

## 14<sup>th</sup> ISCA 2024

# Implementing Kaizen and 5S in Retail XYZ: An Analysis of Operational Efficiency and Workforce Engagement

Bagas Gumintang<sup>1\*</sup>, Filda Khoirun Nikmah<sup>2</sup>, Kengo Ohno<sup>3</sup>

Universitas Jenderal Soedirman<sup>1,2</sup>  
Teikyo University<sup>3</sup>

\*corresponding Author: [bagas.gumintang@unsoed.ac.id](mailto:bagas.gumintang@unsoed.ac.id)

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### ABSTRACT

This study explores the implementation of Kaizen and 5S methods at Retail XYZ, aiming to analyze their impact on operational efficiency and employee satisfaction. Utilizing a qualitative approach through indepth interviews with 10-15 respondents, the research identifies significant operational issues, such as waste in inventory management and slow check-out processes. The findings indicate that the application of Kaizen effectively reduces waste and improves inter-departmental coordination, while the implementation of 5S creates a more organized work environment that supports productivity. This study provides recommendations for ongoing training and regular evaluations to enhance the effectiveness of Kaizen and 5S implementation, which are expected to serve as a guide for other retail companies.

**Keywords:** Kaizen; 5S; operational efficiency; employee satisfaction; retail.

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### 1. Introduction

The modern retail industry is at a critical juncture where rapidly changing market dynamics, increasing competition, and changing consumer behavior require companies to continue to adapt. Fierce competition between retail businesses, both physical and digital, encourages companies to find new ways to improve operational efficiency and provide better services to consumers. One of the strategies widely adopted by companies is the application of continuous improvement-based management methods, such as Kaizen.

Kaizen, which originated from Japanese philosophy, focuses on small but continuous improvements in work processes that involve all levels in the organization (Imai, 1986). By prioritizing collaboration and participation from all employees, Kaizen creates an environment where all individuals have the opportunity to provide input in the improvement of the company's operations. The application of this method has proven effective in various sectors, including manufacturing, and is now being applied in the service and retail industries to improve efficiency and productivity (Manos, 2007).

Retail XYZ, as one of the leading players in the Indonesian retail industry, is inseparable from these challenges. Over the past few years, Retail XYZ has faced a series of operational issues that threaten internal efficiency and customer satisfaction. One of the main issues faced by this company is the high level of waste of time and resources in stock management. Errors in stock

arrangement and delays in replenishing goods on the shelves often cause customers to have difficulty finding the products they need. In a study conducted by Silalahi et al., (2017), it was stated that one of the factors that affect the customer experience in the retail sector is the availability of products on the shelves. The inability to efficiently manage stock not only reduces customer loyalty but also lowers sales potential.

In addition, the time-consuming check-out process, especially during busy times, is one of the main sources of customer dissatisfaction. A study by (Susanto et al., 2023) showed that the slow process in customer transactions negatively impacts consumer satisfaction levels, ultimately affecting the overall brand image. At Retail XYZ, long queues at the checkout increased the pressure on frontline employees who were often overwhelmed to handle high customer numbers. This pressure is exacerbated by a lack of communication between departments, which leads to coordination issues between sales, warehouse, and stock management. Poor communication between departments is one of the main barriers to operational efficiency, as stated by Ariely (2010), where limited information flow can slow down the decision-making process.

On the internal side, the level of employee satisfaction at Retail XYZ also shows a downward trend. Uneven workloads, high target demands, and lack of room to innovate make employees feel limited in their contribution to the company. According to research conducted by (Knight et al., 2017), employees who do not feel supported by management in improving competence and are not involved in the decision-making process, tend to have low levels of work engagement, which ultimately affects overall productivity.

To address these issues, Retail XYZ began exploring the application of Kaizen, a Japanese management approach that focuses on continuous improvement in every aspect of operations. Kaizen has been proven to be effective in reducing waste, improving process efficiency, and encouraging employee involvement in continuous improvement (K. Liker, 2021). As part of Kaizen's approach, the 5S method was adopted to help create a more organized and efficient work environment. The 5S, which consists of Seiri (Sort), Seiton (Set in Order), Seiso (Shine), Seiketsu (Standardize), and Shitsuke (Sustain), aims to improve order, cleanliness, and consistency in work procedures (Hirano, 1995). By implementing 5S, Retail XYZ is expected to reduce waste, improve stock management, and speed up the check-out process which in turn can increase customer satisfaction.

This study aims to explore the application of Kaizen in Retail XYZ and analyze how the approach affects employee productivity and job satisfaction. A qualitative approach is used to uncover the first-hand experiences of employees and managers at Retail XYZ in the application of Kaizen. Through in-depth interviews and field observations, this study will explore the dynamics of change that occurred after the implementation of Kaizen and 5S, as well as the challenges faced in the implementation process.

As such, this research is expected to provide deeper insights into how the principles of Kaizen and 5S can be adapted to improve productivity and job satisfaction in the context of retail companies, as well as provide practical guidance for other companies interested in adopting a similar approach.

## **2. Research Method**

### *2.1 Research Approach*

This study uses a qualitative approach to understand the application of Kaizen and 5S in Retail XYZ. This approach was chosen because it allows researchers to explore the experiences and perspectives of employees and managers in the implementation of Kaizen, as well as to gain in-depth insights into the challenges and benefits they feel during the process (Creswell, 2003).

### *2.2 Research Design*

The design of this study is descriptive and exploratory, where researchers conduct in-depth interviews and observations to collect data. Interviews were conducted with employees and managers at Retail XYZ to understand the implementation of Kaizen and 5S and their impact on productivity and job satisfaction. Observations were made to assess the condition of the work environment and the application of 5S principles in daily practice.

### *2.3 Respond*

The respondents in this study consisted of 12 people who were directly involved in the operational process at Retail XYZ. They consist of:

- **Operations Manager (3 people):** Responsible for overseeing daily activities and implementation of management processes.
- **Frontline Employees (5-7 people):** Includes cashiers and sales staff who interact directly with customers.
- **Warehouse Employees (2-3 people):** Manage the procurement and arrangement of stock of goods.
- **Human Resources Manager (1 person):** Oversees employee well-being and provides support for training and development.

### *2.4 Data Respond*

Data is collected through:

- **In-Depth Interviews:** Interviews are conducted using a semi-structured question guide to allow respondents to share their experiences and views on the application of Kaizen and 5S. Interviews are recorded and transcripts are analyzed to identify key themes.
- **Field Observation:** The researcher made observations on the work process at Retail XYZ, including the application of 5S principles, hygiene conditions, and the regularity of the workspace. These observations aim to complement the data obtained from interviews and provide a broader context to the research findings.

### *2.5 Data Analysis*

Data obtained from interviews and observations were analyzed using thematic analysis techniques, where researchers identified patterns and themes that emerged from the data. The analysis was carried out iteratively to find the relationship between the implementation of Kaizen and 5S with increased productivity and job satisfaction of employees (Braun & Clarke, 2006). The findings of this analysis will be discussed in detail in the results and discussion section.

### *2.6 Validity and Reliability*

To ensure the validity and reliability of the research, the researcher triangulation the data by comparing the information obtained from interviews and observations. In addition, the researcher also asked for feedback from several respondents regarding the initial findings to verify the accuracy of the information that had been collected (Guba, 1985).

## **3. Results and Discussion**

### *3.1 Result*

The study involved in-depth interviews with 12 respondents from various positions at Retail XYZ to explore the application of Kaizen, including the concept of 5S. The data obtained shows that the implementation of 5S—Seiri (Sort), Seiton (Set in Order), Seiso (Shine), Seiketsu (Standardize), and Shitsuke (Sustain)—plays an important role in improving operational efficiency and effectiveness.

- Seiri (Sort Most) respondents reported improvements in the separation of necessary and unnecessary items. Respondent 1 (Cashier) stated, "We are taught to check stock regularly. This helps us to know what is out of stock faster." Respondent 4 (Shopkeeper) also added, "With better separation, we can immediately take action to replenish empty stock." This sorting process allows teams to focus more on important and relevant items, reducing confusion in the sales area.
- Seiton (Set in Order) The application of Seiton is seen in the arrangement of goods in warehouses and sales areas. Respondent 2 (Warehouse Staff) revealed, "We made improvements in the arrangement of goods in the warehouse. All the stuff is now well organized." Respondent 4 (Shopkeeper) also added that this makes the search for goods faster and more efficient. Respondent 3 (Store Manager) affirmed, "A good arrangement makes us better prepared to face customers. The sales process becomes smoother because we don't have to look for old items."
- Seiso (Shine) Respondent 5 (Employee on the IT Team) highlighted the importance of keeping the workplace clean and tidy: "The integration of digital systems helps speed up the decision-making process, and we also keep the work area clean." A clean and organized work environment not only increases comfort but also creates a more productive work atmosphere. Respondent 8 (Customer Service Employee) added, "A clean work environment makes me feel better in providing service to customers."
- Seiketsu (Standardize) Standardizing work processes is key in ensuring that all employees follow the same procedures. Respondent 9 (Production Employee) stated, "We implement standardization of the production process to reduce variability. This helps us minimize mistakes." With standardization, companies can ensure that the quality

of products and services remains consistent. Respondent 10 (HR Manager) also underlined the importance of documentation in every procedure: "By documenting the process, we can train new hires faster and more effectively."

- Shitsuke (Sustain) The practice of Shitsuke refers to the discipline of maintaining practices that have been implemented. Respondent 6 (HR Manager) explained, "We conducted training on Kaizen to improve employee understanding." However, challenges remain, as stated by respondent 11 (Supervisor): "Sometimes there is a lack of communication between teams, so some changes are not implemented properly." Respondent 12 (Customer Service Employee) added, "We need to be reminded more often of the importance of maintaining these good habits."

### *3.2 Discussion*

The implementation of 5S at Retail XYZ has a significant impact on improving operational efficiency and effectiveness, in line with Kaizen's principles that emphasize continuous improvement. Through the Seiri stage, companies can identify and eliminate unnecessary items, which have a positive impact on work productivity (Palange & Dhatrik, 2021). By implementing Seiton, respondents noted that better arrangement of goods reduces search time, thereby increasing efficiency.

Workplace cleanliness and tidiness obtained through Seiso show that a clean environment contributes to employee morale (Mathews & Khan, 2016), Respondents indicated that when the work area is kept clean, employees feel more comfortable and motivated to work well. A clean and orderly environment not only affects the working atmosphere, but also gives a positive impression to customers.

The standardization carried out within Seiketsu ensures that all employees understand the procedures to follow, which also contributes to consistency in service quality. According to previous research, process standardization can reduce variability and improve the quality of work (Abdulmalek & Rajgopal, 2007). Respondents observed that with standard procedures in place, they were able to complete tasks more quickly and efficiently.

However, the implementation of Shitsuke still faces challenges in terms of communication and discipline among employees. This reflects that success in implementing 5S requires commitment from the entire organization, as well as effective communication between management and employees (Kotter, 1995). To ensure the sustainability of 5S practices, companies need to develop a training strategy that includes aspects of strengthening good habits and regular reminders.

From the results of the interview, it can be seen that employees are aware of the importance of each stage in 5S. They understand that the successful implementation of 5S will have a positive impact not only on work efficiency but also on customer satisfaction. Employees who engage in the process of continuous improvement feel more motivated and have a sense of ownership of their work (Hackman & Oldham, 1976).

Overall, the analysis of the implementation of 5S at Retail XYZ indicates that this initiative not only contributes to improving operational efficiency but also establishes a culture of continuous improvement within the company. Further research can explore the impact of 5S on customer satisfaction and customer loyalty to provide a more comprehensive picture of the benefits of this approach.

All tables should be numbered with Arabic numerals. Every table should have a caption. Headings should be placed above tables, font size 11, left justified. Tables must be embedded into the text and not supplied separately. Table format: font size must be 10, line spacing must be 1.15 pt. Spacing must be 0 pt. Before; 0 pt. After and it must be centered.

### *3.3 Conclusion*

Based on the research that has been conducted on the application of Kaizen and 5S in Retail XYZ, it can be concluded that the implementation of the Kaizen method has a significant positive impact on improving operational efficiency and employee job satisfaction. Kaizen, with the principle of continuous improvement involving all levels in the organization, has successfully reduced the waste of time and resources, as well as improved stock management and check-out processes at Retail XYZ.

The consistent implementation of 5S (Seiri, Seiton, Seiso, Seiketsu, and Shitsuke) in Retail XYZ's work environment has also helped create a more organized, clean, and safe workplace, ultimately supporting productivity and service quality. Based on the results of interviews with respondents, it was found that improvements in cleanliness, regularity in the arrangement of goods, and employee involvement in the continuous improvement process contributed to increased job satisfaction and operational efficiency.

However, there are several challenges in the implementation of Kaizen and 5S, especially related to consistency in implementation and limited human resources in maintaining sustainable implementation. It takes a long-term commitment from management and employees to ensure that the changes that have been made can continue to be implemented and evolved.

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