The Effect of IT Acceptance on Business Performance Mediated by IT Capability, IT Adoption, and Digital Marketing: Empirical Study of Small and Medium Industries Weaving

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ABSTRACT

Technological improvements positively affect increasing business performance across industries, including large, medium, and small scale. Therefore, this study proposes to explain the impact of IT acceptance on business performance mediated by IT capability, IT adoption, and digital marketing in the weaving industry in West Kalimantan, Indonesia. The total population 139, We have transferred a questionnaire survey on 128 small and medium enterprises in the weaving industry that used information technology to support their business using purposive sampling. To answer the research hypothesis, we used the SEM method and partial least square for statistic analysis. The results of the research have confirmed that IT acceptance affects IT capability and adoption. IT adoption affects digital marketing and business performance. Finally, IT capability affects business performance. Meanwhile, IT capabilities do not affect digital marketing, and digital marketing does not affect business performance. This study's outcomes serve as guidelines for weaving SMIs members in planning the alignment of business strategies with information technology support to improve their business performance.

Keywords:

IT Acceptance, IT Capability, IT Adoption, Digital Marketing, Business Performance, Small Medium Enterprise Industry.

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Introduction

The impact of economic globalization and the rate of technological development has accelerated changes in the business environment, made markets more competitive, shortened product life cycles, and reduced profit margins (Wiyadi, 2009). Business players in the small and medium industry are required to innovate sustainably to be competitive. Competitive advantage starts with marketing online. To achieve a competitive advantage, they need information technology capabilities (Chen et al., 2014) because it positively impacts companies, saving operational costs and building a competitive advantage based on information technology (Chinomona, 2013).

Business transformation to an electronic business is an essential process by implementing information systems and Internet-based information technology (IT/IS), so information technology-based innovation is essential for implementing electronic business strategies (Yu & Tao, 2009). Information systems are considered a developing information technology innovation and are essential in providing opportunities for businesses to increase business efficiency and effectiveness and even gain a competitive advantage (Hoti, 2015).

The small medium industries (SMI) business's performance opening high business is opportunities, increasing business transformation, improving business performance through innovation, marketing, efficiency, quality, and responsiveness to customers (Susanty, Jie, & Helvipriyanto, 2012). Information technology is not a magic item in Indonesia. Along with its development, information technology has changed the previous paradigm into the technology needed by organizations to support their business performance. The adoption of information technology is the key to success for management to develop and win the competition because currently, companies are required to meet community needs and market share (Nugraha,2014).

This research explicitly discusses the importance of IT acceptance, IT capability, IT adoption, and marketing in improving digital business performance in SMIs weaving to provide recommendations for frameworks for creating a business performance in SMIs weaving in Indonesia. The IT capability variable in the research of Ho-Chang Chae and V.R. Prybutok (2014) states that there is a significant relationship between IT capabilities and business performance. The IT adoption variable in the research of M Ghobakhloo et al. (2012), states that IT has become an indispensable tool for the daily operations of an organization, and likewise stated in research I Salamah and RD Kusumanto (2017 that the role of IT in the business world is very especially in supporting the marketing process and the efficiency of administrative work, however in general IT adoption is still low. The IT capability variable in JK Nwankpa and Y Roumani's (2016) research states that IT capability has a positive effect on business performance.

Literature Review and Hypotheses Development

1.1. IT Acceptance on Business Performance Resources can be considered as inputs that enable a company to carry out its activities. Internal resources and capabilities determine the strategic choices companies make while competing in their external business environment. The company's capabilities also allow several companies to add value to the customer value chain, develop new products, or expand new markets. Utilize the organization's resources and capabilities to develop a sustainable competitive advantage (Madhani,2010).

Resources owned by a company are the main determinants of its performance, while according to other researchers, information technology has an impact on organizational performance (Melville, Kraemer, & Gurbaxani, 2004). The use of technology in business management in SMIs can increase innovation and added value to businesspeople. It can be seen from task suitability or what is called Task Technology Fit (TTF), where the use of information technology will impact business performance if it is appropriate to carry out the tasks it is supporting (Purnomo,2011).

Organizational decisions to invest in information technology are generally based on several reasons, i.e., demands to cut costs, demand to produce more products without increasing costs, and improve the quality of services or products (Legris, Ingham, & Collerette, 2003). IT capabilities are shaping organizational outcomes in the form of productivity, growth, and innovation. Initial implications for industry in the form of competitive advantage (innovation performance generated from the industry) can be obtained from IT capabilities (Zhu, 2004), and IT capabilities can be utilized for innovation purposes (L. Raymond, Uwizeyemungu, Fabi, & St-Pierre, 2014).

Apart from innovation goals, the industry must identify the role of information technology (IT) in supporting innovation, such as new product development processes and contributions to organizational innovation performance (L. Raymond et al., 2014). Companies with a flexible information technology infrastructure can utilize existing information technology resources to carry out business strategies and support the necessary structural changes (Kim, Shin, Kim, & Lee, 2011). Thus, IT capability will be a valuable asset for the organization in maintaining a competitive advantage in the market. IT management is a centrally controlled or heterogeneous IT function in various companies and is manifested by the gathering of Information Technology processes in planning, investment decision making, management coordination. and control. IT capability is defined as Information Technology staff's ability to manage resources and turn them into business value in an organization (Kim et al., 2011).

1.2. IT Capability on Business Performance

IT capabilities have a significant impact on business performance (Liu, Zhao, Wang, & Xiao, 2013), where the use of IT resources by companies will be able to provide users with accurate, timely, and reliable data and information (Mithas, Ramasubbu, & Sambamurthy, 2011). Information Technology Capability is defined as a company's efforts to acquire, deploy and reconfigure IT resources concerning other

resources. Information technology impacts many aspects of large and small businesses, where the concept of a strategic information system consists of IT Technical Capabilities and IT Managerial Capabilities. IT technical capability is referred to as a critical IT component and is a part of IT resources. IT managerial ability is defined as the management's ability to understand, develop, and utilize information technology to support and improve the business. This managerial ability consists of an IT manager's ability to understand business needs, managers' ability to develop applications, coordinate IT activities to support business functions, and anticipate future IT needs (Jun, 2008). The impact of the diffusion of information and communication technology (ICT) in an organization can rapidly change the industry and business economy (Fabiani, Schivardi, & Trento, 2005; Ongori & Migiro Stephen, 2010). New technologies enable and facilitate a wide of business activities variety related to information storage, processing, distribution. transmission, and reproduction.

Research on the relationship between IT capabilities and business performance has been done a lot. A study states that there are still limitations and problems that need to be addressed further research, which must identify in organizational groups with different characteristics such as size, industry, and information in the organization (Chae, Koh, & Prybutok, 2014).

1.3. IT Adoption on Business Performance

Information technology has gradually become one of the strategic factors for company development (Soerin, 2015). Many have studied theoretical perspectives on adopting new technologies (Grandón, Nasco, & Mykytyn, 2011). The TOE Framework (technology, organization, and environment) is a model that studies the adoption of information technology from the point of view of company characteristics related to technology and organizations as a driver of innovation. The TOE framework recognizes the significant role of the environmental context, which refers to the industry, competitors, and transactions with the government - in which companies adopt and implement technological innovations (Giotopoulos, Kontolaimou, Korra, & Tsakanikas, 2017).

Information technology acts as a driving force for organizations in increasing competitiveness and

efficiency. Recent empirical studies report inconsistent findings of the impact of Information organizational Technology on performance. Information quality, operating efficiency of business processes, ability to manage and coordinate operational activities, flexibility and company control systems, customer satisfaction, and corporate financial performance (Zeng & Zheng, 2008) impact companies were adopting information technology.

Aspects of communication, access to information, decision making. data management, and knowledge management in organizations are strategic aspects of an organization that require support for information technology (Adeosun, Adeosun, Adetunde, & Adagunodo, 2008). The importance of SMIs in adopting IT is also strengthened by Apulu and Latham (2011). It is stated that the importance of IT adoption by SMIs will provide the ability to provide services and better competitiveness to provide positive value for organizational performance. Apart from that, Hengst and Sol (2001) also argue that the adoption of information technology will provide benefits, namely reducing costs, increasing the ability to communicate and coordinate with external parties to the organization, and business benefits.

1.4. Digital Marketing on Business Performance

The adoption of Electronic Marketing (EM) by Small Business Enterprises (SBEs) can improve marketing performance and increase marketing effectiveness through reducing costs resulting from using EM technologies and tools (Internet, email, mobile, others). This cost reduction results from using EM to increase company profitability, which will lead to better marketing effectiveness (Avlonitis & Karayanni, 2000; Furnell & Karweni, 1999; Honeycutt, Flaherty, & Benassi, 1998; Lynn, Lipp, Akgün, & Cortez, 2002)

Web marketing has been increasingly used for commercial activities in electronic, digital, or cyber commerce (Nour,2006). Web pages are used commercially by companies of all sizes to increase revenue, increasing efficiency, or strengthening competitive advantage. Benefits for commercial companies that use the web include online storefronts for their products, interactive sites, information search facilities, incentivized content, and internet use (Nour,2006). Meanwhile, the function of marketing is promotion, sales, delivery, and support (Kotler, Keller, Ang, Tan, & Leong, 2018).

Market competition and business environment are currently changing rapidly, so companies must adopt information technology to improve their business operations (Christmann, Falkner, Horch, & Kett, 2015). Information technology is a company asset in business competition and helps employees to complete their work. Therefore, information technology will include Information Information and Communication Systems, Technology, the internet, and infrastructure, including computer hardware and technology that processes or transmits information to increase individuals and organizations (Ghobakhloo, Hong, Sabouri, & Zulkifli, 2012).

1.5. *Hypothesis Development*

IT capabilities are seen to shape organizational outcomes in the form of productivity, growth, and innovation. The industry's initial implications in competitive advantage (innovation performance resulting from the industry) can be obtained from IT capabilities (Zhu, 2004). IT capabilities can be utilized for innovation purposes (L. Raymond et al., 2014). Apart from innovation goals, the industry must identify the role of information technology (IT) in supporting innovation, such as product development processes new and contributions organizational innovation to performance (L. Raymond al., 2014). et Companies with a flexible information technology infrastructure can utilize existing information technology resources to carry out business strategies and support the necessary structural changes (Kim et al., 2011). Thus, IT capability will be a valuable asset for the organization in maintaining a competitive advantage in the market. IT management is a centrally controlled heterogeneous IT function in or various companies and is manifested by the gathering of Information Technology processes in planning, investment decision making, coordination, and control. IT management capability is defined as Information Technology staff's ability to manage resources and turn them into business value in an organization (Kim et al., 2011). This study will test the formulated hypotheses:

H1: IT acceptance affects the IT capability.

Information technology has gradually become one of the strategic factors for company development (S. Bipat & Sneller, 2015). Theoretically, much has been studied from a theoretical perspective on adopting new technologies (Grandón et al., 2011). The TOE Framework (technology, organization, and environment) is a model that studies the adoption of information technology from the point of view of company characteristics related to technology and organizations as a driver of innovation. The TOE framework recognizes the significant role of the environmental context that refers the industry, competitors. to and transactions with the government - in the process by which companies adopt and implement technological innovations (Giotopoulos et al., 2017). This study will test the hypotheses formulated:

H2: IT acceptance affects IT adoption.

IT capability has a significant impact on business performance (Liu et al., 2013). Companies' use of IT resources will provide users with accurate, timely, and reliable data and information (Mithas et al., 2011). Information technology capability is defined as a company's efforts to acquire, deploy, and reconfigure IT resources concerning other resources. Information technology impacts many aspects of large and small businesses, where the concept of a strategic information system consists of IT technical capabilities and IT managerial capabilities. IT technical capability is referred to as a critical IT component and is a part of IT resources. IT managerial ability is defined as the management's ability to understand, develop, and utilize information technology to support and improve the business. This managerial ability consists of an IT manager's ability to understand business needs, managers' ability to develop applications, coordinate IT activities in support of business functions, and anticipate future IT needs (Jun, 2008). The impact of the diffusion of information and communication technology (ICT) in an organization can change the industry and business economy rapidly (Fabiani et al., 2005; Migiro Stephen, Ongori & 2010). New technologies enable and facilitate a wide variety of business activities related to information storage, processing, distribution, transmission, and reproduction.

Research on the relationship between IT capabilities and business performance has been carried out. A study states that there are still limitations and problems that need to be addressed further research, which must identify in organizational with different groups characteristics such as size, industry, and information in the organization (Chae et al., 2014). This study will test the hypotheses formulated:

H3: IT capability affects digital marketing.

Small and medium industry (SMI) has a role as one of the national economy pillars, focusing on the central and regional governments' attention in its development. One component of concern is the mastery of information technology by industry players. In marketing, the use of information technology in IKM in big cities has become a trend nowadays because it is considered to have diversity in supporting the marketing of SMIs products, which have the characteristics of home/handmade products with a limited production amount (Pane, 2014).

Information technology is an enabler for increasing the efficiency and competitiveness of an organization. Recent empirical studies report inconsistent findings of the impact of Information Technology on organizational performance (Zeng & Zheng, 2008). This study will test the hypotheses formulated:

H4: IT adoption affects digital marketing.

The innovation ability of a company can impact its business performance (Thaker, 2011). Successful innovation is increasingly seen as a contributing factor to higher business performance in some industries and sectors and can strengthen company profits and help companies survive in the market (Gunasekaran, Forker, & Kobu, 2000; Jiménez-Jiménez & Sanz-Valle, 2011). This study will test the hypotheses formulated:

H5: Digital marketing affects business performance.

Advances in cloud computing open up new opportunities for cloud applications (Dubey & Mishra, 2017). The use of cloud applications. namely Facebook, Twitter, YouTube, Instagram, others (Dubey & Mishra, 2017). The relative advantages of implementing cloud computing services can increase business communication speed. the efficiency of inter-company coordination. customer communication. and access to market information mobilization (Armbrust et al., 2010). This study will test the formulated hypotheses:

H6: IT capability affects business performance.

Market competition and business environment are currently changing rapidly, so companies must adopt information technology to improve their business operations (Christmann et al., 2015). Information technology is a company asset in business competition and helps employees to complete their work. Therefore, information technology will include Information Systems, Information and Communication Technology, the internet, and infrastructure, including computer hardware and technology that processes or transmits information to increase individuals and organizations (Ghobakhloo et al., 2012). This study will test the formulated hypothesis:

H7: IT adoption affect business performance



Fig 1. Research Conceptual Model

Method

The data analysis method in this quantitative research uses descriptive analysis method with SEM-PLS as data analysis software.

1.6. Sample and data collection

This study used population 139 primary data collected from all IKM players in West Kalimantan Province. However, only 128 business actors were considered to have adopted IT in running their business, such as e-mail, Instagram, Facebook, and WhatsApp. During the data collection process, the questionnaire was filled directly by the respondent and accompanied by the researcher. Data collection lasted for two months and using a purposive sampling technique. 1.7. *Measurement*

To measure each construct, we develop and adopt indicators that have been used by several studies, as shown in Table 1.

Construct	Indicator	References
IT Acceptance	quickly complete, more	DeLone (1988). King and He (2006). Bruner
F	productive, increased	and Kumar (2005), Legris et al. (2003); Ha
	effectiveness, easy to learn,	and Stoel (2009); Davis (1989); Venkatesh
	flexible	and Bala (2008), Lee, Kozar, and Larsen
		(2003), Koufaris (2002)
IT Capability	suitable infrastructure,	Bai and Guo (2013), Liu et al. (2013); Kim et
	standardized, transparent, can	al. (2011), Bhatt and Grover (2005), Garrison,
	handle multiple applications, uses	Wakefield, and Kim (2015), Bharadwaj,
	it standards, business strategy,	Sambamurthy, and Zmud (1999); Fink and
	competitive priorities, business	Neumann (2007), Zhang and Lado (2001),
	policies, business opportunities,	Wang and Ahmed (2007).
	change in organization, trust,	
	defining strategy, business and it	
IT Adoption	benefits, TI user compatibility, TI	Alshamaila, Papagiannidis, and Li (2013),
	infrastructure support	Alam and Noor (2009), Ramdani, Kawalek,
	compatibility, top management	and Lorenzo (2009), Esteves (2009); Oh et al.
	support, organizational readiness,	(2009), Shiau, Hsu, and Wang (2009), Louis
	information strengthening	Raymond and Bergeron (2008), Jeon, Han,
	business services, government	and Lee (2006), Kaynak, Tatoglu, and Kula
	support, consumer readiness,	(2005), MacGregor Robert and Vrazalic
	vendor support	(2005), Grandon and Pearson (2004), Stockdola and Standing (2004), Cibba and
		Stockdale and Standing (2004), Globs and K_{raemer} (2004)
Digital	participation in product design	Morgan (2012) Ritz Wolf and McOuitty
Marketing	product innovation information	(2019) Quinton and Simkin (2017) Todor
Warkeing	availability online price	(2016): Ainin Parveen Moghavyemi Jaafar
	negotiation dynamic pricing	Noor and Mohd Shuib Nor (2015) Dahnil
	price lists, disintermediation.	Marzuki, Langgat, and Fabeil (2014).
	secure payment. ease of	Talukder, Kerrisk, Ingenhoff, Garcia, and Celi
	communication, online	(2013), Taiminen (2016), Shaltoni Abdel,
	promotion, consumer	West, Alnawas, and Shatnawi (2018), Rathi
	participation	and Arora (2019)
Business	product innovation, increase in	Venkatraman and Ramanujam (1986),
Performance	the number of products sold,	Prajogo (2016), Sin Leo and Tse Alan (2000),
	quality of work, target	Hannan, Freeman, and Meyer (1976), Diao
	achievement, timeliness, process	and Bhattacharya (2008), Briffaut and
	innovation, delivery,	Saccone (2002), Gibson, Invancevich, and
		Donnelly (1994), R. G. Cooper (1979), Robert
		G. Cooper and de Brentani (1991), Ali,
		Kraptel Jr., and LaBahn (1995), Atuahene-
		Gima (1995), Chung, Hsu, Tsai, Huang, and
		1 sai (2012)

Data Analysis and Result

This research's main objective is to identify the influence of IT acceptance on business performance mediated by IT capability acceptance, information technology adoption, and digital marketing. The research model uses structural equation modeling techniques with the partial least square approach. PLS-SEM is a multivariate technique capable of processing latent variable models, predicting relationships between variables, and testing or predicting theoretical models that have been conceptualized based on literature (Chin & Newsted, 1999; Sosik, Kahai, & Piovoso, 2009).

The use of IT by 128 IKM Tenun owners as a marketing medium for woven products can be grouped based on their education level. For the Facebook application, 5.46% (7 people) have been used by the elementary education level, 16.40% (21 people) by the SMA / SMK / MA education level, 11 people with junior high school education, 8.59% (5 people) by college education level and 6.25% (8 people) have been used by IKM Tenun owners who have not graduated from school. For the Instagram application, 1.56% (2 people) have been used by the elementary education level, 5.46% (7 people) have been used by the SMA / SMK / MA education level, 3.12% (4 people) have been used by the education level Junior high school, 33.33% (4 people) have used it by higher education levels and 2.34% (3 people) have used it by IKM Tenun owners who have not graduated from school. For the whatsapp application, 14.84% (19 people) have been used by the elementary education level, 29.6% (38 people) have been used by the SMA / SMK / MA education level, 12.5% (16 people) have been used by the education level SLTP, and 3.90% (5 people) have been used by the owners of IKM Weaving who did not finish school. For the Message / SMS application 6.25% (8 people) have been used by the elementary education level, 18.75% (24 people) have been used by the SMA / SMK / MA education level, 4.68% (6 people) have used it level of junior high school education, has been used 2.34% (3 people) by the level of higher education. For the e-Mail application, 1.56% (2 people) have been used by the SMA / SMK / MA education level, and 3.12% (4 people) have been used by the tertiary education level.

The measurement model is first tested to check the reliability and validity of construct measures, followed by structural model analysis to obtain path coefficients between constructs. The measurement model and structural model use the second-order approach.

1.8. The Goodness of Fit Data

The results of the confirmatory factor analysis with the second-order are presented in Table 2. The results of the initial testing of the research model, some indicators had a loading factor value of less than 0.5, so they were excluded from the model. All loading factor and loading factor values on the second-order between the indicators and dimensions are statistically significant—the fit measure results in a satisfactory model fit. Besides, the extracted average variance value is between 0.603 to 0.832. These values are all above the recommended level of 0.50 (Fornell & Larcker, 1981). The composite reliability (CR) value exceeded 0.70 for each of the five constructs (Hair Joseph, Risher Jeffrey, Sarstedt, & Ringle Christian, 2019). Furthermore, all item loadings on the observed variables are significant and exceed 0.50 (Steenkamp & van Trijp, 1991). Based on the model's measurement results, we believe that the measurement scale's convergent validity has been achieved.

Correlations between constructs were calculated to confirm the discriminant validity results (Anderson & Gerbing, 1988). The results show that each variable's discriminant validity has a correlation score ranging from 0.719 to 0.902; the value is still below 0.95 (Fornell & Larcker, 1981). Overall, the results show the reliability and validity of the second-order factors are satisfactory.

Dimensi	SLF	Code	SLF	CR	CA	AVE
Perceived	0.887	PTI1	0.794	0.868	0.772	0.688
Usability		PTI2	0.890			
		PTI3	0.801			
		PTI4	NV			
		PTI5	NV			
		PTI6	NV			
Perceived Ease of	0.831	PTI7	0.900	0.897	0.771	0.813
Use		PTI8	NV			
		PTI9	NV			
		PTI10	0.904			
		PTI11	NV			
		PTI12	NV			
	Dimensi Perceived Usability Perceived Ease of Use	DimensiSLFPerceived0.887Usability	DimensiSLFCodePerceived0.887PTI1UsabilityPTI2PTI3PTI3PTI4PTI5PTI6PTI6Perceived Ease of 0.831PTI7UsePTI8PTI9PTI10PTI11PTI12	Dimensi SLF Code SLF Perceived 0.887 PTI1 0.794 Usability PTI2 0.890 PTI3 0.801 PTI4 NV PTI5 NV PrI6 NV Perceived Ease of 0.831 PTI7 0.900 Use PTI8 NV PTI9 NV PTI10 0.904 PTI11 NV PTI12 NV	Dimensi SLF Code SLF CR Perceived 0.887 PTI1 0.794 0.868 Usability PTI2 0.890 PTI3 0.801 PTI4 NV PTI5 NV PTI6 NV PTI6 NV Perceived Ease of 0.831 PTI7 0.900 0.897 Use PTI8 NV PTI9 NV PTI10 0.904 PTI11 NV PTI12 NV PTI12 NV	Dimensi SLF Code SLF CR CA Perceived 0.887 PTI1 0.794 0.868 0.772 Usability PTI2 0.890 PTI3 0.801 PTI4 NV PTI4 NV PTI5 NV PTI6 NV Perceived Ease of 0.831 PTI7 0.900 0.897 0.771 Use PTI8 NV PTI9 NV PTI10 0.904 PTI11 NV PTI12 NV PTI12 NV

raber 2. The Obouness of the Data

Constructs	Dimensi	SLF	Code	SLF	CR	CA	AVE
IT Capability	IT Infrastructure	0.870	KTI1	0.792	0.888	0.843	0.615
			KTI2	0.820			
			KTI3	NV			
			KTI4	0.788			
			KTI5	0.790			
			KTI6	0.727			
	IT Experience	0.956	KTI7	0.888	0.955	0.948	0.624
	•		KTI8	0.910			
			KTI9	0.933			
			KTI10	0.907			
			KTI11	0.848			
	Infrastructure	0.935	KTI12	0.875	0.926	0.881	0.808
	connection		KTI13	0.900			
			KTI14	0.921			
IT Adoption	Technology	0.874	ATI1	0.761	0.863	0.764	0.678
			ATI2	0.854			
			ATI3	0.851			
	Organization	0.929	ATI4	0.855	0.913	0.858	0.779
			ATI5	0.911			
			ATI6	0.881			
	Environment	0.779	ATI7	NV	0.819	0.670	0.603
			ATI8	0.764			
			ATI9	0.826			
			ATI10	0.736			
Digital Marketing	Product	0.881	PD1	0.851	0.889	0.812	0.727
			PD2	0.873			
			PD3	0.834			
			PD4	NV			
	Price	0.874	PD5	0.818	0.868	0.770	0.686
			PD6	0.869			
			PD7	0.797			
	Place	0.823	PD8	0.895	0.880	0.727	0.786
			PD9	0.878			
			PD10	NV			
	Promotion	0.881	PD11	0.870	0.88	0.790	0.700
			PD12	0.851			
			PD13	0.796			
Business	Effectiveness	0.870	KB1	0.755	0.840	0.713	0.637
Performance			KB2	0.868			
			KB3	0.768	0.000		
		0.873	KB4	NV	0.909	0.799	0.832
	Efficiency		KB5	0.905			
		0.007	KB0 KD7	0.919	0.000	0.750	0.007
	A 1 / /*	0.885	KB/	0.900	0.892	0.758	0.805
	Adaptation		КВЯ	0.895			
			КВУ	NV			

NV: not valid

Table 3. Fornell-Larcker Criterion

	Z1.3	¥2	Z1.1	Z1.2	¥3.2	¥1.3	¥1.1	¥1	Z	¥2.3	¥2.2	¥3	X	¥1.2	X1.1	X1.2	¥3.1	¥3.4	¥2.1	¥3.3
Z1.3	0.897																			
Y2	0.637	0.719																		
Z1.1	0.642	0.660	0.798																	
71.2	0.704	0.605	0.609	0.912																
¥3.2	0.402	0.550	0.413	0.434	0.828															
Y1.3	0.513	0.736	0.545	0.533	0.404	0.899														
Y1.1	0.536	0.684	0.529	0.460	0.399	0.721	0.784													
Y1	0.607	0.763	0.621	0.577	0.456	0.935	0.870	0.790												
Z	0.885	0.725	0.870	0.873	0.476	0.607	0.582	0.688	0.753											
Y2.3	0.455	0.779	0.489	0.467	0.521	0.452	0.482	0.491	0.538	0.776										
Y2.2	0.595	0.929	0.550	0.505	0.470	0.776	0.681	0.772	0.628	0.604	0.883									
¥3	0.457	0.672	0.496	0.492	0.874	0.495	0.479	0.556	0.551	0.640	0.568	0.736								
Х	0.454	0.604	0.287	0.395	0.473	0.499	0.549	0.553	0.427	0.542	0.553	0.579	0.742							
Y1.2	0.605	0.701	0.623	0.583	0.447	0.885	0.717	0.956	0.690	0.435	0.698	0.549	0.492	0.898						
X1.1	0.425	0.459	0.207	0.348	0.388	0.392	0.445	0.439	0.366	0.409	0.446	0.486	0.887	0.386	0.830					
X1.2	0.351	0.593	0.295	0.332	0.432	0.476	0.504	0.521	0.371	0.535	0.511	0.516	0.831	0.469	0.482	0.902				
Y3.1	0.451	0.682	0.533	0.517	0.684	0.500	0.477	0.556	0.573	0.613	0.568	0.881	0.492	0.547	0.390	0.465	0.853			
Y3.4	0.394	0.548	0.349	0.366	0.663	0.409	0.403	0.463	0.421	0.576	0.491	0.881	0.502	0.455	0.454	0.408	0.706	0.839		
Y2.1	0.583	0.874	0.673	0.597	0.451	0.632	0.584	0.675	0.709	0.491	0.747	0.554	0.475	0.647	0.330	0.502	0.604	0.372	0.823	
¥3.3	0.310	0.525	0.415	0.366	0.675	0.385	0.363	0.434	0.418	0.485	0.409	0.823	0.559	0.438	0.469	0.495	0.605	0.664	0.486	0.886
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1.9. Hypotheses Testing

The second step in PLS is a structural model measurement to answer the hypothesis of IT acceptance on IT capability and IT adoption. IT capability and IT adoption of digital marketing. Finally, the influence of IT capability, IT adoption, and digital marketing on business performance.



Fig 2. Full Model Structural

Before testing the hypothesis, because it uses the second-order approach, we need to verify whether the first-order construct can be conceptually expressed by the second-order (Sarstedt, Ringle, Smith, Reams, & Hair, 2014). Table 4 illustrates that the first-order construct has a significant relationship with the second-order construct.

2nd order construct	1st-order construct	Std	T-Stats	p-values	R^2
Perceived Usability	IT Acceptance	0.887	38.304	0.000	0.787
Perceived Ease of Use	IT Acceptance	0.831	30.226	0.000	0.691
IT Infrastructure	IT Capability	0.870	34.146	0.000	0.758
IT Experience	IT Capability	0.956	121.919	0.000	0.914
Infrastructure connection	IT Capability	0.935	68.806	0.000	0.875
Technology	IT Adoption	0.874	40.912	0.000	0.763
Organization	IT Adoption	0.929	81.584	0.000	0.862
Environment	IT Adoption	0.779	17.248	0.000	0.606
Product	Digital Marketing	0.881	40.416	0.000	0.777
Price	Digital Marketing	0.874	30.723	0.000	0.764
Place	Digital Marketing	0.823	23.158	0.000	0.677
Promotion	Digital Marketing	0.881	34.402	0.000	0.776
Effectiveness	Business Performance	0.870	18.793	0.000	0.757
Efficiency	Business Performance	0.873	23.914	0.000	0.762
Adaptation	Business Performance	0.885	29.677	0.000	0.783

			_	
Table 4.	Establishment	of second-	order	constructs

Table 5. Hypotheses Testing							
Path	Std	T-Stats	p-values	Decision	R^2		

H1. IT Acceptance \rightarrow IT Capability	0.553	8.005	0.000	Accept	0.306
H2. IT Acceptance \rightarrow IT Adoption	0.604	9.271	0.000	Accept	0.365
H3. IT Capability \rightarrow Digital Marketing	0.104	0.919	0.358	Reject	0 456
H4. IT Adoption \rightarrow Digital Marketing	0.593	6.581	0.000	Accept	0.430
H5. IT Capability \rightarrow Business Performance	0.313	3.657	0.000	Accept	
H6. IT Adoption \rightarrow Business Performance	0.425	4.057	0.000	Accept	0.574
H7. Digital Marketing \rightarrow Business Performance	0.092	0.970	0.332	Reject	

Based on the structural model analysis (Figure 2), the five hypotheses tested are acceptable. In comparison, the two hypotheses are rejected, namely IT capability to a digital marketing (H3) and digital marketing to business performance (H7). The calculation results produce four linear equations.

The first model, IT acceptance of IT capability, produces a positive and significant direction ($\beta_1 =$ 0.553, T-stats 8.005, P-value 0.000) to accept H1. IT acceptance contributes to IT capability by 30.6% (R²=moderate). The second model, IT acceptance towards IT adoption, produces a positive and significant direction ($\beta_2 = 0.604$, Tstats 9,271, P-value 0.000 so that H2 is accepted. IT acceptance contributes to IT adoption by 36.5% (\mathbf{R}^2 = moderate). The third model is IT capability and IT adoption of digital marketing. IT capability to digital marketing resulted in a positive and insignificant direction ($\beta_3=0.104$, Tstats 0.919, P-value 0.358) so that H3 was rejected. Meanwhile, IT adoption of digital marketing resulted in a positive and significant direction ($\beta_4 = 0.593$, T-stats 6,581, P-value 0.000) so that H4 is accepted. Simultaneously, IT capability and IT adoption contribute to digital marketing by 45.6% (R^2 =moderate). The fourth model is IT capability, IT adoption, and digital marketing towards business performance. IT capability towards business performance resulted in a positive and significant direction ($\beta_5 = 0.313$, T-stats 3.657, P-value 0.000) so that H5 was accepted. IT adoption of business performance generates a positive and significant direction ($\beta_6 =$ 0.425, T-stats 4.057, P-value 0.000) to accept H6. Digital marketing on business performance produces a positive and insignificant direction (β_7 = 0.092, T-stats 0.970, P-value 0.332) so that H7 is rejected. IT capability, IT adoption, and digital marketing contributed to an increase in business performance by 57.4% (R²=moderate).

Discussion

Small and Medium Industries in Indonesia have an essential role and become the backbone of the national economy. It is based on its existence as the majority sector of the industrial population in Indonesia. The local government and central government share efforts to support the growth of SMIs. One of the strategies implemented is to encourage SMIs to collaborate by using information technology to strengthen SMIs competitiveness. Excellent resources are part of the underlying competitive advantage through a different process. Information technology resources have a positive effect on company performance and small and medium industries. Information technology plays a role in changing the process of doing business, making it easy to access information, improving services, and providing new opportunities and challenges for SMIs development.

Information technology is a set of tools that help business actors complete work and tasks related to information processing, store information, and transmit information. According to Weill (1992), there are three categories of IT use objectives, i.e., transactional, informational, supporting and strategic activities. SMIs members need to realize and understand that information technology plays a strategic role in providing competitive added value to their business processes. Therefore, the central and local governments synergize, supporting infrastructure, academics, and scholars in providing knowledge and skills to adapt to rapid IT developments.

Information technology for SMIs will encourage new economic behavior in a society that has developed and undergoes a shift in line with the business orientation that has shifted to a more complex and globally competitive direction. Limited capabilities in information technology are not only a phenomenon for organizations but also individuals. SMIs weaving actors come from different socioeconomic levels and educational levels to not be equated with information technology capabilities. Some need a long time to use IT tools, but many also only need a short time developments in information adapt to to technology. However, with the shift in business behavior in the current digital era, it is inevitable

for all business actors to have information technology that drives their business performance. The rapid development of information technology encourages businesspeople to plan business strategies in line with information technology. SMIs weaving can use information technology to improve business operations to be more efficient, and therefore changes in business processes are required. Changing business processes by utilizing information technology requires the support of standard information technology infrastructure to make it easier to carry out maintenance to prevent downtime. Besides, maintaining access to information is an important matter that must be considered because data cannot be lost, deleted, or damaged.

Strategies in building information technology capabilities at IKM Weaving can be through alignment of business strategies and IT strategies to create an advantage over SME weaving competitors. A business strategy can be decided based on SME weaving, and producing quality requires the collaboration information of information technology elements. SME weaving leaders must know what business strategies are genuinely in line with business needs and what information technology is currently available to support SME weaving business goals. Besides, weaving SMIs members have at least some knowledge related to business strategies and information technology.

The adoption of information technology by small and medium enterprises, which has been widely researched previously, shows quite good. SMIs Weaving has mostly used the internet in administration, promotion, and marketing activities. Information technology is beneficial for SMIs weaving in marketing its products because using information technology will obtain a broader market area, especially international market share. This capability shows an indication of the increasing competitiveness of woven SMIs.

When weaving SMIs adopt IT, they can follow the needs of their environment. The larger the industrial scale, the more IT will follow the scale of the industry. The IT adoption process falls into the low complexity category. It is because the application used is straightforward: limited for marketing. To increase their competitiveness, they need a strategy to grow IT adoption by collaborating with vendors in application development, user training, and maintenance. The development of applications and audience databases is adjusted to develop information technology and value-added innovations for woven SMIs. Currently, the direction of information technology has started from social media to mobile to real-time applications.

Promotion and marketing of business in today's digital era is no longer as simple as advertising business products in the media and waiting for potential customers. Currently, the media used are not only limited to newspapers, radio, and television. Media in the digital era is more varied and requires quality marketing content because it will determine online communication's success or failure.

Digital media has access to information without restrictions on time and place, so that the internet is needed to access it. These conditions change the way the audience (buyers) shop and buy from what was previously conventional. Product offerings from the industry have led to audiencespecific needs and are personalized as the audience believes more in what the media is saying. SMIs weaving can start by creating a website as a medium to introduce its products globally. They can also take advantage of Facebook Ads, LinkedIn, Twitter, Instagram, YouTube, e-mail marketing to direct consumers to the SMIs weaving website.

Sales made with digital media will affect the selling price of the product. Because sales are not made through physical stores, the product's selling price is lower than the physical store's selling price. The existence of the SMIs weaving product website or the online shop in digital media can be optimized by search engine optimization (SEO) so that it is easy to find and the customer can get the desired product information.

Information technology applications in business in today's digital era have played a role in improving operational performance and business management to gain a competitive advantage. Business performance management can help SMIs weaving adapt continuously to align the business to survive and grow.

The strategy in building business performance at woven SMIs is to identify the main factors that can provide added value, including customer satisfaction and excellent quality of woven products. Asset SMIs members to allocate resources used in business processes redesigned following these resources' allocation. The availability of information resources for SMIs weaving and infrastructure to collect and integrate data from various sources, including data storage systems, such as data warehouses and Datamart. It is adjusting applications that can support information services to both internal and external parties of the weaving SME to correct information users' decisions.

Previous research has also stated that IT capabilities to some extent determine business performance and IT Adoption contributes to improving business performance.

Implications and Conclusions

This study's theoretical implication shows that selecting appropriate information technology and resources can provide added value and services to its users. Information technology resources are acceptable for adoption when they are believed to supporters that be business can increase competitiveness significantly and affect organizational productivity. It refers to previous research related to the importance of business strategic performance in management (Venkatraman & Ramanujam, 1986). This study's results are reinforced by researchers Santhanam and Hartono (2003), who show that organizations' ability to utilize information technology can increase organizational performance (Soerin Bipat, Sneller, Visser, & Rouwelaar, 2018).

The results also show that improving business performance in woven SMIs in the current digital economy requires organizations to have the ability to manage and organize information technology resources that are aligned between business strategy and information technology. This alignment will be able to create added value and performance. increase business **Business** performance management has provided value to organizations to achieve alignment and, at the same time, an effective way of creating and implementing business strategies. (Frolick & Ariyachandra, 2006).

This study indicates that business performance in small and medium industries can be improved from an operational management perspective with information technology and business alignment. SMIs weaving is ready to accept and adopt information technology in business processes because many SMIs Weaving actors have used information technology to provide services to audiences (consumers). The SMIs weaving environment will quickly accept the adoption of information technology if it has easy use, provides benefits, and provides added value to the organization.

The acceptance and adoption of information technology in business processes will correlate with the capabilities of information technology. Information technology is a driver of business performance if SMIs can manage data, manage business process services. and distribute information Therefore. to users. an IT infrastructure is needed according to the SMIs environment, a leader who knows business strategy and the alignment of information technology and business relationships.

Along with the current development of information technology, where business competition is getting bigger in marketing products, weaving SMIs must develop strategies to market their products through the internet. marketing provides communicative Digital services based on relationships with customers to provide information on woven products, providing answers to questions asked, making it easier to make order transactions, others. For this reason, in Figure 3, we can see a framework that can be used by woven SMIs to create a business performance. Finally, we conclude that to create business performance in woven SMIs, they can pay attention to the picture framework below.



Fig 3. Recommendation to Increase Business Performance in SMIs Weaving Limitations and Further Research

This study uses an empirical study in West Kalimantan, Indonesia, with a population of 139 SMIs and 128 SMIS who use information technology and fill out questionnaires. The information technology used is Facebook, Instagram, WhatsApp, e-mail, SMS. For further research, it is expected to take samples from SMIs actors outside the province of West Kalimantan, Indonesia. Furthermore, we can explore other factors that have been studied in this study, that is the digital marketing capability for small and medium industries in Indonesia.

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