊN CƯU of the study, in the International Journal of ACCOUNTING INFORMATION SYSTEM in 2013 there is an NGHIÊN CƯU “Accounting benefits and satisfaction in the ERP system” by two authors Kanellou and Spathis. However, the findings of this research are only showing the accounting BENEFITS that enterprises receive when implementing ERP, classifying these accounting BENEFITS, finding out in the ERP system the inżiên cūrue of accounting BENEFITS to the user satisfaction is like, but not learn the opposite. At the same time, the analytical unit of this research is an individual unit that has not yet studied the organizational unit. Another article presented in the Journal of enterprise management in 2006, titled "The implementation of the ERP system and accounting benefits" by Spathis has found out the factors that inżiên cūrue the ERP implementation is: the reasons for the implementation, the total number of ERP modules, the cost of the SYSTEM implementation as a percentage of the company's revenue and total assets. But in the post-system implementation period, when the ERP system is in operation, what will the accounting BENEFITS be governed by? This is a very interesting issue.

2. Literature review

Foreign studies on the benefits that ERP system brings to businesses and for corporate accountants

Many researches using qualitative and quantitative approaches have tried to point out the BENEFITS that businesses get from the ERP system, inżiên cūruling tangible and intangible BENEFITS. From an accounting perspective, the accounting BENEFITS is the direction of research that has not been paid much attention, most of the researches are aimed at clarifying the benefits of ERP systems that bring positive changes to accounting practices. Is the role of accountant different? Basically, the foreign researches on the BENEFITS that the ERP system brings to the enterprise and for the accounting in the enterprise consists of 2 main groups of researches (1) The researches on the BENEFITS that the ERP system brings to the enterprise and (2 ) Researches on the BENEFITS OF ERP SYSTEM for accounting in enterprises. Because the research direction of the study is the accounting BENEFITS in the ERP system, the research group No. 2 will be the research group where the author focuses on overview of related interest studies.

(1) Researches on the BENEFITS that the ERP system brings to businesses

The studies on the BENEFITS that the ERP system brings to businesses are summarized in appendix 1. Derived from Shang & Seddon's (2002), using a qualitative approach, a scale of BENEFITS received by businesses. Enterprise System (ES - Enterprise System) is found inżiên cūruling 5 aspects: operations, management, strategy, IT infrastructure and organization. The studies then went into depth to explore these BENEFITS dimensions as well as the problems that Shang & Seddon (2002) scale has not found.

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Also by qualitative research method, Kenneth E Murphy & Steven John Simon (2002) showed that businesses will receive some intangible BENEFITS from current ERP such as: improving internal capabilities, enhancing ability to meet requirements, customer demand. And in the future such as: improving corporate vision, improving adaptability. Or Lorraine Staehr (2007), by trading in a semi-structured way with 28 leaders in enterprises, overview of internal interests and public centers of 4 manufacturing companies in Australia, thereby improving the ladder. MEASURING THE BENEFITS OF ERP SYSTEM based on NGHIỂN CÚU of Shang and Seddon (2000). Meanwhile, some other authors have checked the visible and invisible BENEFITS that ERP system brings to businesses such as Khaled Al-Fawaz, Zahran Al-Salti and Tillal Eldabi (2008), or introduce a template to investigate the BENEFITS and changes in the business of the ERP SYSTEM (Petra Schubert and Susan P. Will Benefitams, 2009), providing a roadmap to help the BENEFITS from the ERP system can be implemented in DN (Jose Esteves, 2009).

In addition to the qualitative approach, some researches have approached quantitatively, surveyed with large samples, in order to find out the full BENEFITS of enterprises from the ERP system: Holsapple and Sena (2003), Ollhager and Selldin. (2003), Andreas I. Nicolaou (2004) or a combination of both qualitative - quantitative as Hawking, Stein and Foster (2004) to get the most accurate results. These studies show that, in addition to the BENEFITS found out, the BENEFITS businesses will receive from the ERP system inghién cữulude: BENEFITS in decision support, financiagnostic cührual control, inghién cührueased time for analysis…. Along with that, the researchers also pointed out that there is an association between ERP BENEFITS and business lines, ERP implementation and long-term financiagnostic cührual performançhiêu.

(2) Researches on the BENEFITS OF ERP SYSTEM for accounting in enterprises

The researches to consider the BENEFITS of the ERP system to the accountants in the enterprise inghién cühruluđ: (a) looking for specific accounting BENEFITS that the ERP system brings to the enterprise, (b) finding out when the ERP system THE ERP system is put into operation in the enterprise, does it bring a positive change in accounting practices such as leading to advanghiến cührued management accounting methods used in the enterprise or the accountant in the ERP? change or not ?.

There have been some RESEARCHs to learn about accounting BENEFITS in the ERP system before Kanellou and Spatis (2013). However, these RESEARCH have only discovered specific accounting BENEFITS, but have not built a perfect scale of accounting BENEFITS like Kanellou and Spatis (2013). Some typical RESEARCHs such as Spatis and Constantinides (2004) have pointed out some important BENEFITS that ERP system brings to enterprise accountants such as: Enterprise accounting center will enhance the ability to benefit activities, applications. Accountants will improve integration capabilities, improve the quality and timing of accounting reports and improve the timeliness and reliability of the quality of accounting information in enterprises. Or the implementation of ERP will help improve the ability to develop financial resources, improve asset management, reduce the time to publish reports such as financial statements at businesses and improve the quality of reports. this report (Spatis and Ananiadis, 2005); Financial reporting improves accuracy, and employee monitoring and supervision are enhanced (Colmenares, 2009) .... Most of the RESEARCH in this group follows quantitative or mixed PP.

However, the results of the change in accounting practices affected by ERP are not really clear. Many RESEARCHs have shown that the implementation of integrated systems such as ERP does not cause any changes to accounting practices, such as leading to advanced management accounting methods used in enterprises. : Booth et al (2000), Granlund and Malmi (2002), Hyvonen (2003), Despina Galani et al (2010). On the contrary, many other RESEARCHs have shown that integrated information systems such as ERP have adjustments to the management accounting in reality of operations in enterprises (Rom and Rohde, 2006; Granlund, 2011); Implementing enterprise systems (such as ERP) will change financial accounting, management accounting, auditing and ACCOUNTING INFORMATION SYSTEM (Steve G. Sutton, 2006); In an integrated information system like ERP, the culture of management accounting has had a lot of changes in the actual operation (Järvenpää, 2007); The implementation of the ERP system will bring about changes in the practice of accounting activities (Grabski et al., 2011); Or the ERP system will improve the standard and quality of management reporting (Solmaz Abbasi et al., 2014) .... Therefore, it can be seen that the ERP SYSTEM and
the practice of accounting operations (as used Advanced management accounting methods) have interrelated interests, but there is insufficient evidence to conclude their degree of correlation (Aernoudts et al, 2005).

Regarding the role of an accountant in the ERP system, all RESEARCHes confirm that the implementation of ERP will make the accountant adjustments to their roles. The relationship between accountants and the ERP system is getting closer and closer (Mike Newman and Chris Westrup, 2005). Accountants have shown a change in their work due to the implementation of ERP, from the traditional role (focusing on accounting activities) to a higher role, which is to put the accountant in the position of a private expert. and analysts (Scapens and Jazayeri, 2003). However, the accounting position is different, the change will be different. In which, the biggest change is in management accounting and internal control. Financial accounting does not affect its function much (Hsueh-Ju Chen et al., 2011). Cagluco (2003) also suggested that the use of ERP system will lead to the emergence of a new position of hybrid accounting - a mixed position between accounting and other professional professions. In the ERP system, in addition to professional knowledge, understanding of business and organizational processes, management accountants also need to have other capabilities to match the work needs as they need to have the ability to communicate to solve problems. like analysis results for senior leaders in enterprises, influencing and convincing senior leaders as well as IT skills to make best use of ERP (Heba El Sayed, 2006). RESEARCH of this group is mainly done using qualitative methods.

Foreign studies on the factors affecting accounting benefits that the ERP system brings to businesses
Foreign RESEARCHes often discuss the issue of general accounting BENEFITS in RESEARCHes on BENEFITS that ERP brings to enterprises. Therefore, in this section, in addition to the RESEARCHes that directly consider accounting BENEFITS in the ERP system will be affected by the factors, RESEARCHes about the factors affecting enterprise BENEFITS in the SYSTEM ERP; Factors affecting efficiency, the value ERP brings to businesses, or factors affecting ACCOUNTING INFORMATION SYSTEM in ERP will also be discussed. Because factors affecting these are likely to affect accounting BENEFITS in the ERP SYSTEM. This is appropriate because the efficiency, the higher the ERP value, the more BENEFITS that ERP brings to businesses; Or accounting BENEFITS is part of the overall BENEFITS that the ERP system brings to businesses; And accounting BENEFITS comes from ACCOUNTING INFORMATION SYSTEM in the ERP system, so the factors that affect these issues will have the ability to affect the accounting BENEFITS of the ERP system bring to the enterprise. The RESEARCH stage that I want to explore is the post-implementation period, so most of the RESEARCHes reviewed in this section are at this time but some of the RESEARCHes at implementation time will also presented because they will likely continue to show their influence around the post-rollout period.

RESEARCH on factors affecting accounting BENEFITS that ERP SYSTEM brings to businesses. Based on the overview, the author found that these RESEARCHes focus on the following four factors:


1.2.2.1 Researches on the quality factor ERP
The implementation of ERP system has brought about big changes in the application of IT and technology to solve business problems at enterprises. Many BENEFITS ERP provides businesses including accounting BENEFITS outperformed traditional information systems which are judged by the benefits of data processing and excellent TT provision of ERP. Therefore, the factor of ERP quality has been studied by many studies to clarify whether it affects the BENEFITS that businesses get from the ERP SYSTEM or not? According to Benefits Hsiu-Fen (2010), ERP quality includes the quality of the ERP system and the quality of information provided by the ERP SYSTEM.

At the time of implementing ERP system, the characteristics of ERP system are the factors that RESEARCHERS often consider. Because in this period, the ERP SYSTEM is not in operation, so it is impossible to measure the quality of ERP. Many RESEARCHs often consider the harmony in the association between the ERP system and the organizational factor as the factor that ensures the successful implementation of the ERP system, further deepening that is the characteristics of the ERP software. It is the most important thing that the enterprise's selection and characteristics are compatible with each other, especially with the current business processes that the enterprise is implementing is the most important thing (Majed Al-Mashari et al., 2003). The more compatible the ERP software features and the characteristics of the enterprise, the better the ERP implementation will be ensured, from there it will bring benefits to businesses. About the BENEFITS of the ERP accounting system to businesses, Spathis (2006) discovered the BENEFITS that ERP brought to the accountants during the implementation of the ERP system, subject to the adjustment of 4 factors, including: reasons for implementing ERP, total SYSTEM modules, cost of the SYSTEM implementation as a percentage of sales, and total assets of the enterprise. It can be seen that the ERP quality factor in this RESEARCH is represented by the number of SYSTEM modules. The higher the number of SYSTEM modules, the higher the integration level in the business processes of the enterprise, the higher the accounting BENEFITS in the ERP system. Oana Velcu (2007) pointed out in an exploratory STUDY that the BENEFITS that ERP brings to enterprises implementing ERP because the motivation for the quality of the information system (technical engine) is different when compared to enterprises implement ERP for business motivation, because the characteristics of ERP systems deployed in two cases are different. Thus, the characteristics of the ERP SYSTEM is a factor that is adjusted to the BENEFITS OF THE ERP SYSTEM, which provides enterprises the time to implement the SYSTEM including accounting BENEFITS.

- At the time of using and maintaining the SYSTEM, ERP quality barriers that prevent businesses from achieving the desired ERP BENEFITS include: Poor implementation process and reporting quality, The SYSTEM resources are inadequate, the software functionality is poor, the software lacks support, the application management of the software is poor, the ability to perform the upgrade of the software is poor (Hawking et al., 2004 ) or some of the benefit data cannot be included in the ERP, and from time to time the ERP SYSTEM may malfunction (Henri Teittinen et al., 2013).

Benefits Hsiu-Fen (2010) using a quantitative approach with the SEM benefit data processing tool has shown that the ERP quality including the system quality and the quality of the imagery affect the perception of usefulness. In addition, the quality of the SYSTEM has an impact on user satisfaction. From there, the two dependent variables above will have an adjustment to the use of ERP. In summary, through the STUDY of Hsuf-Fen Benefits ERP quality has an indirect influence on the use of ERP through two factors of perception of the usefulness and satisfaction of users.

Two RESEARCHes by Jiwat Ram et al (2013) together with Young Mok Haa and Hyung Jun Ahn (2014) confirmed that integrating ERP into business processes will impact ERP efficiency in the post-implementation period. Meanwhile, Shih-Wei Chou and Yu-Chieh Chang (2008) pointed out that customizing the ERP system according to the enterprise's characteristics will affect the BENEFITS of ERP that enterprises have post-implementation period. This shows that the implementation and refinement of ERP to meet the needs of businesses will not only affect the BENEFITS that ERP brings to businesses during the ERP implementation period, but also the BENEFITS in the period of time, post-deployment.

The value and effectiveness of ERP in the post-implementation period will be governed by the technological capacity of the ERP (the ability of the system quality to solve problems in business operations at
the enterprise and the quality of the business center. from the ERP system in response to this) (Edith Galy and Mary Jane Sauceda (2014), Pedro Ruivo et al (2014)).

In a nutshell, through the RESEARCH of the relevant benefits, it is possible to realize that the ERP quality factor has an impact on the BENEFITS ERP gives enterprises post-implementation time. Because the research direction of benefit research relates to accounting BENEFITS, the ERP Quality will include the quality of the ERP SYSTEM and the quality of the accounting information provided by the ERP SYSTEM.

3. Research Methods
RESEARCH method implemented by the author is a combination between qualitative RESEARCH method and quantitative RESEARCH method. “Qualitative is the method used by RESEARCHERS to discover scientific phenomena that need RESEARCH. Next, use quantitative to confirm qualitative results. For example, we use qualitative methods to build hypotheses (theory). Then, use quantitative methods to test them ”(Nguyen Dinh Tho, 2014, p. 185).

A specific RESEARCH process is carried out in two steps RESEARCH of the subject: (1) preliminary RESEARCH and (2) official RESEARCH as follows:

(1) At the stage of preliminary RESEARCH, PP qualifies overview of domestic and international ERP RESEARCHes, together with the background theories to form a STUDY model of factors affecting BENEFITS accounting ERP system bring to Vietnamese enterprises in the post-implementation period and scale the RESEARCH factors; These are then refined and supplemented through expert group discussion techniques. The number of participants is 9 people, including experts (1) lecturers teaching ERP, (2) experts in the enterprise providing ERP SYSTEM, (3) chief accountant or director at the enterprise. operating the ERP SYSTEM. These are people who have solid ERP expertise or have a lot of experience using ERP in practice. From here, the author has the first draft scale. Next, the author will conduct hand-to-hand interviews with chief accountants of about 10 companies that have operated the ERP SYSTEM for 1 to 3 years to complete the final draft scale.

The next step in the preliminary RESEARCH, the author uses quantitative methods to preliminary investigate, evaluate the scale to ensure reliability, scale value before conducting official RESEARCH. Quantitative method is applied in this step, through 2 verification steps, namely Cronbach Alpha and EFA using SPSS software. Regarding the sample size, quantitative preliminary STUDY uses a sample size of about 100 Vietnamese enterprises that have operated the ERP SYSTEM for 1 to 3 years according to the sampling method which does not follow the probability that the seed development method.

(2) Finally, the official RESEARCH step, quantitative PP is implemented with a sample size of about 300 Vietnamese enterprises that have operated ERP SYSTEM for 1 to 3 years according to the sampling method not according to the probability that the development method (Nguyen Dinh Tho and Nguyen Thi Mai Trang, 2011), to re-evaluate the measurement model, the structural model, the hypotheses made through the CFA and (SEM) tests by software. AMOS.

The sample size selected in the official quantitative preliminary STUDY and the official STUDY is 100 and 300 which satisfies the sample conditions for carrying out the tests (See chapter 3). Because it is difficult to accurately identify the enterprises using ERP in Vietnam, the author applies the sampling method not according to the probability that the seed development method. “Quantitative PP often requires large samples and is often selected using the probabilistic method to be representative of the crowd to be studied. However, non-probabilistic sampling is also commonly used in quantitative STUDY …. A theory has been tested with a sample that is not probabilistic and has not been rejected by the data of its benefits. This test still contributes to the evaluation of that theory (ie the RESEARCH result is still valid, of course not equal if the sample is selected randomly)”(Nguyen Dinh Tho, 2014, p. 150).

4. Result
Table 1. Regression estimation results

<table>
<thead>
<tr>
<th></th>
<th>Estimate</th>
<th>S.E</th>
<th>C.R</th>
<th>P</th>
<th>Hy</th>
</tr>
</thead>
<tbody>
<tr>
<td>HL</td>
<td>0.216</td>
<td>0.058</td>
<td>3.734</td>
<td>***</td>
<td>H2</td>
</tr>
<tr>
<td>HL</td>
<td>0.155</td>
<td>0.051</td>
<td>3.023</td>
<td>0.003</td>
<td>H1</td>
</tr>
<tr>
<td>HL</td>
<td>0.383</td>
<td>0.062</td>
<td>6.184</td>
<td>***</td>
<td>H3</td>
</tr>
<tr>
<td>HL</td>
<td>0.155</td>
<td>0.054</td>
<td>2.881</td>
<td>0.004</td>
<td>H8</td>
</tr>
<tr>
<td>HL</td>
<td>0.133</td>
<td>0.053</td>
<td>2.494</td>
<td>0.013</td>
<td>H6</td>
</tr>
<tr>
<td>HL</td>
<td>0.152</td>
<td>0.071</td>
<td>2.151</td>
<td>0.031</td>
<td>H4</td>
</tr>
<tr>
<td>HL</td>
<td>0.129</td>
<td>0.047</td>
<td>2.751</td>
<td>0.006</td>
<td>H5</td>
</tr>
<tr>
<td>HL</td>
<td>0.114</td>
<td>0.059</td>
<td>1.919</td>
<td>0.055</td>
<td>H7</td>
</tr>
</tbody>
</table>

*** = 0.000

system variable (quality of ERP SYSTEM), TT (quality of accounting information), service (quality of service of enterprises providing ERP solutions) impact HL (user satisfaction in ERP SYSTEM) in the same direction have statistical significance (P-value <= 0.05).

Variable KD (Completion of business processes at the enterprise), QL (The continuation of the support of senior leaders), SYSTEM (ERP SYSTEM quality), HL (User satisfaction in the ERP SYSTEM ), TT (quality of accounting information) affects BENEFITS (BENEFITS accounting in the ERP system) in the same direction, has statistical significance (P-value <= 0.05).

Reject hypothesis H7 (P-value > 0.05). Service (QoS of enterprises providing ERP solutions) does not affect BENEFITS (BENEFITS accounting in the ERP system).

Conclusion: Except for hypothesis H7, the remaining eight hypotheses are consistent.

Table 2 The degree of direct impact of factors on accounting BENEFITS

<table>
<thead>
<tr>
<th></th>
<th>Beta</th>
<th>%</th>
<th>Ranking</th>
</tr>
</thead>
<tbody>
<tr>
<td>LỢI ÍCH</td>
<td>KD</td>
<td>0.190</td>
<td>25.03</td>
</tr>
<tr>
<td>LỢI ÍCH</td>
<td>QL</td>
<td>0.155</td>
<td>20.42</td>
</tr>
<tr>
<td>LỢI ÍCH</td>
<td>HỆ THỐNG</td>
<td>0.133</td>
<td>17.52</td>
</tr>
<tr>
<td>LỢI ÍCH</td>
<td>HL</td>
<td>0.152</td>
<td>20.03</td>
</tr>
<tr>
<td>LỢI ÍCH</td>
<td>TT</td>
<td>0.129</td>
<td>17</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>0.759</td>
<td>100</td>
</tr>
</tbody>
</table>

Table 2 Direct and indirect effects of factors

<table>
<thead>
<tr>
<th></th>
<th>P</th>
<th>Direct</th>
<th>Indirect</th>
<th>Explain</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>HL</td>
<td>***</td>
<td>0.216</td>
<td>0.000</td>
<td></td>
<td>0.216</td>
</tr>
<tr>
<td>HL</td>
<td>0.003</td>
<td>0.155</td>
<td>0.000</td>
<td></td>
<td>0.155</td>
</tr>
<tr>
<td>HL</td>
<td>***</td>
<td>0.383</td>
<td>0.000</td>
<td></td>
<td>0.383</td>
</tr>
<tr>
<td>LỢI ÍCH</td>
<td>HL</td>
<td>0.031</td>
<td>0.152</td>
<td>0.000</td>
<td>0.152</td>
</tr>
<tr>
<td>LỢI ÍCH</td>
<td>HỆ THỐNG</td>
<td>0.013</td>
<td>0.133</td>
<td>0.033</td>
<td>HỆ THỐNG→HL→LỢI ÍCH (0.216 x 0.152)</td>
</tr>
<tr>
<td>LỢI ÍCH</td>
<td>TT</td>
<td>0.006</td>
<td>0.129</td>
<td>0.023</td>
<td>TT→HL→LỢI ÍCH (0.155 x 0.152)</td>
</tr>
<tr>
<td>LỢI ÍCH</td>
<td>DV</td>
<td>0.055</td>
<td>0.114</td>
<td>0.06</td>
<td>DV→HL→LỢI ÍCH (0.383 x 0.152)</td>
</tr>
</tbody>
</table>

Note: *** = 0.000

(Source: self-compiled by the author)

In Table 4.9, using PATH analysis, where the direct effect is the regression coefficient between the independent variable and the dependent variable in the STUDY model, the indirect effect is the effect of the independent variable. through the intermediate variable to the dependent variable and is calculated by multiplying the coefficients of the variables on the same path. "The correlation coefficient between two variables is equal to the regression weight (direct relation) between them plus the product of all the indirect relationships between them" (Nguyen Dinh Tho, 2014, p. 584).
Table 3. Total impact of the factors on accounting BENEFITS

<table>
<thead>
<tr>
<th></th>
<th>P</th>
<th>Direct</th>
<th>Indirect</th>
<th>Explain</th>
<th>%</th>
<th>Ranking</th>
</tr>
</thead>
<tbody>
<tr>
<td>LỢI ICH</td>
<td>KD</td>
<td>0.002</td>
<td>0.190</td>
<td>0.000</td>
<td>0.190</td>
<td>21.71</td>
</tr>
<tr>
<td>LỢI ICH</td>
<td>QL</td>
<td>0.004</td>
<td>0.155</td>
<td>0.000</td>
<td>0.155</td>
<td>17.71</td>
</tr>
<tr>
<td>LỢI ICH</td>
<td>HE THỐNG</td>
<td>0.013</td>
<td>0.133</td>
<td>0.033</td>
<td>0.166</td>
<td>18.97</td>
</tr>
<tr>
<td>LỢI ICH</td>
<td>HL</td>
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<td>0.152</td>
<td>0.000</td>
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<tr>
<td>LỢI ICH</td>
<td>TT</td>
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<tr>
<td>LỢI ICH</td>
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<td>Không tác động</td>
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<tr>
<td>Tổng</td>
<td></td>
<td>0.759</td>
<td>0.056</td>
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</table>

Considering the total impact level, in the post-implementation period, the perfection of business processes in enterprises still has the strongest impact on accounting BENEFITS in the ERP SYSTEM (21.71%). But the continued top management support fell to third place (17.71%). In the post-implementation period, the total impact of the ERP system's quality on the accounting BENEFITS in the ERP system is in second place (18.97%). User satisfaction in the ERP system and the quality of accounting information have the same impact on the dependent factor (17.37%) and ranked 4th. The service quality of the ERP solution provider only has an indirect impact on the accounting BENEFITS in the ERP system through the satisfaction of users in the ERP system should have the lowest impact level (6.87%).

Discussing the research results of the study with ERP experts, all experts evaluated the research findings as appropriate to the actual conditions of the time after implementing the ERP system at businesses in our country. Accounting in the ERP system differs from accounting in the traditional information system that accounting is no longer the starting point but the continuation point of a chain of processes in the enterprise to create TT, accounting accounting. No longer just start in the accounting department, but can start right away in the activity generation department. The way of accounting entries, in addition to the reciprocal relations as before, there are also other intermediate entries, in order to record professional operations in the production and business process into the SYSTEM. Therefore, business processes need to be built to fully cover all activities at the enterprise, so that the accounting is effective, thereby helping enterprises to achieve the accounting BENEFITS that the ERP system brings. back to DN. Although business processes at the enterprise were established during the implementation of the ERP system, but in the post-implementation period, the completion of business processes plays a very important role. Because of the enormous nature of the ERP system, there will be gaps in the system implementation time, it is necessary to make corrections to those issues in the post-implementation period. At the same time, changes in production and business activities in enterprises will be associated with the adjustment and completion of business processes to suit those changes. Because the benefits are directly related to the accounting activities, the completion of business processes at the post-deployment stage has the strongest impact on accounting BENEFITS in the ERP SYSTEM is completely reasonable.

5. Conclusion

The use of ERP SYSTEM in recent years has brought Vietnamese enterprises a great advantage in shortening the gap in capacity to control resources, make decisions, and complete business processes, and improve their competitiveness compared to international enterprises and corporations. INTEREST BENEFITS Our country's enterprises receive from the ERP system are diverse such as: INTERESTED BENEFITS in terms of decision making, intangible BENEFITS, tangible BENEFITS ... In which, it is impossible not to mention accounting BENEFITS that Vietnamese businesses have when implementing ERP SYSTEM. Basically, the accounting BENEFITS of Vietnamese enterprises from the ERP system are similar to those in the world, although most enterprises in our country often only deploy the ERP SYSTEM partly because enterprises in our country host The weak point is that the medium-sized enterprises are limited in terms of manpower and budget when implementing systems that require a lot of business resources such as ERP systems.
However, most businesses in our country only focus on the initial ERP implementation period, but often ignore the problems in the post-implementation period. Meanwhile, the post-implementation period is the time that can enhance or decrease the BENEFITS received by the enterprise from the ERP system in general and the accounting BENEFITS that businesses receive from the ERP SYSTEM in particular. how successful the early stage was. In many companies, after having been operating the ERP system for a few years, the success at the initial implementation period did not help maintain the BENEFITS that businesses need in the ERP system after the time of implementation.

Therefore, what the research finds, besides the academic implications, helps to complete the missing problems in ERP RESEARCH, also contributes to bring practical meaning, helps the Enterprises realize how to implement, maintain, and enhance the accounting BENEFITS that enterprises get from the ERP system, not only when implementing the SYSTEM but also after the implementation, when the system is STAT has been operating for a while.

References


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