Factors Influencing Knowledge Management Implementation in Creative Industries

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ABSTRACT

Creative Industries (CI) gives a notable contribution to Indonesian economic growth. However, some subsectors in CI still have low performance in innovation and research & development. Hence Knowledge Management is suggested to be implemented to increase the performance of CI. This study is an exploratory study to investigate how KM implementation affects the Learning and Growth in CI. The aim of this study is to discover the factors in KM processes and KM enablers in CI. KM enablers are the factors that affecting KM which include organizational culture, people, technology and process. While KM processes consist of the process of KM which covers knowledge identification, knowledge storage, knowledge sharing, knowledge application and knowledge development. This paper explores KM enablers and KM processes from exploratory studies. Field observation was conducted to CI and then followed by an in-depth interview with several creative industries' owners, academicians, government and other organizations supporting CI. Several points related to KM enablers and KM processes in CI are identified from the study.

Keywords: Knowledge Management, KM Enablers, KM Processes, Creative Industries, Qualitative.

1. INTRODUCTION

The creative industry becomes popular started in the 1990s when policymakers at the United Kingdom's Department of Culture, Media, and Sport (DCMS) set up the Creative Industries Task Force (Flew, 2012). In Indonesia, the Creative Economy Agency (Badan Ekonomi Kreatif/Bekraf) was established in 2015. The objectives of this agency include cultivating, moving, increasing, and optimizing various points of marketing for national creative products and services both domestically and abroad. The creative economy in Indonesia contributed around 7.39 percent of the national Gross Domestic Product (GDP) in 2015 (Ministry of Tourism and Creative Economy, 2020). The growth of the creative economy from 2014 to 2015 is 4.38 percent. In 2014 the creative economy contributed to the GDP at IDR 784.87 trillion, while in 2015 the contribution increased to 852.56 trillion (Ministry of Tourism and Creative Economy, 2020). In addition, the creative economy gives job opportunities to Indonesia people. In 2016 the number of employees in creative industries was 16,909,690 personnel or about 14.28 percent of national employees.

As creative industries contribute to the country's economic growth, their personnel will involve in producing knowledge products. Thus, they should be considered as Knowledge Workers. Peter Drucker (1999) delivered the concept of Knowledge Workers which are considered as the most valuable asset of an organization. Knowledge-worker productivity is determined by several factors. One of the factors is that knowledge workers need to manage themselves. They need to have autonomy. In addition, continuing innovation has to be part of the work, the task and the responsibility of knowledge workers. They also require continuous learning as well as continuous teaching. Furthermore. the productivity of the knowledge workers has to obtain quality output (Drucker, 1999). Knowledge Management implementation can develop knowledge workers. Knowledge workers with good productivity are expected to improve the performance of the enterprises. Knowledge Management implementation can develop knowledge workers. Knowledge workers with good productivity are expected to

improve the performance of the enterprises.

Kaplan & Norton (1996) measures the

organization's performance across four linked perspectives: (1) financial, (2) customer, (3) internal business process, and (4) learning and growth. This research will study about knowledge management implementation to improve the performance of creative industries. The performance which will be measured in this research is the learning and growth.

The objective of this research is to discover how KM strategies and KM enablers help in improving the learning and growth in Creative Industries. This study is conducted from a comprehensive academic literature review, field observation and in-depth interview.

The paper is organized into five sections. The first section is the introduction of this research. In section two the literature related to the research objective is briefly discussed. Section three describes the method adopted to reach the research objectives. Then the proposed framework model is presented in section four. The last section is the conclusion and recommendation of the study.

Literature Review Creative Industries

Department of Culture, Media and Sport (DCMS), United Kingdom (UK) in 1998 first defined creative industries as those industries which have their origin in the individual's creativity, skill and talent and which have the potential for wealth and job creation through the generation and exploitation of intellectual property. Howkins (2001) explained that creativity is the ability to generate something new. This means the production by one or more people of ideas and inventions that are personal, original and meaningful. Creativity can also be defined as the process by which ideas are generated, connected and transformed into things that are valued (Flew, 2012). Indonesia established Creative Economy Agency in 2015 to develop creative economy.

Creative industries have been studied in various countries. Bagheri and Hamidizadeh (2015) studied Creative Industries in Iran. It is stated that Creative Organization Learning is based on strengthening creativity, enhancement of insights, generation of new viewpoints on existing ideas and constructively criticizing existing opinions on business. While Gwee (2009) in Singapore mentioned that creative industry or creative economy is linked to culture and cultural policy. Each country will have different types and regulation in creative industries. In Germany, Lange et all (2011) stated that creative industry is profit-oriented segment covering all enterprises, entrepreneurs and self-employed persons producing, marketing, distributing and trading profitoriented cultural and symbolic goods.

Knowledge Management

Knowledge Management (KM) is important in an organization to enable organizations to identify, promote and spread best practice while improving productivity and other kev performance measures (Martinsons, M.G et al, 2017). KM shall be applied in Creative Industries to maintain organizational knowledge. Organization knowledge sometimes is not able to be maintained when personnel leave the organization.

There are several definitions of Knowledge Management (KM). Durst and Wilhelm (2011) explained that KM can be divided into five core activities: identification, creation, storage, dissemination and the use of knowledge. The processes and structures provided to support different knowledge processes, such as transfer, storage and creation (O'Connor, C et al, 2017).

Knowledge Management Enablers

Various KM enablers have been discussed in previous studies. The enablers cover numerous aspects, such as organization culture, people, and technology. There are several organizational culture factors that affect KM which include collaboration, trust, care (Lee and Choi, 2003), leadership and management support (Lee et al, 2014). People is another aspect of KM enablers. Lehner et al (2010) found that staff member motivation and social relationships will affect KM implementation.

Technology also affect KM implementation. Information Technology (IT) support and application system enables KM implementation (Lee and Choi, 2003; Lehner *et al.*, 2010; Lee et al, 2014). Knowledge stores in database will be effectively kept in an organization. IT usage will help to create, store, share and use organizational knowledge.

Knowledge Management Processes

The KM process consists of several stages. A number of researchers have agreed to define KM as a strategy of KM processes. This involves knowledge creation, storage, and application (Durst and Wilhelm, 2011; Lee *et al.*, 2014) and also KM transfer and KM sharing

(Lee, 2014; O'Connor, 2016). In addition, KM can be explained as a process of creating, capturing, and using knowledge to enhance organizational performance (Evangelista *et al.*, 2010).

Learning and Growth

Implementing KM is expected to improve an organization's performance. Kaplan and Norton (2004) explained that there are four perspectives of performance: financial. customer, internal business processes, and growth. Furthermore. learning and organizational performance is divided into two categories: tangible and intangible.

Organizational learning and growth describes how people, technology, and the organizational climate combine to support a strategy (Kaplan and Norton, 2004). This perspective views organizational performance through the lenses of human capital, infrastructure, technology, culture, and other capacities that are keys to breakthrough performance. The objective in the learning and growth perspective is to provide an infrastructure that will enable achieving ambitious objectives in the other three perspectives. The objectives in the learning and growth perspective are the drivers for achieving excellent outcomes in the other three perspectives. The enablers for learning and growth primarily come from three sources: employees, systems, and organizational alignment. Strategies for superior performance will generally require significant investments in people, systems, and processes that build organizational capabilities. Therefore, learning and growth is an intangible asset used to achieve organizational targets.

Kaplan and Norton (2004) explained that learning and growth as an intangible asset has become decisive for sustainable value creation. The learning and growth perspective includes the objectives and measures for three intangible components that are essential for implementing any strategy:

- 1. Human capital: Human capital represents the availability of the employee skills, talent, and know-how required to perform the internal processes that are critical for the strategy's success.
- 2. Information capital: Information capital, consisting of systems, databases, libraries, and networks, makes information and knowledge available to the organization.

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3. Organization capital: Organization capital provides the ability to integrate so that individual intangible human and information capital assets, as well as tangible physical and financial assets, are not only aligned with the strategy but are integrated and work together to achieve the organization's strategic objectives.

The learning and growth as organization's performance is related to relationships with customers. employees and their skills. knowledge, and an organizational culture aimed at innovation, problem solving, and general business improvement. By constantly renewing knowledge, it is possible to create and add value, thus increasing the commercial transfer of skills and knowledge in applied experience (Jelenic, 2011). This study focuses on the learning and growth factors that affect product organizational innovation quality and performed.

2. RESEARCH METHODOLOGY

This study is an exploratory study. The primary purpose of the exploratory design is to generalize qualitative findings based on a few individuals from the first phase to a larger sample gathered during the second phase (Cresswell, 2011). The main aims of this research are to investigate how Creative Industries manage their knowledge and to identify the factors that influence knowledge management implementation.

On the basis of literature review, the following research questions are formulated:

R1. How are KM enablers applied in creative industries?

R.2. How are KM processes applied in creative industries?

R.3. How does KM help to improve the quality and innovation?

Data was collected using qualitative methods how Knowledge Management on is implemented in Creative Industries. This research started with field observation to capture the reality in knowledge management implementation in creative industries. Next, indepth interview to several creative industries' owners were conducted to conform the findings in literature and field observation. Content analysis was conducted to analyze the data from the body text. Figure 3 illustrates qualitative data analysis proses using directed qualitative content analysis (Miles, et.al, 2014).

Specify unit of analysis and select samples Decide main categories based on CoP key concept and define Operational Definition

Determine formative matrix of main and subcategories Developing open-ended questions according to study's aim and directed questions based on main categories

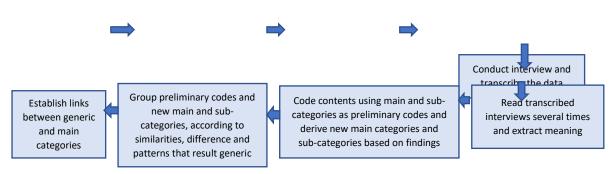


Fig. 1 Qualitative data analysis proses using Directed QCA (Miles, et.al., 2014)

Field Observation

The field observation was conducted to two Creative Industries to have the sense of KM practicing in Creative Industries. The process of KM implementation was overseen from this field observation. First observation was conducted in craft industry that produce woven bags. The workers are located four different provinces: West Java, East Java, East Kalimantan and South Sulawesi. Each location has a leader who supervises several workers. Owner only communicates with the leaders to request for the productions of woven bags with various designs, colors and sizes.

Second observation was held in batik industry which has experience for about 12 years. The workshop is located in the same area of the store. The batik making includes draw the pattern in the clothes, waxing and dyeing. Dressmakers are also working as this industry sell both batik fabrics and apparels.

		Industry A (Craft)	Industry B (Fashion)
KM Enablers	Culture	Owner manages almost all activities.	Family business with assist by several employees.
	People	Two assistants help in administration and marketing.	Motivated workers will stay longer in the organization.
	Technology	Craft making process and marketing are mostly manual. Social media is used for advertising and marketing.	Several information, such as pattern, color, design, are kept digitally. Social media and website are used for marketing purposes, besides the workshop.
KM processes	Knowledge Identification	Only owner identifies the knowledge.	Ownerdecidesmostofknowledgeidentificationbutopenfordiscussionwithemployees/workers
	Knowledge Storage	Non digital storage is still required to have some precise information, such as color and material.	Most information is kept in hardcopy form by the owner. The daughter of the owner is trying to store the knowledge in digital form.
	Knowledge Sharing	Owner gives information to the leaders located in different areas. The leaders then share the information to all workers.	More experienced workers will share the knowledge to new workers. In addition, the workers get several trainings from local government.
	Knowledge Application	Workers apply the knowledge based on leaders' instruction.	Workers will apply the knowledge according to the procedure given by the owner.

Table 1 The process of KM implementation process

Performance	Quality	First quality control (QC) is conducted by the leaders. If it is passed, the product will be sent to the owner. The owner then conducts second QC	Selection of good and consistent materials is important to get good and consistent qualified products.
	Innovation	innovation. Most of the	Most of the innovation are done by the owner. Sometimes some feedbacks are accepted from workers.

Craft Industry

This craft industry produces woven bag called kago bag since 2009. This industry is located in Bogor regency in West Java. However, the workers are spread in four other provinces: West Java, East Kalimantan, South Sulawesi and East Java. Each area has unique characteristic in term of raw material and color. An owner is located in Bogor assisted by two employees for administration and marketing function. A leader is assigned in each worker area which the owner communicates with the leader only.

The owner designed all kago bag including color and material selection. Normally pictures send to the leaders by mail to give precise material and color selection. Sending designed pictures by email or social media may give information shift, usually in color detail. The leaders are responsible with workers' training. After the products have completed, the leaders will send all products to the owner after quality control process. Then the owners will perform second quality control before sell the products. Some products are exported to Japan and South Korea. Others sell locally through bazar and social media. The bazar mostly is organized by expatriate communities in Jakarta.

Fashion Industry

It is a batik industry which started in 2008. The industry is located in Bogor. The shop and workshop is in one area. The batik making process starts from designing, waxing, dyeing until finishing. There are around twenty workers doing the process and two employees for administration. This Batik industry tries to promote local batik pattern, for example Bogor is known as a rainy city, they create a rain motif in one of their design. The owner with his family manages the business.

In-depth Interview

In-depth interviews were gathered to 10 owners of creative industries in West Java. West Java is a province in Indonesia where the number of SMEs is the third highest among 34 provinces in Indonesia. The province consists of 9 cities and 18 regencies. Based on National Statistics Bureau data in 2021, the following is the number of small medium and large industries in each city and regency in West Java Province. Table 2 Number of Small Medium and Large Industries in West Java in 2021, 10 biggest number (Open Data Jabar, 2021)

No	Regency/City	Number of SME
1	Bogor Regency	506,347
2	Bandung Regency	476,954
3	Bandung City	463,346
4	Sukabumi Regency	363,176
5	Garut Regency	349,863
6	Cirebon Regency	341,037
7	Cianjur Regency	338,612
8	Karawang Regency	315,388
9	Bekasi Regency	311,927
10	Bekasi City	274,143

Table 3.2 shows the numbers of small, medium and large industries in West Java province in 2021 (Open Data Jabar, 2021) for 10 biggest numbers. The data is sorted according to the city/regency which has the highest number of small, medium and large industries. Refer to the region. the respondents will be selected from the highest seven cities/regencies: Bogor Regency, Bandung Regency, Bandung City, Sukabumi Regency, Garut Regency and and Cirebon Regency. The selected industries have been established for at least three years and have more than 10 workers in order to ensure that knowledge management should have been implemented in those organization. In-depth interviews were also conducted to three government sectors, three academicians and four other organization which work together with creative industries. The detail participants are described in Table III.1.

No	Organization	Description	Note
1	A.1. Industry #1	Fashion and Craft Product	Fashion and Craft
2	A.2 Industry #2	Kago Bag	Craft
3	A.3 Industry #3	Batik Industry	Fashion
4	A.4 Industry #4	Shoes and Sandals	Fashion
5	A.5 Industry #5	Furniture	Craft
6	A.6 Industry #6	Shirt/Jersey with digital printing	Fashion
7	A.7 Industry #7	Kids and women's fashion	Fashion
8	A.8 Industry #8	Pottery	Craft
9	A.9 Industry #9	Moslem's fashion	Fashion
10	A.10 Industry #10	Shoes	Fashion
11	B1. University #1	Universitas Gunung Jati	Cirebon
12	B2. University #2	Institut Pertanian Bogor	Bogor
13	B3. University #3	Telkom University	Bandung
14	C1. Government #1	Bekraf	Central Government
15	C2. Government #2	Dinas Koperasi and UMKM Kab Bogor	Regional Government
16	C3. Government #3	Dinas Koperasi and UMKM Kab Cirebon	Regional Government
17	D1. Organization #1	Bibli	Marketplace
18	D2. Organization #2	BCCF	Non-Government Organization
19	D3. Organization #3	BJB	Regional Local Bank
20	D4. Organization #4	Sahabat UMKM	Non-Government Organization

Table 3 Respondents' profile for	r in-depth	interview
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In-depth interview is also known as unstructured interview for exploratory study. There is no predetermined list of questions to work through in this situation (Saunders et al, 2009). However, interview protocol is prepared to have clear idea about the aspects that need to be explored. All interviews were performed in the last semester of 2020 and took around 30 to 90 minutes. The questions dig up knowledge management enablers and processes in creative industries. All interviews were recorded and transcribed. The transcription is analyzed and coded, both manually and using NVivo application.

Interviews with creative industries were finalized to analyze the KM activities in their industries. Interviews with government, academician and other organizations were aimed at gaining information how they support creative industries in term of KM application. Overall, interviews intended to investigate the KM activities in creative industries.

How are KM enablers applied in creative industries?

KM enablers are the factors that support KM implementation in an organization. Lee, C.S (2014) explains KM resources and KM factors support KM performance management. KM resources consist of human capital, knowledge capital and intellectual property while KM factors include culture, management leadership and support, organizational infrastructure, strategy, resource and human resource management. This study focuses on culture, people and technology as KM enablers.

From the field observation, owners act as the leader in the creative industries. They set up the company's goals and decide all the products from the raw material selection, product design until marketing process. Owners give

3. RESULTS AND DISCUSSION

The section presents the result of the qualitative study analysis in relation to the research questions stated in Chapter 3.

instruction to the leaders or managers for the work process. Most trainings are given as tacit knowledge from leaders or senior employees. Workers attend the training from local government if the topics are suitable. As craft and batik industry are mostly handmade, less technology is used in the production process. However, CI uses marketplace as the technology in the marketing In-depth interviews were conducted to several actors in Creative Industries, Government, Academiaians and other organization

Academicians and other organization supporting Creative Industries. Government and Other organizations explained about Culture, People and Technology as KM Enablers. While Academicians focused more on technology.

Organization	KM Enablers		
	Culture	People	Technology
Creative Industries	Owners manage the business with little help from their assistants (A1, A2, A3, A4, A5, A6, A7, A8, A9, A10). Some creative industries are assisted by employees in the administration, management, and marketing (A1, A2, A3, A6).	Some industries hire experienced workers (A2, A5) while others recruit inexperienced personnel to be trained to do the jobs. Motivated personnel will stay longer in the organization (A3, A5, A7, A9).	Market place is used as marketing technology (A1, A2, A3, A4, A5, A6, A7, A8, A9, A10). Technology is applied in the production process (A1, A3, A4, A6)
	Employees may contribute to innovation (A3, A5, A6, A10).	Bonus and incentives will motivate workers to perform well (A2, A6).	
Government	SMEs found by personnel to fulfill their family's economy and recruit others as their workers (C2, C3).	People is trained to have innovated products/processes (C1, C2, C3).	Creative industries are mostly familiar with technology for marketing such as marketplace and social media (C1, C2, C3).
Academicians			Creative industries are actively using technology for marketing such as marketplace (B2, B3). As our university is technology basis, the

 Table 4 KM Enablers in Creative Industries

			funding from government is for creative industries which have technology aspects in their activity (B3).
			SMEs with older owner tend to avoid technology (B1, B2).
Others	Creative industries are in survival mode. They can survive by their ability to innovate (D2).	The personnel need accompaniment to get the standard products (D2).	Technology needs to be used in production.
	Owners shall be agile to find opportunity (D1, D2)	Most personnel have high motivation to complete their work (D1).	

Culture

According to the interview, all creative industries are owned and managed by personal or family. The main objective is to produce income for the family. However, there are some additional aims when they establish the business, such as helping other people by recruiting them as their workers, expressing hobby and promoting Indonesia's culture or product globally. To achieve its objectives, the creative industry always maintains the product to be consistent in quality.

People

Recruiting the right personnel as its workers is a challenge. Workers' turnover was quite high at the beginning as they have to adapt to new business and skill. By natural selection, suitable workers stay for quite a long time.

Workers are motivated as they have to get income for their families. In addition, bonus sometimes is given if they can produce the product in good quality. Some industries involve their workers in innovation by sharing ideas on market trends. However, most of the workers tend to follow instruction and do not involve in sharing ideas for innovation.

Technology

Modern technology has been applied in creative industries in different ways. Some creative industries try to optimize technology utilization, such as using a computer to keep the knowledge digitally while others still prefer to keep in hardcopy. However, all of them use social media as advertising, promoting and marketing tools. There are some obstacles in using this technology, such as limited knowledge to use computers and low network performance for internet use. Academicians found that older owners tend not to shift to use more technology.

Company A2 is producing kago bags that have the workers spread in five different provinces finds difficulty to use email or social media to send a file to share the knowledge.

We still have to keep our knowledge in hardcopy because digital copy sometimes gives a different message, especially for the color. Our customers are very detailed with the color. If we give the information using a digital picture, the color may shift so I have to send the picture or sample material by mail (Company A2).

Most of the processes, such as standard operating procedures and integration are kept by the owner. Therefore, owners manage most of the workflow in creative industries.

How are KM processes applied in creative industries?

Lee C.S. (2014) elaborates the KM process into different types of activities: knowledge acquisition, knowledge creation and generation. knowledge application and utilization, knowledge codification and storing and knowledge transferring and sharing. O'Connor, E (2016) explains about KM process which includes knowledge transfer, storage and creation. This research studies KM strategies in process: the following knowledge identification, knowledge storage, knowledge sharing and knowledge application.

Table 4.2 shows several points during interview regarding KM Processes. Creative industries discuss about Knowledge Identification, Knowledge Storage, Knowledge Sharing and Knowledge Application. Academicians stress more about Knowledge Storage using information technology; and Knowledge Sharing during the accompaniment from its research and community institution.

Governments give information about Knowledge Identification, Knowledge Storage and Knowledge Sharing.

Organization	KM Processes			
	Knowledge Identification	Knowledge Storage	Knowledge Sharing	Knowledge Application
Creative Industries	We find new batik design from local content, for example our city is well known as a rain city, so we make rain design for our batik (A1)	Non digital storage is still needed to keep original colour of the product (A2)	Socialization (tacit to tacit) is applied for sharing knowledge.	Workers will apply the knowledge given by owners (A4, A5, A6, A7).
	We search model or design from internet, especially from pinterest (A3)	My parents mostly keep the data in hardcopy form. I slowly move them to digital database (A1)	Owner teaches workers directly (A4, A5, A7).	
	I took a training in kiln process in making pottery (A8)	We store the picture/design of the products digitally in the computer (A1, A3, A6, A9).	We also join the training from local government designed for SMEs (A2, A3, A4, A5, A6, A9, A10).	
	I have experience in my previous job as the basis for my business (A1, A4, A5, A6, A10).	Because we post the product in social media and marketplace, I have the knowledge digitally.	Some organizations conduct training for us, like photography to make the product more valuable (A1, A2, A3, A8).	
Academician		Academicians train creative industries in computer usage, including to keep their knowledge digitally (B1, B2, B3).	We do accompaniment to creative industries (B1, B2, B3, B4).	
Government	Creative industries can obtain knowledge identification from sharing with other SMEs (C2).	We introduce SMEs on computer technology to store their knowledge. Younger people can understand easily compare with older owners.	We conduct several trainings for SMEs and creative industries, such as e- commerce, entrepreneurship, marketing. (C2, C3)	
	We give them ideas for creative industries to get new knowledge on		Not only Department of SMEs in city and regency level, but also the Department	

	their product (C2, C3).		in province provide the training regularly. We open 'clinic room' every Friday for SMEs to consult their business (C2).	
			Our office collaborates with other organization, such as university and bank for giving the training (C2).	
Others		Educate SMEs or creative industries to store their data digitally is quite challenging. Some of them do not understand to use computer but we work with Google to give them training (D1).	Several training programs is given,	

Knowledge Identification

Knowledge is identified first by the owner. Then they get several inputs from market trends, community and customers. These inputs are used to develop the knowledge, both in the product and work process. Some creative industries conduct a regular discussion with employees or workers on a strategic plan, such as digital knowledge, new products and collaboration with other organizations.

Knowledge Storage

Some creative industries keep most of the knowledge in hardcopy or display the product in the showroom. Only several pieces of knowledge are stored digitally. The reason not to have digital stored knowledge because it is easier to have the hardcopy or displayed product, so they can see the material and color in more accurately. In addition, they are not familiar to use computer.

Several Creative Industries with younger owners try to keep the knowledge in computer database. However, some crafts or apparels need to be displayed in the store or workshop to keep the real products.

Knowledge Sharing

Knowledge sharing refers to the process by which team members share ideas that are taskrelated, information, improvements as well as suggestions with one another (Wee, 2013). Knowledge sharing is another regular activity in creative industries. New workers learn from more experienced workers on how to do the job. Local government, Small and Medium Enterprise Agency, schedule several classes of training for SME regularly that creative industries can join the classes. However, suitable topics may not be applicable to them. Another challenge is the workers have the different capability in absorbing the knowledge, some of them may not be able to apply the knowledge from the training straight away. Academicians and other organization

supporting creative industries conduct accompaniment to creative industries during the startup process as well as to assist in the different types of production process and marketing process. For example,

Knowledge Application

When creative industries need to implement the knowledge, they will follow the procedure which has been created previously. Workers have been trained to create the products and follow the procedure. Challenges are found in this process. The experience will help to produce better and more consistent products. It takes time for new workers to produce more qualified products. As a result, some products may be rejected or sold at a low price. To survive in the market and compete with competitor, knowledge needs to be developed. Development can be in the form of new products or new process which increase the value of a product.

How KM help to improve quality and innovation?

Creative industries maintain their product quality to be able to compete in the market. They have to be consistent in quality. Raw material and work processes determine the quality of a product. They search for good suppliers to send the raw material consistently. Different suppliers may give different raw materials which may affect the quality of the products. Most of the creative industries perform quality control in several steps, especially for exported products. Customers' complaints were received if the quality does not meet their requirements.

Organization	Learning and Growth		
	Quality	Innovation	
Creative Industries	Raw material selection affects the product quality.	We do innovation in the process, for example how to make batik with environmentally friendly material (A1)	
Government	Quality of a product can be seen from the story behind the process	Young people are actively doing innovation for several products.	
		Government encourages creative industries to do research on new innovated products.	
		When a demand on certain products has been decreased, creative industries need to find new innovated products	
Academicians	One of our objectives in accompaniment to creative industries is to improve their product quality	We help creative industries to have innovation. Innovation can be technology or market driven.	
		We provide some equipment, such as ceramic making machine, to drive creative industries to make innovation.	
		We need to engage in their activities to help them for innovation.	
		Creative industries need to have business orientation which motivate them to do innovation activities.	
Others	We train them to prioritize the quality over the innovation first. Because with good quality, innovation will grow afterward.	Some industries do their innovation in the design by copy and modify from other product	
		The owners of most of creative industries are responsible for innovation.	
		Innovation can be from the process to make the product, such as dying process in batik making.	

Table 6. Learning and Growth in Creative Industries.

Innovation is always carried out to have various products as well as to give more value for a product. For example, Company A2 learned on bamboo drying process to have a better raw material. Company A1 uses water base paint for batik finishing process to make it more environmental-friendly. Market trends should always be learned to understand customer needs. They have to compete with other creative industries that produce similar products. Collaboration with other companies is another alternative to innovate their products. KM implementation helps creative industries to maintain or improve quality and to perform innovation.

4. CONCLUSIONS

Creative industries have implemented various KM practices in their business. However, they still find several challenges to fully applied it. KM enablers, which include organizational culture, people, technology and process, help creative industries to implement KM. KM strategies are the process of how KM is implemented. Creative industries have applied the KM process from identify the knowledge and store it. Then knowledge sharing can be held both formal and informal. The knowledge implementation process needs to be strictly supervised. Lastly, knowledge development is also performed by creative industries. Limited resources and funds in creative industries may inhibit to apply KM properly. These become a challenge for creative industries to implement KM.

The potential areas of further research can be as follow. First, the qualitative research study will be broadly conducted to the organization which supports creative industries, such as local government, bank, academic and private organization. Next, a quantitative study on KM implementation in creative industries could help to examine how KM implementation can help to improve the quality and innovation process.

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