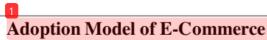
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Adoption Model of E-Commerce from SMEs Perspective in Developing Country Evidence – Case Study for Indonesia

Agus David Ramdansyah¹, H.E.R. Taufik¹

Abstract:

The number of Indonesia people using internet have increased due to advances in information technology, and the activity of electronic commerce (E-Commerce) is increasingly growing. This is a huge potential market for businesses including for SMEs.

However, there are only a few Small and Medium Enterprises (SMEs) in Indonesia which have adopted E-Commerce. In fact, they are one important part of the economy in Indonesia. On the other hand, technological advances have made the competition tougher for SMEs. To und 35 and perspective of E-Commerce from SMEs side, this study aims to find out what are the factors that support SMEs to adopt E-Commerce and the effect of the adoption to SMEs' performance.

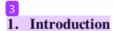
This research discusses the adoption of E-Commerce by Indonesia SMEs and performance improvement as the effect of the adoption. The problems in this research are elaborated into research questions, i.e. do compatibility, top management support, organizational readiness, perceived benefits and external drive have significant positive effect to E-Commerce adoption? And does the adoption have significant positive effect to company's performance?

The purpose of this research is to analyze factors that support E-Commerce adoption on Indones 37 SMEs and to analyze whether the adoption improves the performance of the SMEs. Partial Least Squares Structural Equation Modeling (PLS-SEM) Techniques is applied to analyze by using SmartPLS3. This technique enables researchers to test the relation between complex variables and to get an overall view of the whole model.

Keywords: E-Commerce, Technology Acceptance Model (TAM), SMEs, PLS- SEM.

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The study was born out of the author's concern to find answers 3 at can explain SMEs intentions to use ICT and E-Commerce in Indonesia and if ICT developments are dynamic, it follows that E-Commerce issues would also draw on this characteristic, thus requiring more reason to establish patterns of E-Commerce development and its application.

In historical perspective, Internet has sprea at a rate much faster than the previous generation of communications technology. Today Internet is not only a networking media, but also as transaction medium for consumers at global market in the world, and 22 omes dominant retailers in the future, Yulihasri et al. (2011). Internet affects the way people communicate with each other, obtain information, learn, culture interact, and do online shopping or E-Commerce. Indonesia as one of developing country faces the challenges in harmessing the potential of E-Commerce.

However, it is not present real opportunities for business in developing countries. The need to address infrastructure bottlenecks in telecommunications, transportation, and logistics must be addressed in parallel with the governance aspects of E-Commerce, including consumer protection, transaction security, privacy of records, and intellectual property.

On the other hand, the development of technoloss is becoming increasingly important for businesses due to free trade area issue such as APEC in Asia Pacific in 2010, AFTA in ASEAN in 2015, and WTO in the world in 2020 will affect competitiveness and competition of businesses and bureauc 49c system, including in Indonesia. Business model that will dominate in the future is electronic commerce or E-Commerce.

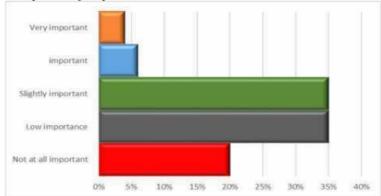
To take advantages of these opportunities, businesses including Small and Medium Enterprises (SMEs) should anticipate well and properly. SMEs in Indonesia should be fostered and be encouraged to take advantages of E-Commerce, this is because not only they are relatively resistant to economic recession and have competitive product 19 in global market but also their position is very strategic with its population reach to 57, 9 million units, absorb 97, 30% of total labors, and contribute 58, 92% to Gross Domestic Product (GDP), (Ministry of cooperatives and SMEs, 2014).

A survey 46 inducted by Suriadinata (2011) to 417 SME exporters in eight major cities in Indonesia (Medan, Lampung, Jakarta, Bandung, Yogyakarta, Surabaya, Denpasar, and Makassar) revealed that SMEs with a website as one form E-Commerce is still very few although for some SMEs that already have a website have been gaining the benefits in increasing sales turnover. Reasons of SMEs still do not have a website is probably because it is not availability of experts or

specialized staff needed to create and manage sites the web, for example in the case of maintenance and updating.

The Asia Foundation (2012) showed the low number of SMEs what already use E- Commerce. According to this survey on 227 SMEs in 12 major cities in Indonesia (Jakarta, Surabaya, Medan, Bandung, Semarang, Yogyak 17a, Denpasar, Makassar, Manado, Palembang, Samarinda, and Lombok), only 28 companies (18% of companies surveyed) who have joined the site E- commerce. Even companies outside Java and Bali have little knowledge of E-Commerce sites and the benefits that can be obtained from the website of E-Commerce. This survey also showed that about 20% of 74 companies (33% of total companies surveyed is not an E-Commerce users), they say that the role of E-Commerce to their business is not important, means that the use of E-Commerce will not add value in their business, about 35% said that the use of E-Commerce will add little value in their business, and only less than 4% said that the role of E-Commerce to their business is very important, or considers that the use of E- Commerce will add a very high value in their business (Figure 1).

Figure 1. Perceptions of Importance E-Commerce



Source: The Asia Foundation (2002).

By looking at description in advance it can be implied that despite the benefits of E-Commerce is very large, adoption of it by SMEs is still low. Therefore, need a study what factors are driving SMEs to adopt E-Commerce and whether adoption of E-Commerce improve SMEs performance. Most research on E-Commerce is in large-scale business, while studies on SMEs related to adoption of E-Commerce is not much done especially in Indonesia. Thus, this study will discuss factors that support Indonesia SMEs to adopt E-Commerce and see the effect of the adoption to their performance.

2. Literature and Development Model

2.1 Factors affecting SME to Adopt E-Commerce

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Researchers in the field of information technology has begun to use the theory of diffusion of innovation to study the problems of the use of technology (Stone, 2012; Marsh 54nd Sharman, 2009; Gilardi, 2010; Jordana, 2011). One of the literatures the theory of innovation diffusion of Rogers (1983). Rogers defines diffusion as a process where innovation is communicated through certain channels over certain time among members of a social system. Innovation defined as an idea, practice, or object that is new to the individual. This definition is often interpreted as innovation adopted by consumers. However, in the B2B market, innovation is the techniques, processes, machinery and new production inputs adopted by companies or employers to usability themselves. Diffusion of innovation theory Rogers identifies five essential attributes that are affecting levels adoption. The attributes are: relative advantage, compatibility, complexity the ability to try out, and the abili to observe. Apart complexity, all these factors have a positive relationship with the adoption of technology which in this study is defined as the term adoption of the decision to utilize an innovation in full as the best course of action (Rogers, 2003).

From SME percession, Poorangi et al. (2013), Slyke et al. (2010), Mndzebele (2013), Jumayah et. al (2013), Ndayizigamiye and McArthur (2014), Magutu et al. (2011), UNCTAD (2015), and Nickels (2015) show that the support of t 43 management is a factor influencing technology adoption. Rahayu (2015), White et al. (2014), Khan et al. (2014), Ozlen et al. (2014) suggested that factors affecting technology adoption is the perceived benefits. External drive suggested by Bodesee (8)13), Jumayah et al. (2013), Rawat (2013), Xuan (2007), Al-Shboul et al. (2014), and organizatio readiness by Kinuthia and Akinnusi (2014), Yu and Dong (2013), Jumayah et al. (2013), AlGhamdi et al. (2013), Tran et al. (2133). Poorangi et al. (2013), Slyke et al. (2010), Mndzebele (2013), Jumayah et al. (2013), Ndayizigamiye and McArthur (2014), Magutu et al. (2011), UNCTAD (2015) and Nickels (2015) suggested that compatibility have positive significant relationship to the adoption of E-commerce. 26 rawabdeh (2014), Alini (2014), Al Shaar et al. (2015), Chaffey (2009), Jano 8 et al. (2014), Remy et al. (2015), Qureshi et al. (2013), Azlinna and Said (2014) suggested that the factors that influence technology adoption is top management support, readiness organizational and external drive. In terms of benefits or impacts, Basuony (2014), Zizlavsky (2014), Sawang (2011), and Popa (2014) suggested that the use of E-Commerce system increases company performance.

3. Theoretical Framework

Based on existing literature and previous research framework theoretical thought that can be filed is shown in Figure 2.

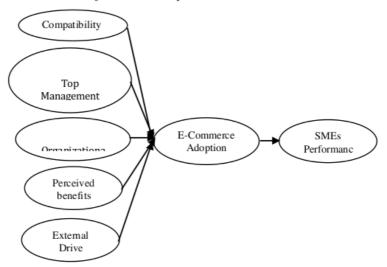


Figure 2. Theoretical Framework for SMEs adoption case

3.1 Dimensions Variable of SMEs

In Table 1 we present the variables, definitions and the appropriated indicator associated with each variable in order to define the model below.

Table 1. Dimensions Variable

| N | V | Definition | Indicator |
|---|------------------------|--------------------------|-------------------------------------|
| | , | | Huicator |
| 0 | a | 20 | |
| 1 | Compatibility, adopted | Compatibility is the | - Accordance with |
| | from; Poorangi et al. | degree to which an | business needs |
| | (2013), Slyke et_al. | innovation is considered | Accordance with |
| | (2010), Mndz 13 le | accordance with the | process/operations |
| | (2013), Jumayah et al | values existing values, | companies today |
| | (2013), Ndayizigamiye | past experiences, and | Accordance with |
| | and McArthur (2014), | needs of potential | company values |
| | Magutu et al. (2011), | adopters | Accordance with |
| | UNCTAD (2015), and | | suppliers and |
| | Nickels (2015), | | customers in the way |
| | | | doing business |
| | | | - Accordance with |
| | | | culture |
| | | | |

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| | | 4 | |
|---|---|---|--|
| 2 | Top Management Support adopted from; Alrawabdeh (2014), Alini (2014), Al Shaar et al. (2015), (26 fey (2009), Janom et al. (2014), Remy et al (2015), Qureshi et al. (2013), Azlinna and A. Said (2014) | Commitment from top management to support cultural change needed in management style, management of results, changes in work practices and the need for support of communication and information technology | Assignment project leader Communication support Development a vision and strategy for E- Commerce |
| 3 | Organizational readiness, adopted from; Kinuthia and Akinnusi (2014), Yu and Dong (2013), Jumayah et al. (2013) AlGhamdi et 4 al. (2013), Tran et al. (2013) | Organizational readiness is intended to get the attributes of the enterprise level organizations that assess the company's overall preparedness in the diffusion of innovation. | Financial resources Technology source Level of management understanding |
| 4 | Perceived Benefits, adopted from; 45 hayu (2015), White et al (2014), Khan et al. (2014), Ozlen et al. (2014) | The Gerceived benefits are defined as the degree to which a person/organization believes that the use of a particular system would enhance the performance. | Accelerate completion of work Facilitate the work Improve work effectiveness |
| 5 | External drive, adopted from; Brdesee (2013), Jumayah et al. (2013), Rawat (2013), Xuan (2007), Al-Shboul et al. (2014) | External drive includes effects arising from multiple sources in the competitive environment in the environment that is competitive boost, boost industry and the influence of the trading partner | Competitive boost Industry boost Reliance on business associates who have been using E- Commerce Government boost |

| | | 9 | |
|---|-------------------------|--------------------------|---------------------------------------|
| 6 | Adoption of E- | Refer to the process of | General marketing |
| | Commerce, adopted | conducting business | activities |
| | from; Savrul et al. | online, spanning both | |
| | (51)14), Hashim (2014), | Business-to- Business | - International |
| | White et al. (2014), | (B2B) and Business to- | penetration |
| | Khan et al. (2014), | Consumer (B2C) markets | - B2B transaction |
| | Wachira (2014), | to reach global players, | - B2C transaction |
| | Rumanyika (2014) | gaining market share for | |
| | | competitive advantage, | |
| | | utilizing | |
| | | telecommunication | |
| 7 | Company | The company's | - Efficiency |
| | Performance, adopted | performance is | - Coordination |
| | from; Basuony (2014), | measurement of | - Trade expansion |
| | Zizlavsky (2014), | Company's success in | |
| | Sawang (2011), Popa | achieving the goals that | |
| | (2014) | have been set. | |
| | | | |
| | | | |

4. Methodology

4.1 Sample and Procedure

The object of research is set to Small and Medium Enterprises with managers/owners of SM34 as respondents at nine regions in Indonesia: Jakarta, Tangerang city, South Tangerang city, Cilegon city, Serang city, Serang district, Tangerang district, Lebak district and Pandeglang district. From collecting data field, obtained 96 respondents. Respondents in the study will be classified into demographic aspects that are excluded in the process of data analysis because it does not relate directly to the answer given by respondents about the research variables, but aspects the demographics can be used as additional information in describing the conclusion. Demographic characteristic of the 96 responses are summarized in Table 2.

Variables used to assess these concepts derived from previous studies. This study uses a scale from 1 to 10 where number 1 for strongly disagree and number 10 for Very Agree. The reasons for choosing this scale is that with a large range, we can see the distribution or variation of research dents. Before a list of questions or a questionnaire posed to respondents, we did a pilot study to test the reliability and validity of the list of questions with a sample of 30 respondents. The purpose of this test is to generate a list of questions that are reliable and valid so that it can be properly used for concluded hypotheses. Initially we compiled 26 questions on five variables. In this case, we find six questions contains the same values for each case/observation. These indicators are two questions from compatibility, one question from top management support, two questions from external drive and one question from adoption E-Commerce variable. To solve this problem, the six questions have been removed from the model as the guide of the SmartPLS3

software tool kit. After the six items deleted, we re-specify and run the new measurement model. Thus, we got 225 ndicators from five variables examined in this study namely Compatibility, Top management support, Organizational Readiness, External drive, Perceived benefit, Adoption of E-Commerce and company performance. Table 1 summarize variable measurement, and indicator and scale used.

4.2 Overview of Respondents

In Table 2 we present the respondents descriptive statistics in terms of gender, age, education etc. before the analytical presentation of the results.

Table 2. Respondents Descriptive

| | Description | Amount | % |
|---|---|--------|------|
| 47 | Male | 61 | 63.5 |
| Gender | Female | 35 | 36.5 |
| | < 30 | - | - |
| | 30 – 39 | 41 | 42.7 |
| Age | 40 – 49 | 40 | 41.7 |
| 1 180 | > 50 | 15 | 15.6 |
| | Senior High School | 16 | 16.7 |
| Education | Diploma | 32 | 33.3 |
| Education | Undergraduate | 40 | 41.7 |
| | Master and above | 8 | 8.3 |
| | Owner | 40 | 41.7 |
| Dagitian | Manager | 27 | 28.1 |
| Position | Owner and Manager at once | 24 | 25.0 |
| Owner and Manager at once Other In the last 12 months | 5 | 5.2 | |
| | In the last 12 months | 23 | 24.0 |
| Time to start a business | Between 1-3 years ago | 58 | 60.4 |
| business | More than 3 years ago | 15 | 15.6 |
| | < Rp 100 million | 71 | 74.0 |
| Commonulosos | Rp 100 million – <rp 300="" million<="" td=""><td>22</td><td>22.9</td></rp> | 22 | 22.9 |
| Company'sass ets | Rp 300 million – Rp 500 million | 3 | 3.1 |
| | > Rp 500 million | - | - |
| | At home | 21 | 21.9 |
| Business place | In a specific business place | 75 | 78.1 |
| | 1-10 persons | 70 | 72.9 |
| Number of | 11-50 persons | 16 | 16.7 |
| employees | 51 – 100 persons | 9 | 9.4 |
| | 101 – 200 persons | 1 | 1.0 |

| I | > 200 persons | | _ |
|------------------------------|--|----|------|
| | < Rp 100 million | 69 | 71.9 |
| | Rp 100 million— <rp 500="" million<="" td=""><td>21</td><td>21.9</td></rp> | 21 | 21.9 |
| Last year revenue | Rp 500 million— <rp 1="" billion<="" td=""><td>6</td><td>6.3</td></rp> | 6 | 6.3 |
| Tevenue | > Rp 1 billion | - | - |
| | Profit < 5% | 34 | 35.4 |
| Lost was loss | Profit ≥ 5% | 35 | 36.5 |
| Last year loss profit before | Equal | 14 | 14.6 |
| tax | Loss <5% | 13 | 13.5 |
| | Loss ≥ 5% | - | - |
| Initiate E- | In the last 12 months | 37 | 38.5 |
| Commerce | Between 1-3 years ago | 38 | 39.6 |
| adoption in business | More than 3 years ago | 21 | 21.9 |

Source: Primary data are processed.

Almost two-third of the sample are males. More than four-fifth respondents are in the age of 30-39 and 40-49. All of them are educated at least in the high-school level. 41.7% respondents are undergraduates. Almost a half of the respondents are the owners of their business. Most of them (60.4%) stated that they have run business between 1-3 years ago. 74% of them have company's assets less than Rp 100 million, 72.9% have 1-10 employee 19.9% their last year revenue is less than Rp 100 million. Based on definition of the Law of the Republic of Indonesia, No. 20, 2008, 96.9% are categorized as small business because their company's assets are less than Rp. 500 Million and only 3.1% as Medium Enterprises. 39.6% of them has adopted E-Commerce between 1-3 years ago and it seems that some of them have already enjoy last year Profit up to 5%.

31 4.3 Data analysis

Partial Least Squares Structural Equation Modeling (PLS-SEM) is applied by using software Smart 1413 to examine research model of Factors that support Indonesia SMEs to adopt E-Commerce and the effect of the adoption to their performance. The selection of this method is based on the suitability of case.

4.4 R 12 lt of Discriminant validity test

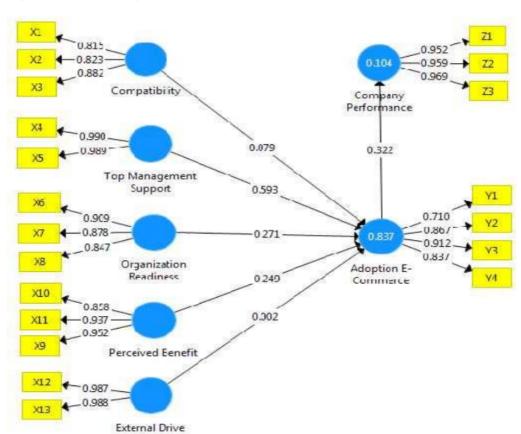
To check Discriminant Validity, Fornell and Larcker (1981) suggest that the "square root" of AVE of each latent variable should be greater than the correlations value among the variable. Table 4.17 shows the result of calculation. Those number written in bold are [38] or than the correlation values in the row of all variables. The result indicates that discriminant validity is well established.

Table 3. Discriminant validity- Fornell-Larcker Criterion

| | CPB | TMS | ORR | ED | PB | AEC | CP |
|-----|-------|-------|-------|-------|-------|-------|-------|
| СРВ | 0.840 | | | | | | |
| TMS | 0.010 | 0.989 | | | | | |
| ORR | 0.067 | 0.420 | 0.878 | | | | |
| ED | 0.008 | 0.062 | 0.139 | 0.988 | | | |
| PB | 0.065 | 0.348 | 0.826 | 0.237 | 0.917 | | |
| AEC | 0.051 | 0.794 | 0.720 | 0.132 | 0.673 | 0.835 | |
| CP | 0.072 | 0.262 | 0.140 | 0.003 | 0.134 | 0.322 | 0.960 |

Below is the result of PLS path modeling estimation figure

Figure 1. Estimates by SmartPLS 3



4.5 Explanation of target endogenous variable variance

The coefficient of determination, R2, is 0.104 for the Company Performance endogenous variable. This means that variables Adopt 1 E-Commerce weakly explain 10.4% of the variance in Company Performance. In marketing research, R2 of 0.75 is substantial, 0.50 is moderate, and 0.25 is weak (Ken and Wong, 2013). Combability, top management support, organizational readiness, perceived benefits, and external drive together explain 83.7 % of the variance of Adoption E-Commerce.

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4.6 Result of Total effect

Table 4 shows the total effect of the model. Direct effect marked by bold black while indirect effect shown in the bold grey.

Table 4. Total effect

| | AEC | CP |
|-----|-------|-------|
| AEC | 1.000 | 0.322 |
| CP | 0.000 | 1.000 |
| CPB | 0.079 | 0.026 |
| ED | 0.002 | 0.001 |
| ORR | 0.271 | 0.087 |
| PB | 0.249 | 0.080 |
| TMS | 0.593 | 0.191 |

24 Correlation matrix for independent variables

The Correlation Matrix in Table 5 provides some insights into which the independent variables are related to each other. The highest correlation is between PB and ORR (0.826) and TMS and ORR (0.420). Both correlations are high and positive, as the PB or TMS increase, so does the ORR which is consistent with other studies conducted by Shaharudin et al. (2012) and Afaneh et al. (2015). TMS is also positively correlated with PB at 0.348 as Poorangi et al. (2013) found.

Table 5. Correlation matrix for independent variables

| | CP | ED | ORR | PB | TMS |
|-----|-------|-------|-------|-------|-------|
| CP | 1.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| E | 0.008 | 1.000 | 0.000 | 0.000 | 0.000 |
| ORR | 0.067 | 0.139 | 1.000 | 0.000 | 0.000 |
| P | 0.065 | 0.237 | 0.826 | 1.000 | 0.000 |
| TMS | 0.010 | 0.062 | 0.420 | 0.348 | 1.000 |

4.8 Checking Structural Path Significance in Bootstrapping (inner model and outer model)

2

The inner model suggests that AEC has effect on CP (4.440). TMS has the strongest effect on AEC (13.138), followed by ORR (2.433), PB (2.215), CPB (1.820) and ED (0.057).

Table 6. T-Statistic of path coefficient for the inner model

| | T Statistics (IO/STDEVI) |
|------------|--------------------------|
| AEC -> CP | 4.440 |
| CPB -> AEC | 1.820 |
| ED -> AEC | 0.057 |
| ORR -> AEC | 2.433 |
| PB -> AEC | 2.215 |
| TMS -> AEC | 13.138 |

5. Discussion

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Figure 1 summarizes the analysis of this study. It shows the PLS path coefficients model of the proposed research model in all 20 measures. The path coefficients are shown alone the arrow lines between the constructs. The R-squared value of Adoption E-Commerce (AEC) is 0.837 and for Company's Performance (CP) 2 0.104. This means that AEC explains only 10.4% of the variance in CP. In marketing research, R2 of 0.75 is substantial, 0.50 is moderate, and 0.25 is weak, (Ken and Wong, 2013).

According to the path coefficients, Compatibility (CPB), Top Management Support (TMS), Organization Readiness (ORR), External Drive (21) and Perceived Benefit (PB) together explain 83.7 % of the variance of AEC. The inner model suggests that TMS has the strongest positive effect on AEC (0.593), followed by ORR (0.271), PB (0.249), CPB (0.079) and ED (0.002).

In SmartPLS, the bootstrap procedure can be used to test the significance of a structural path using T-Statistic. The table 4.18 shows the relationship between Adoption E- Commerce (AEC) and Company Performance (CP) shown by T-Statistic value of 4.440, Compatibility (CPB) and Adoption E-Commerce (AEC) is 1.820, External Drive (ED) and Adoption E-Commerce (AEC) is 0.057, Organizational Readiness (ORR) and Adoption E-Commerce (AEC) is 2.433, Perceived Benefits (PB) and Adoption E- Commerce (AEC) is 2.215 and relationship between Top Management Support and Adoption E-Commerce (AEC) is 13.138. According to Ken and Wong (2013), significance of standardized path coefficient is larger than 1.96.

Thus, the hypothesized path relacionship between AEC and CP, ORR and AEC, PB and AEC, TMS and AEC are statistically significant. Howeve 15 the hypothesized path relationship between CPB and AEC and ED and AEC are not statistically significant. This is because its standardized path coefficient of them are lower than

1.96. In this case we can state that AEC is a predictor of CP, ORR, PB and TMS are predictors of AEC but CPB and ED do not predict AEC directly.

Although the study was conducted in Indonesia, the data are useful for comparing with the studies of other countries to validate the SMEs acceptance model. Furthermore, this study does not reveal additional factors that may influence SMEs in adopting technology.

6. Conclusions, Limitations and Implications

53 6.1 Conclusion

perceived benefits have a significant positive effect on the adoption of E-commerce. It can be stated that the higher these three variables, adoption E-Commerce will run better. On the other hands, compatibility and external drive have a weak positive effection the adoption of E-Commerce which show that there are still many obstacles for SMEs in the adoption of E-Commerce as shown in SWOT analysis.

Meanwhile, SME performance positively and significantly affected by the adoption of E-commerce. The construct of the adoption of E-Commerce is described by the dimension (1) marketing activities in general, (2) achieve penetration internationally, (3) conduct B2B transactions and (4) the transaction B2C while construct the company's performance is explained by the dimension (1) efficiency, (2) coordination and (3) expansion of trade.

6.2 Limitations

There are several limitations in this study as follows:

- Response rate is relatively low in all studies. Low response rate affects the feasibility of statistical models. This limitation will narrow the generalization of research results. Future studies can extend this scope to include consumers from other cities in Indonesia.
- 2. As E-Commerce is relatively new in Indonesia, this study has the intention of measuring E-Commerce adoption. Future studies can consider measuring the diffusion of E-Commerce across time, and investigate if the adoption factors change at various stages of SMEs diffusion of E-Commerce. There is a possibility that additional adoption factors have not been included in this model and these can be included in future research models.

6.3 Implications

This study offers several implications as follows:

This study focuses in Indonesia as one of developing countries where internet
and infrastructure are quite different in advanced and the E-Commerce
adoption keep growing in Indonesia. Unlike developed countries, E-Commerce
industries in Indonesia is in a different situation especially in infrastructure. The

result enables telecommunication and online companies to develop strategies that are appropriate to Indonesia consumers.

- 2. The implications relating to compatibility are as follows:
 - a. SMEs need to pay attention in doing business expansion where this effort related to venture capital. Significant business developments will require substantial capital to the inability of SMEs in the running business activity will bear the financial difficulties and even bankruptcy. Therefore, necessary to evaluate the business needs properly.
 - b. SMEs also consider the capacities are capabilities in production. Self-imposed in meeting the market demand will have an impact on the quality of the results is not the maximum, working climate is not conducive and buyers lost confidence. For that SMEs need determine the ability comprehensively. In addressing the problem of capacity SME can perform intensification and extension efforts.
 - c. SMEs need to pay attention to the values and corporate culture since both as a control and as a normative rule. Attention to these two aspects will (1) provide direction for the development of business, by digging / evalua 5 g the vision, mission and organizational structure, (2) increase productivity and creativity, (3) will improve the quality of goods and services, and (4) will motivate employees to achieve the highest achievement to assure responsibility and development of the company becomes a shared responsibility.
- 3. Implications relating to top management support is that management need to motivate and educate the employees to work together, exchange ideas, and discuss both formal and informal. High motivation of owners and employees to interact will enhance the relationship and will create a conducive working environment and minimizing labor conflict.
- 4. The implications relating to organizational readiness is as follows:
 - a. Companies need to make budget on information technology renewal periodically. The available budget will allow employees to renew or improve their knowledge and skills in information technology. The budget also can be used for maintaining information technology system and paying trainers or experts.
 - b. Employees need to be introduced to E-Commerce through applicable training.
- 5. Implications related to the perceived benefits are as following:
 - a. Management needs to improve cooperation among division in gathering information to formulate planning. It will give unities a more structured planning for each division and enable for them to interact effectively.
 - b. Management need to more participate actively in applying and renewing technology in business activities.
- 6. Meanwhile, the implications relating to the external drive is as follows:
 - a. SMEs need to conduct monitoring of industrial environments. Monitoring is intended to provide information regarding opportunities, and threats in industry that was involved. In monitoring competitors and industry

- environment, SMEs can obtain information about competitors and industry environment from the internet or exhibitions either national or international scale.
- b. SMEs need to monitor competitor activities and strategies. It can provide information about development and business strategies of competitors. Weak monitoring can lead to left behind.
- c. SMEs need to create a harmonious working relationship with business partners. Good relationship will make it easy for SMEs to obtain raw materials and do marketing. Therefore, SMEs need to cooperate with business partners based on mutual relations.



Finally, we would like to emphasize that rapid growth of the market sha(29) of E-Commerce in Indonesia is beyond a reasonable doubt. With the number of Internet users reached 88.1 million people or about 35% of the total population in 2014, Indonesia E-Commerce market is a very tempting gold mine for some people who can see the potential in the future. This growth is supported by the E-Commerce transaction value also continues to increase.

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