Dynamic Capabilities and Digital Marketing in Small and Medium-Sized Enterprises (SMEs) in Indonesia: a Systematic Analysis of Literature and Conceptual Model

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Abstract: Small and Medium sized enterprises (SMEs) have proven to be the backbone of Indonesia's economy. It gives contribution to 99.9% of national economic, absorb 97% employee and contributes 60.34% to Indonesia GDP. Indonesia is known to be one of the most social media users. There is lack of studies to understand the role of dynamic capabilities and digital marketing on influencing the performance of SME’s in Indonesia. This study aims to develop a conceptual model linking dynamic capabilities, digital marketing capabilities and SME performance. Systematic literature review (SLR) method is used in this study. After getting result of SLR, than the authors develop the concept. More than 2000 publication published from 2011 to 2018 were screened with dynamic capabilities, digital marketing and SMEs’ performance as keywords. Finally, 20 journals were included for this review. Based on the review there were three possible relationships in the conceptual model which are (1) there is a positive relationship between dynamic capabilities and firm performance; (2) there is a positive relationship between dynamic capabilities and digital marketing capabilities and (3) there is a positive relationship between digital marketing capabilities and firm performance. It concludes with the need for further study to find empirical validation of the three relationships. Contribution of this study is giving the conceptual framework that both dynamic capabilities and digital marketing capabilities might have important roles to SMEs’ performance in Indonesia.

Index Terms: digital marketing capabilities, dynamic capabilities, SMEs’ performance

I. INTRODUCTION

Indonesia is one of the countries with the largest number of media social users in the world. Social Media is a network media used in this digital era (1). Even according to previous research, We are Social (2019), of the total population of 268.2 million Indonesians, it was found that 150 million of them had used social media with a penetration rate of around 56%. This means that there is an increase of 20 million social media users in Indonesia, compared to 2018. The use of internet services that are often accessed by Indonesian people is chat with 89.35% and social media reaching 87.13%. Furthermore, according to We are Social (2019), there are 4 social media that are often used by Indonesians, namely Facebook (86.67%), Instagram (41.3%), Twitter (4.28%) and Snapchat (2.53%).

According to a survey conducted by the IDN Research Institute (2019), there are as many as 70.4% of millennials who access digital media to find out the latest news. The main reason for choosing digital media is the ease of access and speed of access. In addition, the millennial generation dominates and is very active in the use of social media. Some of the most commonly used social media are Facebook (62.6%), Instagram (38%) and Twitter (1.2%). Within a day, they often update status between 2-5 times as much as 79.5% and 6-8 times as much as 52.5%.

The variety of social media accounts owned shows millennial familiarity with the use of social media. They are easy to share experiences and activities on social media. A survey conducted by the IDN Research Institute (2019), showed that there were 4 goals most often carried out by millennials in accessing the internet, namely chat / messaging (81.3%), browsing (77.4%), social networking (74.4 %) and video streaming (40.7%). This proves that the internet has many functions because various activities are carried out through the internet. Millennials are generations that are connected to each other. Through social media, friendship networks and access to information are increasingly widespread. Networks that are built are no longer limited to the local environment such as a place to live or work, but can reach more widely. Millennials have the character to maintain solidarity in Indonesia. The presence of the internet has brought many changes. Before there was the internet, buyers needed considerable effort to find out an item. People must come to various stores to compare products with each other. But with the help of the internet, finding information about a

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Authors search keywords “Dynamic Capabilities”, “Digital Marketing Capabilities” and “Firm Performance” in Science Direct. The authors found 2524 journal publications. The authors then limited the year of journal’s publication from 2011 until 2018 and found 1099 journal publications.

The authors then limited the source to Social Science journals, namely Journal of Business Research, Technovation, Procedia –Social and Behavior. After reviewing duplication and relevant, 71 journals published from 2011 to 2018 were found. After screening based type of relevant industry and methodology, finally 20 journals were included in the systematic review.

II. RESULTS

After review thirty four journals, the authors found that there are three main topic. The first category discusses the relationship between Dynamic Capabilities and Firm Performance. The second is the relationship between Dynamic Capabilities and Digital Marketing Capabilities. The last one is about the relationship between Digital Marketing Capabilities and Firm Performance.

A. Dynamic Capabilities and Firm Performance

Dynamic capability affects the performance of SMEs (Lin and Wu, 2014). Dynamic capability is built and redeveloped owned resources. SMEs that are closely related to customers, suppliers and partners. Dynamic capability has a positive influence on the performance of SMEs with a changing environment.

Dynamic capability increases the efficiency, speed and efficiency of SME responses to environmental turbulence, which in turn improves SME performance. Freeing SMEs can take advantage and profit to increase profits while adjusting operations to save costs associated with products and services. This dynamic capability enables SMEs to survive and grow by being able to adapt to their external environment (14).

The higher the dynamic capability of an SME to change and adapt to the environment, the higher the response of SMEs in terms of revenue generated (15). According to another study, Ringov (2017), dynamic capability and environmental dynamics will be moderated by the difficulties of the company's asset base. Previously based on previous research, Jantunen, Tarkiainen, Chari, & Oghazi (2018), companies that have the capacity to identify opportunities and coordinate their resources can renew their business models and support business changes using technology and market changes.

B. Dynamic Capabilities and Digital Marketing Capabilities

Dynamic capabilities read opportunities and threats by exploring markets and technology. The possibility of investing in relevant technology to reach market demand. (14). Dynamic capability identifies new market opportunities and uses them.
Companies that are most able to deal with market changes and technology are very fast, develop capability to feel changes and take advantage of opportunities faster than their competitors. They are more resilient, make timely decisions and are able to adapt to rapid market and technological changes (18).

In a growing market, dynamic capabilities enable companies to identify important market signals, evaluate new processes or services or products and respond to market changes. Information technology creates an environment where competitive advantage can be enhanced through process excellence, service excellence and intimacy with customers. Digital marketing capabilities affect long-term customer relations (19).

Digital marketing makes it possible for companies to provide accurate insights about customers, markets, competitors, environmental trends, distributors, alliance partners, communities that are done online (20). SMEs in Indonesia already have a Facebook Fan Page and are interested in the concept of trading through Facebook. Currently what has been commonly used by SMEs in Indonesia is SMS Text (21).

C. Digital Marketing Capabilities and Firm Performance

Network resources are mediation of entrepreneurial orientation towards company performance (22). Marketing capability has a positive influence on the performance of SMEs (23,24), namely SME finance (25), SME goals and competitors (26). Marketing capability is the main determinant of competitive advantage of SMEs. Marketing capabilities are adaptive and allow SMEs to adapt their strategies to rapidly changing markets (27).

Competitive strategies mediate marketing capabilities with SME performance. This competitive strategy makes costs lower and the market reach broader (28). Digital-based marketing makes SMEs more effective and can reduce costs in various ways (27). Entrepreneurial orientation by mediating marketing capabilities increases company performance higher than the direct path from entrepreneurial orientation to company performance (29).

Marketing orientation and marketing strategies moderate the relationship between marketing capabilities and SME performance (26). SME marketing capabilities improve the superiority and differentiation of new products with the help of technology (30). Social media is a successful tool for building brands and attracting new customers and building relationships with customers. The use of social media affects sales and customer commitment to the brand (31). According to previous research (21), SMEs in Indonesia argue that Facebook can increase buying interest from prospective buyers, when prospective buyers receive recommendations from friends on social networks.

III. DISCUSSION

The authors propose a relationship between dynamic capabilities, digital marketing capabilities, and firm performance.

P1: Dynamic Capabilities has a positive direct influence on firm performance
P2: Dynamic Capabilities will positively influence digital marketing capabilities
P3: Digital marketing capabilities will positively influence firm performance

Fig 1. Propose Model Relationship of Dynamic Capabilities, Digital Marketing Capabilities and Firm Performance

IV. CONCLUSION

In this literature review, the authors suggest that there are three possible relationships between dynamic capabilities, digital marketing capabilities and firm performance. The first relationship is that dynamic capabilities has a positive direct influence on firm performance. Second one is that dynamic capabilities will positively influence digital marketing capabilities. The last is that digital marketing capabilities will positively influence firm performance. This study is limited that the literature review is only based on one search engine which is Science Direct. Further study to discover empirical validation of the three relationships between dynamic capabilities, digital marketing capabilities and firm performance.

The authors suggest further study with evidence. It will contribute to theoretical and practical implication. The theoretical contribution will provide evidence of the relationship between dynamic capabilities, digital marketing capabilities and firm performance. The practical implication will give another horizon for owner or manager of SME that digital marketing can be used to improve firm performance.

REFERENCES

4. Mikro U. Perkembangan data usaha mikro, kecil, menengah
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