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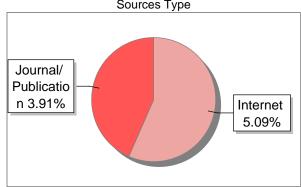
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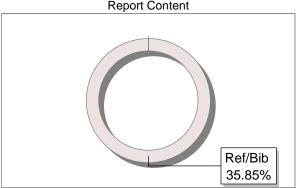
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he Role of Competitive Advantage in Implementing Supply Chain Management to Support Employee Performance in Batik SMEs in Pekalongan, Indonesia

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ABSTRACT

Purpose This study uses Resource Based Theory to Explore how competitive advantage mediates the effect of supply chain management implementation on employee performance in small and medium-sized Batik enterprises in Pekalongan, Indonesia.

Design/methodology/approach: Using quantitative descriptive research design and sampling technique using questionnaires for sample collection of 150 batik small and medium enterprises actors. This study evaluates the proposed hypothesis by analyzing the primary data with SmartPLS 4.

Findings: The research results found that the implementation of supply chain management has the effect of increasing competitive advantage, and competitive advantage has an impact on employee performance. Another finding is that competitive advantage plays a mediating role in the influence of supply chain management on employee performance. This paper shows how the application of supply chain management and competitive advantage can improve employee performance. There is a pseudo-mediated relationship between the implementation of supply chain management, competitive advantage and employee performance.

Research limitations/implications: This finding implies that batik small and medium entrepreneurs must implement supply chain management to improve competitive advantage. To enhance employee performance, small and medium-sized Batik entrepreneurs need to strengthen the connection between supply chain management and competitive advantage.

Originality/value: The value of this research lies in expanding the scientific discussion on the relationship between supply chain management, competitive advantage and employee performance by placing competitive advantage as a mediator. This study emphasizes the interplay between supply chain management, competitive advantage, and employee performance, with Resource Based Theory serving as the theoretical framework. This research is the first the first examine the relationship between supply chain management, competitive advantage, and employee performance within the Batik sector for small and medium-sized enterprises.

Keywords: Batik, Quantitative Descriptive, Competitive advantage, Employee Performance, Mediating role, Supply chain management

I. Introduction

Pekalongan is a city whose territory is on the coast of the island of Java, Indonesia. The city of Pekalongan is well known as an icon of the batik industry in Indonesia. The batik industry predominantly consists Micro, Small, and Medium Enterprises, commonly known as Batik SMEs. In the course of their business, these SMEs experienced many obstacles. The main obstacles faced by Pekalongan Batik SMEs are the supply of raw materials is not smooth, distribution to consumers is slow, reduced consumer demand for batik, lack of professional assistance, and obstacles to motivation to always be consistent in entrepreneurship (Rachmawati et al., 2022). Other obstacles from a financial perspective relate funding (internal and external) entrepreneurial dimension constraints (Beckert & Wehinger, 2013; Trinh et al., 2021; Winton & Yerramilli, 2015). Other obstacles, both internal and external, that are commonly encountered by SME business actors are that the majority of SME business actors do not have access to capital from banks, limited resources and lack of knowledge about the latest technology and how to implement it. Quality control for products, limited business facilities and infrastructure, especially regarding tools and access to good, cheap and easy to obtain raw materials, as well as tight business competition both in Pekalongan and outside the region. These many obstacles have caused a slowdown in the growth of the Batik SME

business. This is an encouragement and challenge for researchers to conduct more in-depth studies.

Adopting supply chain management (SCM) has emerged as a highly valuable and effective strategy for enhancing organizational performance, as competition has shifted from being between individual organizations to being between entire supply chains. Therefore, only companies that have implemented effectively can win their business (Costa et al., 2023). Likewise, if applied to Batik SMEs, then only SMEs that have implemented SCM will be able to improve their performance (Almanei et al., 2017; Costa et al., 2023; Sarkar et al., 2021). To ensure smooth business operations and effective distribution of products to consumers, sufficient equipment is necessary to support the production process. Supply chain management software (SCM) is software used to manage all processes related to purchasing raw materials, production, delivery and sales of products or services (Buxmann et al., 2004; Haulder et al., 2019; Hsu, 2016).

A key weakness of SMEs is their lack of competitive advantage in the products they offer. This condition causes difficulties in overcoming competitors, increasing efficiency organizational performance (Al Badi, 2018; Anwar, 2018; Razali al., 2018; Wongsansukcharoen & Thaweepaiboonwong, 2023). SMEs that have a competitive advantage enable cost efficiency, seize market opportunities, and avoid competitors' threats (Hanifa et al., 2023; Kalaitzi et al., 2019). In addition, companies with competitive advantages can perform better than

competitors, innovate, have products that are better value, and more useful than competitors, customers feel that their products have higher value and benefits (Ali et al., 2022; Kovalenko et al., 2021).

Research on Pekalongan Batik is still rarely done. Especially if it is related to implementation of supply chain management and competitive advantage in the performance of Pekalongan Batik SMEs (Kasmari et al., 2020). In general, researchers are more interested in applying SCM and competitive advantage to manufacturing industrial businesses. Literature and research objects related to SCM have been carried out in developed countries and large-scale manufacturing companies (Doan, 2020). In contrast, the fact is that developing countries and small and medium industries face more real challenges related to the complexity of implementing SCM (Anwar, 2018).

This study seeks to empirically evaluate how the application of supply chain management and competitive advantage impacts employee performance in batik SMEs in Pekalongan during the Industry 4.0 era. By understanding the challenges and opportunities faced by batik SMEs, it is hoped that this research can provide appropriate recommendations and solutions to improve employee performance in batik micro, small and medium enterprises (SMEs) in a society that continues to develop (Muñoz-Pascual et al., 2021).

The novelty of this research is the effort to combine two main concepts, namely application of supply chain management and competitive advantage, which is an innovative step. Supply chain management is a major trend in today's business world, while competitive advantage is an important factor in improving the performance of small and medium businesses (Aloqool et al., 2022; Ploenhad et al., 2019). Examining how the application of SCM and

competitive advantage are interrelated and influence each other through competitive advantage itself is a step forward that can provide new insights.

II. Literature Review

The growth in company performance, particularly for SMEs, can be understood through Resource Based Theory. This theory offers framework for emphasizing and forecasting impact of Supply Chain Management and competitive advantage. This aims to outline imperfect company resources that have the potential to become the main source for improving employee performance by implementing supply chain management and sustainable competitive advantage (Barney, 1991).

A. Implementation of Supply Chain Management in SMEs

Batik SMEs face intense competition in the era of globalization as they strive survive and thrive in the market. Therefore, a strategy is needed to survive and develop. One strategy that can be applied in developing Batik SMEs is supply chain management (Kumaran & Jeyachandran, 2022; Paliwal et al., 2020). Supply chain management encompasses the entire process, beginning with the procurement of raw materials from suppliers, through company operations, and extending to the distribution of products to consumers. This concept is the key to the process of implementing supply chain management in business to carry out integration from suppliers to end users (Muysinaliyev & Aktamov, 2014; Treiblmaier et al., 2020). Meanwhile, Gonzalez-Loureiro et al. (2015) illustrate SCM as the systemic and strategic coordination of traditional business functions and tactics across these business functions within a particular company and across businesses in the supply chain. Another definition of SCM is the coordination of production, inventory, location,

and transportation among participants in a supply chain to achieve the best mix of responsiveness and efficiency for the markets served to maximize customer satisfaction and to increase competitive advantage (Chileshe & Phiri, 2022; Kot et al., 2018; Naslund & Williamson, 2010; Zhang et al., 2016).

Successful implementation of SCM enables the delivery of prompt service with distinctive and high-quality products. This enhances customer retention and ultimately boosts profitability. Overall, applying supply chain management in Batik SMEs is anticipated to enhance their performance and competitiveness.

B. Competitive Advantage in SMEs

There are numerous differing views on the concept of competitive advantage. When a company can produce something that competitors do not, it can be called a competitive advantage (Rahyuda et al., 2018). While explaining that competitive advantage is a company's ability to create value that cannot be imitated by existing competitors. In his research, competitive advantage is a company's ability to create a position that can be defended against competitors (Basar, 2015; Horng et al., 2023). Competitive advantage is an organization's ability to create a defensive position against its competitors. Companies that have implemented competitive advantages will imply the creation of systems that have unique advantages over competitors (Li et al., 2006).

Competitive advantage is the extent to which an organization is able create a defensible position above its competitors. Based on previous literature, Azeem et al. (2021) explain a research framework for competitive capabilities and define the following five dimensions: competitive price, premium price, customer value quality, reliable delivery, and product innovation.

Competitive Advantage can be achieved through quality control. Strict control, starting from product planning, the production process, until the product reaches the customer's hands. This is done to achieve the quality expected by customers and increased quality will reduce damaged products even at the zero percent level, thereby not only increasing customer satisfaction, but also increasing sales, as well as the competitive ability of small and medium businesses (Wahyudin et al., 2022; Yaskun et al., 2023).

Two conceptual models of competitive advantage for small, and medium enterprises (SMEs). The first model focuses on external factors, which include market diversity, technological advancement, market appeal, product or industry life cycle, demand, and competitive intensity. 2). Internal factors include; innovation, quality, cost and structure creation, and flexible organizational systems (Putri & Yuniawan, 2016; Treiblmaier et al., 2020). Competitive advantage one of the drivers for increasing company performance and can be measured based on a number of dimensions, such as market share, sales, growth and costs (Narwane et al., 2022; Pahlevi & Rahab, 2022). Network interactions provide opportunities for learning, because SME actors in their operational activities create responses to changes in their environment. The advantage of SMEs is that they have fewer communication barriers compared to the function of sharing knowledge about these activities to help operational change in a strategic direction for the development of a larger organization (Wahyudin et al., 2022; Yaskun et al., 2023). Small medium enterprises will focus on a series of innovations based on ideas from customers, competitors and suppliers of products or raw materials, as well as processes to increase their advantages. These efforts are a more effective way to compete overall (Tilley et al., 2003). SME innovation will become a competitive advantage because SMEs always

innovate, in the form of product, process and market innovation. The results of this innovation can increase or improve the competitive advantage of SMEs (Ratnawati, 2019).

In principle, the application of competitive advantage strategies in Batik SMEs is grouped into four categories. First, an integration strategy is a strategy that requires the company to carry out tighter supervision of its distributors, suppliers and competitors. Second, intensive strategy, namely a strategy that requires intensive efforts to improve the company's competitive position through existing products. Third, diversification strategy, namely a strategy intended to add new products. Fourth, survival strategy, namely a strategy carried out to save the life of the company so that it avoids greater losses, or in other words as an effort to avoid bankruptcy (Hastutik company Novitaningtyas, 2021; Hatta et al., 2019; Mustaniroh et al., 2020).

C. Growth in SMEs performance

In general, business growth is measured by sales growth, employment growth, and financial indicators such as increase in profits, increase in asset value, return on assets, return on investment, and so on (Mwenda et al., 2023; Yawar & Seuring, 2017). Growth puts pressure on the entrepreneur's financial resources, human resources, labor management, and time. The final measurement of company growth is by measuring the growth of its own capital. The sustainability of SME businesses can be measured by the level of success of SMEs in innovating and success in managing employees. Another indicator is the ability of SMEs to generate business profits and return on initial capital (Engwa et al., 2021). In other words, SMEs have an orientation to develop, seize opportunities, and are able to innovate sustainably (Al Koliby et al., 2022; Nor-Aishah et al., 2020; Ok & Ahn, 2019).

I. The relationship between supply chain management and employee performance

It was explained that there is a significant and between Supply Chain positive influence Management and employee performance. Related to this, it was also explained that implementing SMEs can improve employee SCM performance. This is in line with Wolf's (2014) opinion which states that by implementing good SCM practices, companies can provide opportunities to improve their performance, both financial and operational performance. Therefore, we suggest the following first hypothesis:

H₁: Supply chain management positively impacts employee performance.

2. The relationship between SCM and competitive advantage

According to Cahyono et al. (2023) in their research concluded that effective supply chain management has a positive and significant effect on competitive advantage. Effective supply chain management influenced by product development, supplier relationship strategy, planning and control, production and distribution, information quality, and purchasing (Cahyono et al., 2023). Likewise, research conducted by Amizuar et al. (2017); Giudice, (2021); Mukhyi et al. (2021); Ratnawati, (2019); Tilley et al., (2003); Tukamuhabwa et al., (2023) stated that effective supply chain management has the potential to increase competitive advantage. This is proven by integrated supply chain management starting from relationships with suppliers and customers, delays and quality which can maintain and strengthen its competitiveness in winning competition in the market. Ausat and Peirisal (2021); Setyawati et al. (2014) stated that implementing good supply chain management in SMEs will be able to increase competitive advantage. According to Barata, (2022);Halassa and Αl Saed, (2023);Tukamuhabwa et al. (2023), supply chain

management by establishing relationships with suppliers and consumers will increase competitive advantage. From the explanation above, we propose the second hypothesis as follows:

H₂: Supply chain management has the impact of increasing competitive advantage

3. The relationship between competitive advantage and employee performance

Competitive advantage is a crucial element for a company, as it can significantly impact the enhancement of employee performance. Competitive advantage can be found from management's ability to explore competencies of the company's functional areas, namely competencies in marketing, product development and design and production (Bari & Park-Poaps, 2020; Ikhwana & Dianti, 2022; Jamaludin, 2021). A company with competitive advantages can create higher economic value for stakeholders, customers and suppliers compared to competitors. Companies strive to maintain their competitive advantage by innovating in processes, product characteristics, and transaction methods. In essence, competitive advantage can improve employee performance (Bari & Park-Poaps, 2020). Thus, we propose the following hypothesis:

H₃: The higher the competitive advantage, the higher the employee performance.

4. The relationship between supply 3 chain management and employee performance inrough competitive advantage

Small and medium enterprises (SMEs) that possess a competitive edge often exhibit one or more of these advantages over their rivals: reduced prices, superior quality, greater value propositions, and faster delivery times. These capabilities have in the past improved overall organizational performance (Ausat & Peirisal, 2021; Setyawati et al., 2014). Competitive advantage can leadto high economic performance, customer satisfaction and

loyalty, and relationship effectiveness (Baah & Jin, 2019). Brands with higher consumerloyalty face less competitive competition in their target segments thereby increasing sales and profitability (Kerdpitak et al., 2022; Yuliantari & Pramuki, 2022). Thus, we suggested the following hypothesis:

H₄: Supply chain management has the effect of improving employee performance through competitive advantage.

Based on the literature review outlined above, a research framework can be developed as illustrated in Figure 1.

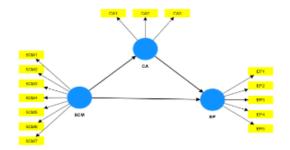


Figure 1. Empirical Research Model

III. Methods

This research uses a quantitative approach using a questionnaire as a data collection tool. **Quantitative research** is the process of collecting and analyzing numerical data. It is useful for determining trends and averages, formulating hypotheses, examining causality, and extrapolating findings to larger groups. The research population was 2,191 Pekalongan batik SMEs assisted by the Pekalongan City Department of Trade, Cooperatives and SMEs.

A. Participants and sampling method

Sampling was carried out by multiplying the number of research indicators by 10. This method is a good sample size for the analysis technique used in the research (Hair et al., 2019). The number of research indicators was 15 so the number of respondents was $10 \times 15 = 150$ Batik SMEs. All respondents are employees consisting of 10 (ten) areas of expertise in making Batik cloth. Of the 150 questionnaires distributed, only 136 were returned, so the research response rate was 90.67%. A total of 130 questionnaires are available for use in the analysis. or 86.67% questionnaires returned. The sampling technique used was purposive sampling (Isaac, 2023; Thomas, 2022), with the criteria include SMEs that have been in operation for over 2 years and employ more than 5 people. In data processing, partial least squares structural equation modeling (PLS-SEM) was used due to its predictive

explanatory nature (Henseler, 2018) and the need for latent variable scores to run additional analyzes (Cepeda-Carrion et al., 2019; Ghasemy et al., 2020).

B. Measures and covariates

To measure supply chain management, we use a scale developed by Morgan & Nasir (2020).. Operationalizing competitive advantage using the three-item Competitive Advantage (CA) scale by (Kamukama, 2013), and provided respondents with a 5-point Likert-type scale to rate items from both constructs. Measuring employee performance, using the theory put forward by Maltz et al. (2003). This scale consists of five items used to describe employee performance. Finally, filtering the data using IBM SPSS Statistics 24, and analyzing the main data using Smart PLS 4 (Ringle et al., 2022b).

Table 1. Operational variables.

 No.	Variable		Operation definition
1. Supply Chain	Integrated activities along the supply chain are	1.	Strategic Supplier Partnership
Management	carried out by companies to promote effective	2.	Level of Information Sharing
	supply chain management	3.	Quality of Information Sharing
		4.	Customer Relationship Management
		5.	Internal Lean Practices
		6.	Suspension
		7.	Total Quality Management
2. Competitive	The ability of an organization to produce	1.	Differentiation
advantage	superior performance and be able to survive in	2.	Cost Leadership
	the long term	3.	Outreach Level
3. Employee	How to optimize business to achieve profits	1.	Finance
performance	•	2.	Market/Customer
		3.	Process
		4.	Human Resources Development
		5.	FuturePasar/Pelanggan

Source: Taken from an article written by Morgan and Nasir (2020); Kamukama (2013); (Maltz et al. (2003).

IV. Results and Discussions

The results of the research were carried out using a two-way approach including measurement modelling of Consistency Reliability (CR),

Convergent Validity (CV), as well as structural models (i.e., path coefficients, coefficients of determination and effect sizes) used (Hair et al., 2021; Ringle et al., 2022a; Ringle et al., 2022b).

Evaluation of the measurement model is carried out using reflective indicators evaluated through convergent and discriminant validity of the indicators forming the latent construct and composite reliability as well as Cronbach alpha for the indicator block (Hair et al., 2021; Ringle et al., 2022a).

A. Test for validity and reliability

Table 2. Result of model constructs.

X7	Measurement		Item reliability	Cor	nvergent reliabilit	У
Variable	Items	Indicator	Outer Loading	Cronbach Alpha	Composite Reliability	AVE
SCM	SCM1	Strategic Supplier Partnerships	0.811			
	SCM3	Quality of Information Sharing	0.772	0.815	0.817	0.642
	SCM4	Customer Relationship Management	0.823			
	SCM7	Total Quality Management	0.797			
CA	CA1	Differentiation	0.803			
	CA2	Cost Leadership	0.842	0.716	0.720	0.638
	CA3	Outreach Level	0.749			
EP	EP1	Finance	0.859			
	EP2	Market/Customer	0.789	0.756	0.762	0.672
	EP5	Future	0.810			

Notes: All outer loading, cronbach alpha, composite reliability more than 0.70 and AVE more than 0.60; SCM, supply chain management; CA, competitive advances; EP, employee performance.

The SCM variable is measured by seven indicators, but because the outer loading value is below 0.70, it is deleted so that there are only four valid indicators with an outer loading value of 0.772 - 0.823, which means that the four measurements reflect the SCM measurement. Meanwhile, the CA variable is measured by three valid indicators with an outer loading value of 0.749 - 0.842, which means that the three measurements reflect the CA measurement. Next, the EP variable was measured with 5 indicators, but because the outer loading value was below 0.70, it was removed so that only 3 valid indicators remained with an outer loading value of 0.789 - 0.859, which means the three measurements were capable. reflects EΡ measurements.

The evaluation results are presented in Table 2, the three variables prove that the construct measurement model produces acceptable internal consistency reliability and convergent validity also

correlates positively with alternative measures of the same construct (Hair et al., 2021; Ringle et al., 2022a).

B. Results of the evaluation of the measurement model

The results of the discriminant validity test are reflected in the diagonal values and correlations between constructs at positions outside the diagonal (0.799, 0.820, and 0.801). Meanwhile, Heterotrait-Monotrait (HTMT) is a method of testing convergent and discriminant consistency in Partial Least Square (PLS) based path analysis to test the extent to which a construct is different from other constructs. HTMT testing is carried out by calculating the ratio between correlation between constructs (heterotrait) and correlation within the same construct (monotrait) estimated from the SmatPLS 4 model. If the HTMT value between two constructs is less than 0.9, then the

construct is considered to have good convergent consistency and can be differentiated from other constructs (Hair et al., 2019; Henseler, 2018).

Table 3. Discriminant validity of constructs

Variable	CA	EP	SCM	
Discriminant Validity: Fornn	el-Larcker Criterion			
CA	0.799			
EP	0.571	0.820		
SCM	0.665	0.624	0.801	
Hererotrait-Monotrait Criterio	on			
CA				
EP	0.771			
SCM	0.856	0.779		

Source: Processed data, 2024

Discriminant Validity (DV) is better assessed using HTMT. DV is used to measure how different other constructs are using empirical standards (Hair et al., 2021). To achieve a satisfactory DV level, Henseler, (2018) recommends an HTMT value above 0.90. This means that an HTMT value above 0.90 does not depict Discriminant Validity (DV), which indicates that the constructs are conceptually similar. The results show that all constructs have HTMT scores < 0.90 and the 97.5% bootstrap confidence interval shows all corresponding values are below 1, thus indicating that all research constructs (CA, EP and SCM) are conceptually and empirically different. different each other.

C. Structural coefficient modeling path assessment

The research results show that R2 for the

endogenous latent variable CA is 0.752. These findings show that SCM accounts for 75.20% of the variance in CA, while the remaining 24.80% is attributed to factors not explored in this study. Selain itu, EP menjelaskan 0.654 atau 65.40%. This means that CA and SCM strongly explain 65.40% of the EP variance. The remaining 0.346 or 34.60% is influenced by other factors not examined in this research.

Table 4. R-square – overview

Variable	R-square	R-square adjusted
CA	0.752	0.749
EP	0.654	0.646

Source: Processed data, 2024

The structural model reveals that SCM has the strongest influence on EP of 0.665 (p value = 0.000) followed by the SCM variable on EP with an influence of 0.438 (0.007) and finally CA has an influence on EP of 0.280 (0.041).

Table 5. Path coefficients -mean, STDEV, tvalue, p-value

Variable	Original Sample(0)	Sample (M)	Mean	Standard Deviation (STDEV)	Tstatistic (IO/STDEV)	P value
CA->EP	0.280	0.290		0.137	2.046	0.041
SCM -> CA	0.665	0.675		0.059	11.227	0.000
SCM -> EP	0.438	0.410		0.162	2.705	0.007

Source: Processed data, 2024

This means that the hypothesized path relationship between SCM and CA shows that it is statistically significant with a p-value (0.000) < 0.05 as well as the hypothesized path relationship between SCM and EP with a p-value (0.007), as well as the relationship between CA and EP also has a significant p-value (0.041).

findings compared to research in developed countries. Overall, this research is consistent with

Table 6. Spesific indirect effect -mean, STDEV, tvalue, p-value

Variable	Original	SampleMean (M)	Standard Deviation	Tstatistic	P value
	Sample(0)		(STDEV)	(IO/STDEV)	
SCM->CA->EP	0.186	0.201	0.098	1.905	0.057

Source: Processed data, 2024

Hypothesis 1 which states that Competitive advantage has a significant and influential effect on employee performance is accepted at $\ddot{y} = 0.280$, t = 2.046 p=0.041. This shows that competitive advantage has a big role in improving employee performance.

Hypothesis 2 states that SCM has an influence in increasing competitive advantage and is accepted at y = 0.438, t = 2.705 and p = 0.007. This means that the role of SCM is very important in increasing companies.

Hypothesis 3: SCM significantly improves employee performance and is accepted with y = 0.665, t = 11.227 and p = 0.000. This hypothesis has the greatest influence compared to the others. This means that the role of SCM is very large in improving employee performance.

Hypothesis 4: Supply chain management can significantly improve SME's performance through competitive advantage is not accepted at y = 0.186 t = 1.905 and p = 0.057. This indicates that the role of SCM in improving the performance of MSME employees ignores the role of competitive advantage. This relates to hypothesis three where the role of SCM is so large in improving employee performance that the interference of competitive advantage can be ignored.

The primary goal of his study is to investigate how apply chain management and competitive advantage affect employee performance. The research was carried out at Pekalongan Batik SMEs in Central Java, Indonesia. The researchers chose this location based on their observation that it exhibits distinct characteristics compared to previous studies, which suggest that SMEs generally show similar practices in supply chain

management and competitive advantage regardless of their location. Existing literature supply chain management and employee performance shows that there is a positive relationship between supply chain management and employee performance (Al Badi, 2018; Halassa & Al Saed, 2023; Li et al., 2006; Silitonga et al., 2023). The research findings regarding the implementation of SCM are consistent with all of these research findings (Chileshe & Phiri, 2022; Gamini & Rajapaksa, 2020). The results further reveal that the implementation of SCM is very important and is the center of attention in developing employee performance so that management is able to encourage the growth of Batik MSMEs. This is once again supported by existing literature which finds that the application of SCM can encourage employee performance opportunities to be creative (Alomari et al., 2020; Baah & Jin, 2019; Singh et al., 2010; Singh et al., 2014). Besides that, the application of SCM can also increase the competitive advantage of Batik MSMEs. In fact, research findings show that the application of SCM to competitive advantage provides the most dominant contribution. This is in line with previous research conducted by Bari & Park-Poaps, (2020); Khaddam et al. (2020); Kunides & Charoen-Rajapark, (2019); Singh et al. (2014); Vencataya et al. (2016).

By using SmartPLS 4 software, a picture of this research model can be created. The outcomes of the model measurement evaluation are illustrated in Figure 2 below.

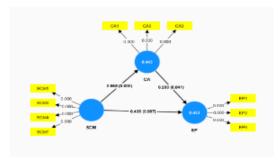


Figure 2. Measurement model evaluation results

Competitive advantage has an increasing influence on employee performance. Factors that encourage an increase in employee performance differentiation, are cost leadership, affordability. Batik businesses require continuous design so that the motifs produced follow current fashion and are different from other regional batik businesses which have distinctive characteristics. Likewise, in terms of cost leadership, consumers will like cheap batik prices but contemporary quality and designs. In terms of affordability, consumers want prices that are in line with their purchasing power.

The application of SCM to employee performance through competitive advantage apparently does not improve employee performance, this finding is in accordance with (Alomari et al., 2020; Khaddam et al., 2020; Kunides & Charoen-Rajapark, 2019).

V. Conclusion

Supply chain management (SCM) has the effect of increasing competitive advantage and employee performance. Likewise, competitive advantage has an impact on improving employee performance. Therefore, supply chain management and competitive advantage are crucial for enhancing the performance of Batik SME employees in Pekalongan, Indonesia.

The influence of supply chain management on employee performance can be direct or indirect. This influence can be through or mediated by competitive advantage, so that competitive advantage also acts as a mediator variable. This influence is relatively high, namely contributing 74.9% and 64.6%. However, seeing the development of technological digitalization, business competition is increasingly tight and complex in the batik SMEs industry group, further research is needed using stricter measurements and research methodologies.

Limitations and future research

Theoretically, it is hoped that the research findings can help to understand the main drivers of employee performance through implementation of appropriate supply chain management (SCM) and competitive advantages so as to improve the performance of SME Batik employees. This research contributes to our understanding and psychology regarding the application of SCM and competitive advantage to employee performance. Appropriate and targeted implementation of SCM and competitive advantages allows employees to do their work easily and be able to develop themselves. This condition triggers employees to innovate and work diligently, which in itself will improve their performance.

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