SOCIAL MEDIA AS A STRATEGIC CAPABILITY FOR STARTUPS AND THE MEDIATING ROLE OF SOCIAL CAPITAL

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Abstract. Social media have been widely adopted in various organizations. The use of social media for achieving business sustainability and financial outcomes has been addressed in the literature. In the entrepreneurship context, social media have received great attention as the platforms can be one of the cost-effective marketing activities and knowledge accumulation. Despite existing evidence regarding the impacts of social media, the study of social media in the startup's context is limited. Based on the dynamic capabilities perspective, this study relied on data from 128 startups in the emerging economy's context to investigate the importance of social media for startups. Particularly, the results from PLS-SEM support the significant influence of social media as a firm's strategic capability toward performance. In addition, social capital consisting of three dimensions—cognitive, structural, and relational—has been found to mediate the direct association of social media strategic capability toward the startup performance. This study advances the social media research on entrepreneurship as well as the dynamic capabilities perspective to enhance the startup's sustainability through enhanced performance. Especially, it encourages the application of social media with the indirect effect of social capital for startups.

Keywords: startup, performance, social media strategic capability, social media, social capital, entrepreneurship.

JEL Classification: L1, L25, L26.

Introduction

Entrepreneurship literature has emphasized a startup as technology-based business venture derived from innovative idea (Benson & Ziedonis, 2009; Slávik et al., 2022; Szarek & Piecuch, 2018). The startups encounter various challenges in escalating their potential for competitiveness and sustainability through the implementation of information technology. Recent studies reveal that the crucial obstacles of startups are lack of resources and limited experience (Salamzadeh & Tajpour, 2021; Zahra, 2021) in order to become sustainable. Prior literature especially in the entrepreneurship context, provides insights regarding the influential factors affecting the performance of the newly established innovative organization or startups such as the experience (Cassar, 2014), peer networks (Hasan & Koning, 2019), and venture capitalist (Ewens & Marx, 2018). In addition, various studies also highlight the importance of social media for startups as strategic tools for increasing stakeholder engagement (Chen et al., 2017) and brand awareness (Parida & Prasanna, 2021). However, the study that explores how startups could effectively utilize social media is still limited. Despite the emerging trends of social media research and digital entrepreneurship in various business practices, a social media-related study in entrepreneurship still needs more attention (Baig et al., 2022; Olanrewaju et al., 2020; Schjoedt et al., 2020). More specifically, there is a limited study that provides insights regarding how and through what factor social media can influence various startups' outcomes.

Therefore, this study argues that social media could improve startup organizations' performance by serving as a platform for social capital-based effective communication. Even if the prior literature discovers the positive association between social media and the social capital (Ali-Hassan et al., 2015; Bharati et al., 2015; Chen & Li, 2017), the impact of social media and social capital on startup performance has not been explored. As consequence, this study aims at determining the research questions of how social media could influence startup performance and through what factor social media can influence various startups' outcomes. This study advances the social media research on entrepreneurship as well as the dynamic capabilities perspective to enhance the startup's sustainability through enhanced performance. Especially, it encourages the application of social media with the indirect effect of social capital for startups.
media to benefit organizations by optimizing flexibility is referred to as social media strategic capability (SMSC) (Nguyen et al., 2015), which is argued to affect the performance of startups. In addition, we believe that the level of strategic capability regarding social media could influence performance through the development of the startup's social capital which reflects the relationships between startups and other organizations (Bharati et al., 2015).

Based on the sample of 128 startups in the emerging economy context, this study employs the partial least squared structural equation model (PLS-SEM) to test the proposed relationship. The sample comprises high-tech startups registered as members of the Thai Startup Trade Association (Thaistartup.org). Thai startups were chosen as the study's sample for two primary reasons. First, Thailand is moving toward a digital economy where small businesses rely significantly on the social media (Ngammoh et al., 2021a). Therefore, the study of startups in the Thai context provides great insights into the associative environment that emphasize the importance of social media. Second, the level of internet penetration in Thailand is relatively high and therefore influence online transactions in social media platforms (Kemp, 2020). Thai startups may utilize the increasing trends regarding social media for their crucial activities, and therefore, showing that this is an appropriate setting for our study.

As expected, we found that social media strategic capability can influence startup performance. Furthermore, social capital as a higher-order construct comprised of cognitive capital, structural capital, and relational capital was found to mediate the positive effect between SMSC and startup performance. The presented research suggests that startups can be beneficial by developing their capability regarding social media. This study extends the dynamic capability literature supporting the application of social media as the tools for strategic adaptation for startup organizations. Also, the result from this research contributes to the emerging social media research in the entrepreneurship (Fischer & Reuber, 2011; Mei & Genet, 2022; Mumi et al., 2019), especially for startups in the context of an emerging economy to promote the sustainability through entrepreneurship. For managerial contribution, this study provides evidence for entrepreneurs or founders of startups to realize the importance of social media that can enhance social capital for better performance of their organizations.

In the section that follows, we discuss the background of this study and how the hypotheses were developed before focusing on the methodology and the results. Finally, the paper's final section discusses the paper's theoretical and managerial contributions, limitations, future research, and conclusions.

1. Theoretical background and hypotheses

1.1. The startup and the use of social media

Social media platforms, for example, Facebook, Twitter, LinkedIn, Instagram, YouTube, etc. have been perceived as the crucial tools for stimulating the exchange of communication (Hanna et al., 2011). Particularly, organizations have utilized social media for gathering feedback from stakeholders through various engagements (Carlson et al., 2018). From the relative marketing perspective, social media became one of the crucial and affordable tools for organizations to connect with potential customers (Kumar & Mirchandani, 2012), enhance the brand evaluation (Naylor et al., 2012), as well as expand their geographical reach through different markets (Gao et al., 2018). Not only from the organizational perspective, recently customers have been increasingly influenced and empowered by social media where they become the crucial elements of the effective marketing communication process such as becoming the creators, influencers, and key-opinion leaders (Hamilton et al., 2016). Therefore, social media application has been developed and implemented within the new way of strategic marketing communication in enhancing the competitive advantage (Lamberton & Stephen, 2016; Li et al., 2021).

For a smaller organization, such as a startup, where technology is highly implemented, social media have also become an imperative strategic tool for various business practices. For example, the study by Jin et al. (2017) found that startup social media activities influence the invested capital from investors. The results are consistent with a study that found that the active use of social media can attract investment during the IPO process when startups transformed from private to public entity (Mumi et al., 2019). Besides, a prior study also provides evidence showing that, in the context of a startup, the application of social media is associated with increasing information sharing, long-term relationships, awareness, new business ideas, and reputation (Chen et al., 2017). It is evident that startup organizations can be beneficial from using social media in achieving various strategic goals. However, the study of social media for entrepreneurship especially in the context of startups is a rather new and fragmented (Olanrewaju et al., 2020). Therefore, this study aims at investigating social media as a strategic capability in impacting the performance of startups.

1.2. Social media: a strategic capability

The prior literature also views social media as strategic tools for dynamic organizations in coping with fast-growing competitive environments. Social media enables organizations to acquire a variety of external information and make effective and responsive strategic decisions (Zhang & Zhu, 2021). Drawing from the literature regarding the dynamic capability (Bocken & Geraerts, 2020; Eisenhardt & Martin, 2000; Teece et al., 1997), the competitive advantage for firms can be established when demonstrating timely responsive strategic decisions and flexible innovation in coordinating with firm's competencies (Teece & Pisano, 2003). The use of social media as the tools for internal and external knowledge integration can be regarded as the organization's strategic capability for
responsive decision-making since social media stimulate a new way of interaction within and outside organizations (Kaplan & Haenlein, 2010). According to Teece (2007), the strategic capability refers to the ability in accumulating and integrating resources as well as skills embedded within organizations for achieving strategic goals. Social media has been argued as one of the crucial strategies and capabilities and proposed the concept of so-called social media strategic capability (SMSC). Therefore, SMSC focuses particularly on the organization’s ability in applying social media for acquiring, integrating, communicating, sharing, and applying both current and new knowledge for strategic goals (Nguyen et al., 2015).

Although the concept of social media has been emphasized with various dimensional purposes, the study that investigates specifically social media strategic capability is rather limited. Prior research has mostly examined the impact of social media strategic capability on the innovation (Ngammoh et al., 2021b; Zhang & Zhu, 2021). In the current study, we believe that the performance of startups will also be influenced by social media strategic capability. Social media allows the flow of information within the organization through extensive communication between employees who may also act as the creators of information and ideas (Madsen & Johansen, 2019). Startups with higher social media capability may have a high potential to gather new knowledge through the exchange of expertise and therefore influence the performance (Zwass, 2010). Startups can also circulate information regarding their new products to reach a larger audience (Michaëlidou et al., 2011). Therefore, to provide empirical evidence supporting the importance of social media strategic capability for a startup organization. We proposed the first hypothesis as follows:

Hypothesis 1: Social media strategic capability is positively related to startup performance.

1.3. The mediating role of social capital

As aforementioned, social media provides great benefits for organizations in acting as the strategic capability in acquiring, integrating, sharing, and applying knowledge (Ngammoh et al., 2021b; Nguyen et al., 2015). Both current and new knowledge can be acquired through a deeper understanding of external stakeholders’ actions or feedback on social media. According to the literature, social media enhance the greater communications between different parties — both individuals and firms — therefore, may lead to better relationships with external organizations. Relatively, this study argues that social media could benefit startup organizations through the social relationships between organizations or the social capital (Adler & Kwon, 2002; Payne et al., 2011). More specifically, social capital can be defined as both existing and anticipated resources that are accessible through networks and developed as a result of individual or group pursuits (Nahapiet & Ghoshal, 1998). In particular, social capital can be broken down into structural, relational, and cognitive components (Nahapiet & Ghoshal, 1998). The structural dimension of social capital reflects the configuration of relationships between organizations. The relational dimension of social capital explains the value of relationships (such as a trust), while the cognitive dimension of social capital refers to the common understanding between organizations that results from interactions. Within the domain of entrepreneurship, it has been argued and investigated that social capital influences entrepreneurial activities and outcomes, including as growth and performance (Maurer & Ebers, 2006) and financing of new venture (Gopalakrishnan et al., 2008), and entrepreneurial ecosystem (Theodoraki et al., 2018).

This study provides evidence that social capital can mediate the connection between social media and its consequence. Enhancing user interactions is one of social media’s most significant benefits (Hanna et al., 2011). Startups can also benefit from social media as building up their relationship with external parties — business partners, suppliers, customers, etc. (Bughin et al., 2011). Social media can stimulate interactions that authenticate the level of social capital as well as communications across organizations. Prior studies also argued that communication through online platforms can stimulate benevolence-based trust (Watts & Zhang, 2008) as well as emotional support from others (Rheingold, 2000). Social media enhance the opportunities for employees with different backgrounds working in different business units to collaborate with each other as well as develop a common understanding through negotiation of shared code or paradigm (Bharati et al., 2015; Wenger, 1999) reflecting the cognitive dimension of social capital. As consequence, the higher level of social media capability for startups could enhance the level of social capital before influencing performance as proposed in the following hypothesis.

Hypothesis 2: Social capital mediates the relationship between social media strategic capability and the startup performance.

2. Methodology

2.1. Sample and data collection

This study analyzed information from 128 startup organizations in Thailand’s information and communication technology (ICT) sector. Although the definitions of a startup are diverse, we follow the definitions of the startup as an early-stage organization that emphasizes the innovation and technology for new products or markets (Masters & Thiel, 2014; Skala, 2019). Therefore, we believe that the startup organizations in the ICT sectors serve as the appropriate sample for this study. The startups in ICT sectors empathized in this study deal with information technology, computer services, hardware, software, computer facilities, etc. The ICT-related startups were chosen since the ICT sectors frequently encounter unexpected
technology instability (Bodlaj & Čater, 2019) reflecting in high dynamic capabilities. Also, startups in ICT sectors tend to rely on knowledge transfer for better performance (Kenny & Fahy, 2011), manifesting the utilization of social capital within startups for knowledge sharing among networks. Therefore, social media and social capital may be the crucial factors that can enhance knowledge sharing, especially when obtaining feedback from stakeholders through online interaction (Huang et al., 2014). By examining the significance of social media and social capital, this study intends to provide a deeper understanding of the influencing elements for the performance of ICT-related companies.

Within this study, the data collection was done through questionnaires that were distributed to founders of targeted startups. Following Podsakoff et al. (2003), we performed the data collection by considering the common method bias issue that may be derived from a single respondent. For instance, it was made very clear to our participants that the information they provided would be kept completely confidential and anonymous. To examine the reliability of responses, we also used the confirmatory factor analysis (CFA) method. By evaluating correlations between the relevant variables, CFA enables the early detection of the common method bias. By establishing that the information from respondents was the same as that from non-respondents, this study carried out the procedure for evaluating non-response bias (Rogelberg & Stanton, 2007). Therefore, we compared the responses from early and late respondents to verify the potential non-response bias issue as suggested by a prior study in account of late respondents as similar to non-respondents (Lindner et al., 2001). Two groups of respondents were compared using a t-test. Since there was no significant difference between early and late responses for any of the targeted variables, the t-test results did not indicate any potential non-response bias.

2.2. Measurements

This study relied on the existing scale for operationalizing the constructs proposed in the hypotheses. More specifically, we measured social media strategic capability followed the scale items proposed by Nguyen et al. (2015) asking participants to respond to four questions using a six-point Likert scale. The items have been frequently utilized in studies on smaller firms to capture the social media strategic capacity constructs (Ngammoh et al., 2021a; Ngammoh et al., 2021b; Zhang & Zhu, 2021). Additionally, the second-order construct of social capital was operationalized from three dimensions: structural, cognitive, and relational (Liu, 2018). The structural social capital reflects network ties and configurations. While relational social capital stresses trust, norms, and expectations, cognitive social capital refers to shared values and beliefs (Claridge, 2018). We measured startup performance adapted from Asikbia (2010) and Wang et al. (2003) comparing startup performance to that of other businesses in the same industry in terms of their earnings, sales growth, market share, return on investment, and overall success using a five-item scale. Additionally, the study placed a focus on a number of control variables to help divert the effects that could affect the dependent variable – startup performance in the analyses – including the founder’s age, education, and industry specialization as well as startup size, as determined by the number of employees.

2.3. Structural Equation Modeling: Partial Least Squares (PLS-SEM)

The main analysis in this paper used structural equation modeling with the partial least squares approach (PLS-SEM) to incorporate the suggested framework. Numerous study fields, such as the strategic management (Hair et al., 2012a), organizational management (Sosik et al., 2009), and entrepreneurship (Arabeche et al., 2022; Manley et al., 2021), have made extensive use of PLS-SEM. Additionally, Regardless of advanced distributional assumptions, PLS-SEM enables researchers to estimate complex models with a comparatively larger number of constructs, indicators, and structural paths (Hair et al., 2019) and establishes an SEM method that varies from covariance-based SEM by using a causal-predictive approach. Besides, when there are several constructs and items in small sample size, PLS-SEM is the preferred method (Hair et al., 2017a; Willaby et al., 2015). We, therefore, believe that using PLS-SEM to investigate the structural links and emphasize the predictive relationships of social media strategic capability toward startup performance would be appropriate given the study’s relatively small sample size.

3. Results

3.1. Reliability and validity

We ran Pearson’s correlation table as shown in Table 1 to reveal the associations among variables included in this study. Although the correlation coefficients lack predictability as well as causality, the figures manifest the initial analyses describing the characteristics of the data. A correlation table can also signal the tendency that led to the support of hypotheses. More specifically, Table 1 shows the significant results between the main variables. As expected, social media strategic capability is significantly correlated with performance (r = 0.450, p-value < 0.01). The social capital, as well as its dimensions, are also positively correlated with the dependent variable (p-value < 0.01) with the value of r = 0.306 for the social capital as well as r = 0.452 for cognitive social capital, r = 0.432 for structural social capital, and r = 0.276 for relational social capital. Each dimension of social capital also significantly correlates with its higher construct manifesting the value between 0.407–0.460 with a p-value < 0.01. Regarding the correlation results of the control variables, we found that only size (r = 0.256, p-value < 0.05) and education of the
founder ($r = -0.215$, p-value < 0.10) are significantly correlated with performance with larger startups can translate into better performance and higher education of founder may lead to lower performance.

Table 2 reveals the confirmatory factor analysis (CFA) for the construct reliability. CFA has been widely used in investigating the reliability of each indicator or item that could potentially represent the focused constructs of the study. According to Table 2, each item that represents the construct has passed the cutoff 0.5 factor loading threshold (Hair et al., 2009), indicating satisfactory reliability. Furthermore, the table manifests the composite reliability (C.R.) of each construct is in an acceptable standard (Hair et al., 2021a). The composite reliability reflects the internal consistency of the items, used in lieu of or similar to the Cronbach’s Alpha (Netemeyer et al., 2003) that account for the amount of true score and the total scale score variance (Brunner & Süß, 2005). Furthermore, the average variance extracted (AVE) value is also displayed in Table 2. The AVE is the indicator for convergent validity in which the value should exceed 0.50 (Hair et al., 2009). The convergent validity is the degree of confidence regarding how constructs are well measured by their indicators (Carlson & Herdman, 2012). Based on the analyses, the value of AVE for the main constructs focused on this study has a value higher than 0.50 which can be regarded as an acceptable level of convergent validity. In addition, the comparative fit indices (CFI) were also reported in the table. CFI is among the commonly used indicators for model-data fit when analyzing using SEM. According to Hu and Bentler (1999), the satisfactory threshold for CFI is higher than 0.90. While most of the constructs in this study have passed the threshold, the social capital higher construct is slight under the threshold (CFI = 0.867). Therefore, it should be noticed when interpreting the results regarding the fit index of the social capital higher construct.
This study also assesses the discriminant validity using Fornell-Larcker’s criterion (1981). The discriminant validity represents how different constructs are unrelated. The analysis of discriminant validity has been regarded as very crucial for variance-based SEM such as partial least square SEM (Henseler et al., 2015) especially in the field of management information system (Ringle et al., 2012), marketing (Hair et al., 2012b), and strategic management (Hair et al., 2012a). Among various methodologies in testing discriminant validity, the Fornell-Larcker’s criterion has been commonly used for PLS (Hair et al., 2017b). According to Fornell-Larcker Criterion, the discriminant validity can be established when the square root of average variance extracted (AVE) is higher than its correlation with other constructs. The analyses of the Fornell-Larcker criterion for the discriminant validity of this study can be seen in Table 3 regarding three main constructs – social media strategic capability, social capital higher construct, and performance, the findings demonstrate that the AVE’s square roots in the diagonal are greater than its correlation coefficient in the lower triangle. Therefore, the constructs in this study can be considered to pass the acceptable discriminant validity.

Table 3. Convergent and discriminant validity

|          | SMSC   | Social Capital | Performance |
|----------|--------|---------------|-------------|
| SMSC     | 0.747  |               |             |
| Social Capital | 0.380  | 0.906         |             |
| Performance | 0.451  | 0.481         | 0.888       |

Note: **Construct correlations on the lower triangle and square the AVE on the diagonal.

3.2. Results from PLS-SEM

Figure 1 shows the proposed framework regarding the inter-relationship between social media strategic capability (SMSC), social capital, and startup performance. The items associated with each latent construct are also displayed in the figure. It can be noticed that social capital is treated as the second-order construct consisting of cognitive social capital, structural social capital, and relational social capital. As aforementioned, the factor loadings for all the items are displayed in Table 2. In addition, Figure 1 reveals the path coefficients in relation to the hypotheses. The direct relationship between SMSC and performance is positive and significant ($\beta = 0.519$, p-value < 0.01), supporting Hypothesis 1. The results also display the positive relationship between social capital and performance ($\beta = 0.387$, p-value < 0.01) as well as SMSC and social capital ($\beta = 0.437$, p-value < 0.01). These results support our argument that startups also utilize social media for their embedded strategies and in turn improve performance.

In delineating Figure 1 with extended results, Table 4 reveals the results from PLS-SEM for direct and indirect effects as well as the effects from control variables. In investigating Hypothesis 2 in arguing that social capital mediates the direct relationship between social media strategic capability and performance, we ran bootstrapping analysis (Streukens & Leroi-Werelds, 2016) to test the significance of the mediating effects. In bootstrapping analysis, the subsamples are created randomly from the original data to ensure the stability of the results. As suggested by Hair et al. (2021b), bootstrapping can be used to investigate the indirect effects such as the mediating effect within the structural models. We found a significant indirect relationship between social media strategic capability and performance through social capital based on the bootstrapping findings ($\beta = 0.169$, p-value < 0.01) as appeared in Table 4. The results support our second hypothesis revealing evidence of mediating relationship of social capital. Regarding the control variables used in this study, it was discovered that founder education and size were significantly associated with performance. Performance is
positively impacted by size as determined by the number of employees ($\beta = 0.373$, p-value < 0.01). Conversely, we found that the founder's education negatively influences the performance ($\beta = 0.162$, p-value < 0.10) as the education is higher, the performance seems to be lower.

Table 4. The results of PLS-SEM analyses

|                      | \(\beta\) | S.E. | t   | P-value |
|----------------------|-----------|------|-----|---------|
| Control Variables    |           |      |     |         |
| Age                  | 0.007     | 0.093| 0.074| 0.941   |
| Size                 | 0.373     | 0.082| 4.558| 0.000   |
| Service              | 0.011     | 0.071| 0.154| 0.877   |
| Founder Gender (Male)| 0.122     | 0.072| 1.708| 0.090   |
| Founder Education    | -0.162    | 0.086| -1.880| 0.062   |
| Direct Effects       |           |      |     |         |
| SMSC                 | 0.519     | 0.083| 6.235| 0.000   |
| Social Capital       | 0.387     | 0.099| 3.902| 0.000   |
| Indirect Effect      | 0.169     | 0.050| 3.327| 0.001   |

4. Discussion

This study intends to investigate the variables impacting the performance of startups while highlighting the influence of social capital and social media strategic capability (SMSC). SMSC reflects the ability to utilize social media in achieving strategic goals (Nguyen et al., 2015; Zhang & Zhu, 2021) which has been argued to drive better performance. Based on the dynamic capability perspective (Eisenhardt & Martin, 2000; Teece et al., 1997), startups who use social media strategically are seen as highly adaptable organizations with knowledge gathered from both internal and external sources (Ngammoh et al., 2021a). According to our results, this study found the support for the importance of social media for startup organizations. Particularly, we found that in the emerging economy context, SMSC significantly influences the performance of startups. The findings extend the limited generalizability of social media impact on startup organization (e.g., Gloor et al., 2020) and respond to the call for more social media research in entrepreneurship.

Furthermore, we also found the support for the mediating effect of social capital toward the direct relationship between SMSC and performance. It is evident that in better explaining the effects of social media on startups, social capital plays a significant role in this impact. This research offers concrete evidence that social media can be a significant source of social capital within a business, which can improve performance. The findings of this study are in line with earlier studies that claim social media is a crucial tool for promoting community and networking (Bucher, 2015; Mumi et al., 2018) as well as extending social media research into how startup businesses might use the social media to create higher social capital.

The results of this study contribute to the theoretical implications at least two folds. First, the study extends the concept of dynamic capability for startup organizations, especially in arguing and testing those startups that utilize social media for their competitive advantages. Although the study of dynamic capabilities has been established in the literature, few research has investigated the importance of social media in this domain. By extending the study of Ngammoh et al. (2021a), one of the strategic tools for businesses to stand out is social media, which can also be used to gather both internal and external knowledge. Second, this study adds to the body of knowledge on using social media for entrepreneurship and offers empirical support for its strategic application (Mumi et al., 2019). Despite the emerging attention toward this domain, the literature regarding social media for entrepreneurship is still nascent with more areas to be explored (Mumi, 2020; Schjoedt et al., 2020). This study is one of the limited evidence-based arguments for the advantages of social media and social capital in the context of startups.

Additionally, this study offers managerial contributions to startup firm founders and managers in understanding the significance of social media. A startup or emerging organization's strategic usage of social media is essential for growing the business. More particularly based on the findings of this study, the founders and managers can be aware that social media can be used for enhancing internal and external networking in addition to marketing. Social media can be one of the tools for affecting performance via the cognitive, structural, and relational dimensions of social capital.

The limitations of this study should also be taken into consideration along with the findings. First, the study's scope is applicable to the context of an emerging economy, with data for the analysis coming from startups in Thailand. As Thailand is considered one of the nations with larger numbers of innovative and entrepreneurial organizations (Ackaradejruangsri et al., 2022) that can be a suitable context for this study, the results regarding the startups might be different for various geographical landscapes and cultures. Future studies could also investigate the influences of social media through social capital toward startup performance in different contexts to see whether the results are generalizable. Also, with the limited sample size, the results should be carefully interpreted. Although the study employed the PLS-SEM for structural analyses with testing of the proposed relationships that is argued to be appropriate for a small sample size (Hair et al., 2017a; Williams et al., 2015), the future study could be more beneficial with a relatively larger sample size. Finally, the study of social media-related research in the entrepreneurship domain is still limited. This study shows how social media might affect performance while emphasizing the mediating role of social capital. There could be various mediating effects awaiting to be explored in future studies. For example, social media as the source of internal and external knowledge could improve performance through various organizational behaviors such as teamwork, adaptability,
employee loyalty, or entrepreneurial orientation. Also, the use of social media for startups may be different than larger companies. For example, startups may utilize social media for gathering investment (Mumi et al., 2019) or crowdsourcing different tasks.

Conclusions

Startup businesses rely on innovative ideas to provide business solutions in order to grow rapidly and sustainably (Benson & Ziedonis, 2009; Szarek & Piecuch, 2018). Startups also encounter various risks associated with high uncertainty and limited resources (Salamzadeh & Tajpour, 2021; Zahra, 2021). As a result, attempts have been undertaken to investigate the factors that contribute to startups' success. This study is among the limited studies that provide greater insights of how social media could influence performance in the entrepreneurship domain (Olanrewaju et al., 2020; Schoedt et al., 2020), especially in the startup context. Based on the dynamic capabilities perspective and the results from the data of 128 startups, we found that social media as a startup’s strategic capability could improve performance through social capital that comprises three dimensions – cognitive, structural, and relational. Despite the study of the social media and social capital (Ali-Hassan et al., 2015; Bharati et al., 2015; Chen & Li, 2017), this research presents the initial investigation into how social media and social capital may affect startup performance both directly and indirectly. The results reveal the empirical evidence extending the dynamic capabilities perspective and social media research in entrepreneurship, particularly suggesting that startups can yield great advantages from developing the capability regarding social media for achieving organizational sustainability.

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