The Effect of Quality Management Practice on Business Performance of SMEs in Merhabete/ Alem Ketema/, North Shoa, Ethiopia

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Author's contribution

The sole author designed, analyzed, interpreted and prepared the manuscript.

Original Research Article

ABSTRACT

The study investigated the quality management practices and business performances of SMEs in Merhabete/Alem Ketema, Ethiopia. Four key dimensions of quality management practices including customer focus, human resource focus, supplier quality management, and continuous improvements were used as independent variables accompanied by different measurement instruments under each variable, while a non-financial performance variable was used to measure the business performance. Primary data was collected using a self-administered questionnaire from a sample of 245 employees. Data were analyzed using descriptive and econometrics analysis. The findings indicate that the four key independent variables had a positive and significant effect on the performance of SMEs. The study recommended that SMEs should ensure that the objectives of the organization are linked to customer needs and expectations to improve performance, and they should allow participative consultation and engagement of employees in making decisions on quality issues and provide freedom to act with responsibility and accountability.

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1. INTRODUCTION

Total quality can be traced back nearly 80 years to the first use of statistical tools to improve the quality of manufactured products, which occurred in both the United States and Japan. According to Chen and Wong [1] it was primarily adopted by some Japanese companies in the decades immediately following World War II, with Japanese companies having greater success during the 1980s. In line with this, with the blossoming of the public sector in almost every economy, the quality imperative is no longer the sole concern of manufacturing. As a result, any service organizations are facing the same ground realities as those that confronted their manufacturing counterparts in the past. This led to quality moving from its manufacturing origins into public organizations [2].

With continuous improvement and total Quality Control (TQC) becoming increasingly important to world class companies, there's an urgent need to build quality into every management decision [3]. In developing countries, the economic importance of SMEs is similarly higher. In Ethiopia, for example, as discovered by the CSA survey of 2003, SMEs account for the bulk of nonagricultural economic activities and nearly 95.6% of total industrial employment. Despite the large number, the SME sector in Ethiopia is exposed to a number of constraints related to policy, and structural and institutional problems that hinder sustained growth, development, and long-term planning [4]. The government of Ethiopia developed a National Micro and Small Enterprise Strategy in 1996/97. However, the duty has been given significant emphasis since 2004/2005. In line with this, the government has decided to establish SMEs coordinating body at the regional level. Hence, SME's Development Agencies are set up in all regions so that they can play a great role in alleviating poverty & reducing unemployment, helping out the sector to play a pivotal role as a base to medium and large scale industry [4].

In line with this, the Amhara regional government officially established the Micro and Small Enterprises Development Agency with regulation number 205/2003. The agency was tasked with creating more quality employment opportunities and increasing returns on investment in social security, securing increased standards of living and bringing sustainable economic growth to the region. In addition, the sector serves in promoting the development of women, youth, and others as important drivers of economic development through fostering growth, technology adoption, and innovation for poverty reduction [5].

Through analysis of the Ethiopian Quality Award (EQA) self-assessment report evaluation [6]. generally, quality management practices in Ethiopia was found to be low in all the tenets including leadership, policy and strategy, resources management, process management, customer satisfaction, business performance and impact on society. This study mainly focused on the effect of Quality Management Practices and business Performance in Ethiopia SMEs particularly in Merhabete (Alem Ketema Town). Many small manufacturing enterprises are registered each year, but most of them finding it difficult to sustain the business, the few that survive are at risk of foreclosure and bankruptcy, thus find it challenging to meet with customer's quality demands for the products and services they offer. This has caused a decline in domestic investment and the inability of existing SMEs to expand their operations in Merhabete, Alem Ketema Town, North Shoa Ethiopia.

Research into the relationship between quality management practices and the performance of organizations is scarce, and the results seem sometimes contradictory. Further empirical research in this area seems to be necessary. In the world quality management has been regarded as a valuable strategy or activity for the public sector [7]. Particularly the researcher hardly found any previous studies which are specifically conducted to examine the relationship between quality management practices and the performance of small manufacturing enterprises in Ethiopia. Therefore, the researcher believed that there is a gap of knowledge about the relationship between quality management practices and business performance and also a problem with the implementation of TQM practice in the study area within Ethiopia's SME sector. Accordingly, this study will investigate the effect of quality management practices and business performance in SMEs in Merhabete, Alem Ketema Town. With this in mind, the general objective of the study was to investigate the effect of quality management practices and business performance in SMEs in Merhabete, Alem Ketema Town. While the specific objectives include:
1. To determine the effect of customer focus on business performance in SMEs located in Merhabete, Alem Ketema Town.

2. To analyse the effect of continuous improvement and organizational performance of SMEs in Merhabete, Alem Ketema Town.
3. To determine the extent to which human resource focus on business performance impacts SMEs in Merhabete, Alem Ketema Town.
4. To analyse the effect of supplier quality management business performance of SMEs in Merhabete, Alem Ketema Town.

2. LITERATURE REVIEW AND HYPOTHESES

A number of studies have been carried out that try to relate the impact of quality management practices on business performance. The majority of these studies conclude that there is a positive relationship between the implementation of quality management practices, and business (organizational) performance improvement [7-11]. As several empirical studies show, implementing quality management practices effectively influences firm performance positively [12-14]. Firms that implement quality management focus on providing more value for their customers and improving the efficiency of processes. Continuous improvement of processes and product quality leads to increased revenues (through product reliability) and reduced costs (through process efficiency). Although the majority of the studies carried out state that there is a positive relationship between quality management practices and performance, as was just mentioned, there is also a group of authors that did not find enough evidence to support such a relationship [15,16]. Even though there are small numbers of studies conducted on the effect of quality management practices on organizations' performance, still little is known about the effect of quality management practices on business performance particularly in the case of SMEs in Ethiopia.

This study is hinged on the Quality Improvement Theory. Quality Improvement Theory proposes that a component of quality management is that it places duty regarding fabricating associations decisively at the entryway of top administration [17] observed that no quality management framework could exist without top management responsibility; the administration invests in procedures, creates corporate culture, selects suppliers, and cultivates long-term relationships. Deming's Quality Improvement Theory provides a framework for businesses to

eliminate low-quality control issues through effective administrative systems. The behavior of management shapes the corporate mentality and characterizes what is essential for the firm's success and survival.

Hubert [18] has put forward the hypothetical approach of Deming in regard to the quality administration framework, and it visualizes the production of a hierarchical framework that encourages participation and figuring out how to encourage the execution of process administration rehearses. This, thus, prompts the persistent change of the procedures, items, and administrations and imparts workers. The theoretical approach of Deming with respect to the quality management system detailed by Hubert [19] presupposes the creation of an organizational system that adopts cooperation and learning to facilitate the implementation of process management practices. This, in turn, leads to the continual improvement of the processes, products, and services and helps to introduce employee satisfaction. These are critical to promoting customer focus, and, ultimately, helping in the survival of any organization.

The responsibilities of top management should take the lead in changing processes and systems [20]. Leadership plays a crucial role in ensuring the success of quality management because it is the top management's responsibility to create and communicate the vision to move the firm toward performance improvement. Top management is responsible for most quality problems and methods to solve them. These methods include an appropriate working environment and climate for work that is free of fault-finding, blame, or fear and instead provide clarity of issues, communicate effectively and provide appropriate environment for work to enhance performance [21] Deming's quality improvement theory is relevant to this study in that quality management practices are a quality management system that can be used to enhance the quality of products and services through continuous improvement and which organizations can use to realize performance [22].

2.1 Hypotheses Formulation

2.1.1 The effect of business performance on SMEs

Business performance refers to meeting the firm's objective or the success of the business.

Daft [23] opines that business performance is the firm's ability and capacity to achieve organizational objectives. Previous studies have widely investigated how to improve business performance and different predictors and factors of firm performance. The main purpose of any enterprise (firm) is to provide customers with products and services that meet and satisfy their needs and wants. In the field of organizational studies and strategic management literature, performance is considered one of the most important constructs [24] Therefore, researchers have conducted considerable amount of research work on enterprise's performance seeking to understand the factors, processes, and other antecedents that can increase the enterprise's outcomes [25] According to Rogers & Wright [26] the business performance of a firm has widely been studied as a dependent variable in organizational research studies. Hitt et al. [27] are of the view that manufacturing firms have an overall strategic goal of maintaining a performance that leads to a competitive edge in the market. Psomas et al. [28] argue that performance contributes to providing a competitive advantage to the firms in high competition in the market. The company takes advantage of its competitors and performs better in business.

Psomas et al. [28] used ISO certified and noncertified manufacturing firms in Greece. The study findings indicated that ISO certified manufacturing firms significantly outperformed the non-certified ones with regard to product quality, firm performance, operational, market, and financial performance. The study used financial and non-financial measures of performance and it was done in a developed country Greece. However, Ikay and Aslan [29] in their study on SMEs in Turkey measured the difference between ISO-certified and non-certified firms on performance. The results showed no statistically significant difference between certified and non-certified firms in terms of performance. The current study focused on non-financial measures of SME performance and it was carried out in a developing country, Ethiopia. Additionally, the study measures quality management practices such as continuous improvement, customer focus, human resource focus, and Supplier quality management. The concepts are summarized in the conceptual framework in Fig. 1.

The task of achieving the specific objectives led to the formulation of the study hypotheses which include:

H_1: Customer Focus has a positive and significant effect on the business performance of SMEs.

H_2: Continuous Improvement has a positive and significant effect on the business performance of SMEs.

H_3: Human resource focus has a positive and significant effect on the Business performance of SMEs.

H_4: Supplier quality management has a positive and significant effect on the Business performance of SMEs.

3. RESEARCH METHODS

The study was quantitative research using an explanatory research design to reveal the determinants of quality management practice. The explanatory studies were used because they establish a causal relationship between dependent and independent variables. Primary data was collected from employees in SMEs in Merhabete, Alem Ketema using a structured close-ended questionnaire. A total of 124 SMEs were identified in the study area with total employee strength of 500. A proportional simple stratified random sampling technique was used to get a representative sample. The Taro Yemane [30] method was used to calculate the sample size; the equation is given as follows:

$$n = \frac{N}{1 + N(e)^2}$$

n = signifies the sample size
N = is the population under the study
e = 0.05 the margin error

$$n = \frac{500}{1 + 500(0.05)^2} = 222.22 \approx 223,$$

Adding 10% non-response rate (222*0.1= 22)

Thus, a total of 245 employees working in SMEs were selected as respondents in this study. Copies of the questionnaire were distributed to the respondents face-to-face, the completed questionnaire was analyzed using descriptive and inferential statistics employing the STATA 14 software. Descriptive statistics employed include mean, percentage, and standard deviation, while the inferential statistics applied include Pearson correlation and regression analysis.
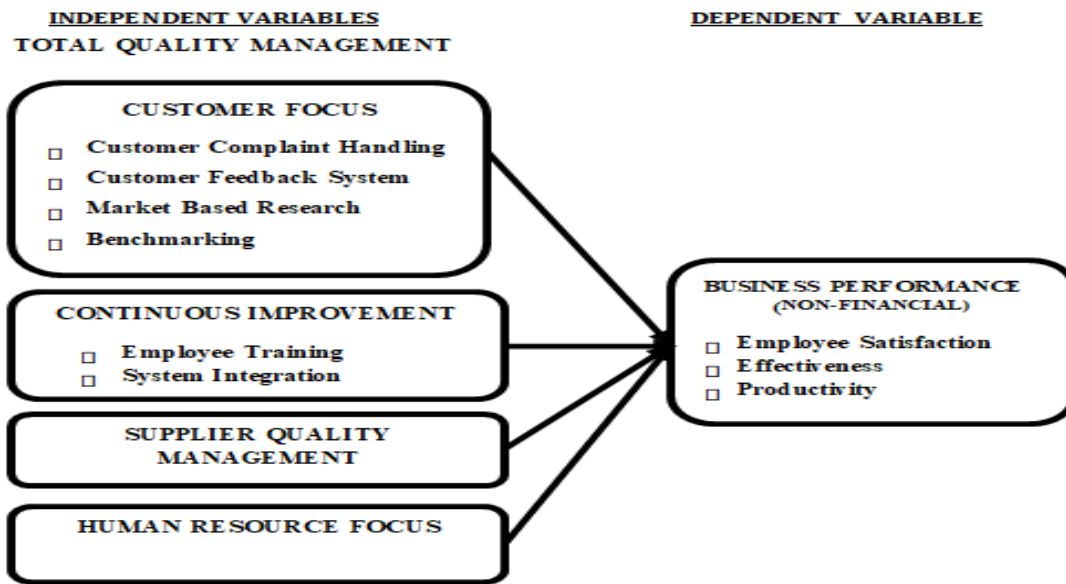
Fig. 1. Conceptual Framework

Respondents were asked to rate their level of insight on the five variables on a five-point Liker scale basis to obtain immediate information from SME employees. To measure all questions on total quality management and business performance, a scoring scale ranging from 1 = Strongly Disagree through 2 = Disagree, 3 = Neutral, 4 = Agree to 5 = Strongly Agree was developed. The Cronbach Alpha was used to test the reliability of the respondent data using STATA 14, while the study was validated by a qualified research advisor and language experts for clarity of the questionnaire statements.

3.1 Dependent Variable

Business Performance: the comparison of the value created by an enterprise with the value owners expected to receive from the enterprise. And it measures the non-financial aspects like employee satisfaction (3 items), effectiveness (4 items), and productivity (3 items) [31].

3.2 Independent Variables

Customer Focus: defined as the degree to which a firm continuously satisfies customer needs and expectations that measured by customer compliant handling (4 items), customer retention intervention (4 items) customer feedback system (2 items), market-based research (2 items) and benchmarking (1 item) [32].

Continuous Improvement: is designed to empower employees to solve problems that bug them gradually improve the efficiency of their work process as well as the ongoing improvement of products, services measured by employee training (3 items) and system integration (7 items) [32].

Human Resource Focus: is addresses key human resources practices directed toward creating and maintaining a high-performance workplace and toward developing enterprises to enable them and the organization to   adopt to change (4 items) [33,34].

Supplier Quality Management: is the system in which supplier quality is managed by using a proactive and collaborating approach, it continues through the entire life cycle of a product and for the duration of the relationship with that particular supplier (5 items) [35].

4. RESEARCH RESULTS AND DISCUSSION

4.1 Sample and Response Rate

The researchers distributed 245 questionnaires for 124 Small Manufacturing enterprises in Merhabete, Alem Ketema.   Out of which 230(93.88%) were completed and returned. Babbie [34] suggests that a response rate of 50% is adequate, 60% is good, and 70% or above is very good. Based on the suggestion of Babbie, the respondent's rate in this research

was very good. Because 230 questionnaires were collected from 245 total sample of the study, which cover 93.88% of the sample size. The analysis was made based on the responses obtained from the 230 questionnaires found to be valid for further statistical analysis.

4.2 Demographics of Respondents

The demographic variables taken into consideration in this study include age, sex, monthly salary, educational level, and work experience in year. Table 1 summarizes the profile of the respondents in relation to the above mentioned demographic attributes of the respondents [36-41].

4.3 Fit Test Result

The internal consistency of the research instrument was tested using Cronbach's Alpha. This is important because the internal consistency of the analysis of the score is used to test to what extent the separate items measure a similar concept Saunders et al. clarifiy that when the value of alpha is 0.9, it is considered excellent, greater than 0.8 is good, greater than 0.6 is acceptable, greater than 0.5 up to 0.59 is poor and less than 0.5 is unacceptable. The fit test result is presented in Table 2.

The results from Table 2 show that the test results for all the variables were acceptable with values above 0.7 which Saunders et al. considered as acceptable.

4.4 Descriptive Analysis of Variables

The researchers used various statistical data analysis tools such as mean, standard deviation, minimum, maximum, frequency and percentile to analyse the collected data. They are presented in Table 3.

Following Table 3 above the description with regard to each independent variable is presented as follows;

Continuous Improvement practice 3.172, which is below average, indicates that the existing, continuous improvement practice employee training, system integration, and benchmarking. In employee training mean values are **3.8939** this means the enterprise has training policies for employees, Employees are continuously trained to enhance internal quality performance and improve their problem-solving skill in study area of SMEs. In system integration **(2.91)** not has the continuous improvement of

quality systems leading to increase revenues, has no continuous monitoring and improvement of the quality system and procedures to enhance performance. In benchmarking **(2.678)** the enterprise has no time limit to meet the efficiency of products delivery and does not have quality practice. The enterprise also has no set benchmarks for internal quality realization and conformity.

Customer Focus also has a mean value is **3.083**, which is below average indicating that customer focus practice (customer complaint handling, customer feedback system, benchmarking, and market-based research) practice is not properly applied to SME in the study area.

Human Resource Focus is one of total TQM practice and the mean value is **2.836**, which is below the average which indicates human resource practices like 'Right person is selected for the right job``, Proper and efficient training is provided to newly elected personnel, Career development training to employees is provided by the enterprise (both internal and external) and Health and safety practices are not properly applied on SME, because of the enterprise was not emphasis on human resources focus.

Supplier Quality Management is another independent variable affects business performance; the results show that it returned a mean value of **3.493**. It indicates moderate to average. That means the SMEs have moderately provided certification to suppliers and routine audits take place to maintain the quality of standards, employees periodically visit the supplier to inspect and evaluate the products for improving quality, knows the detailed information about the supplier and their performance, suppliers regularly take feedback from the SMEs, so as to maintain quality standards because of SMEs regards quality of products more important than price for selecting a supplier.

The summary of statistics of all variables that are evaluated based on a 5-point liker scale (from "1" "strongly disagree" to "5" "strongly agree"). According to Zaidaton and Bagheri (2009), when the mean score below **3.39** was considered as low, the mean score from **3.40** up to **3.79** was considered as moderate, and mean score above **3.8** was considers as high as illustrated by Comparison bases of a mean of a score of five-point Liker- scale instrument. Thus, details of the analysis are presented in Table 4.

Table 1. Demographic Characteristics

Variable	Category	Frequency	Percent
Sex	Male	162	70.43
	Female	68	29.57
Age (years)	18-29 Years	95	41.30
	30-45 Years	61	26.52
	46-60 Years	57	24.78
	>60 Years	17	7.39
Educational level	Illiterate	10	4.35
	Primary	50	21.74
	Secondary	49	21.30
	TVET/Diploma	89	38.70
	Degree	27	11.74
	Masters and above	5	2.17
Experience	1-3 Years	105	45.65
	4-6 Years	73	31.74
	7-9 Years	45	19.57
	>9 Years	7	3.04
Salary (in Birr)	<3000 Birr	77	33.48
	3001-5000 Birr	129	56.09
	5001-10000 Birr	16	6.96
	>10000 Birr	8	3.48

Source: Own Survey, 2021

Table 2. Data Reliability Test

Variables	No. of Items	Sign	Alpha	Internal Consistency
Business Performance	**10**	**+**	**0.7480**	**Acceptable**
Employee Satisfaction	3	+	0.7873	Acceptable
Effectiveness	4	+	0.7323	Acceptable
Productivity	3	+	0.7462	Acceptable
Continuous Improvement	**9**	**+**	**0.7558**	**Acceptable**
Employee Training	3	+	0.7809	Acceptable
System Integration	3	+	0.7730	Acceptable
Benchmarking	3	+	0.7674	Acceptable
Customer Focus	**12**	**+**	**0.7366**	**Acceptable**
Customer Complaint Handling	4	+	0.7381	Acceptable
Customer Retention Intervention	4	+	0.7375	Acceptable
Customer Feedback System	2	+	0.7798	Acceptable
Market Based Research	2	+	0.7574	Acceptable
Human Resource Focus	**4**	**+**	**0.7622**	**Acceptable**
Supplier Quality Management	**5**	**+**	**0.7622**	**Acceptable**
Test Scale			**0.7711**	**Acceptable**

Source: Own Survey, 2021

Table 3. Summary Statistics on Independent Variables

Variables	Obs.	Mean	Std. Dev.	Min.	Max.
Continuous Improvement	**230**	**3.172**	**0.484**	**1.77**	**4.33**
Employee Training	230	3.839	0.396	3.00	4.67
System Integration	230	2.910	0.757	1.00	4.67
Benchmarking	230	2.768	0.984	1.00	5.00
Customer Focus	**230**	**3.083**	**0.519**	**1.90**	**4.37**
Customer Complaint Handling	230	2.988	0.836	1.50	5.00
Customer Feedback System	230	3.133	0.826	1.25	5.00

Market Based Research	230	2.889	0.583	1.50	3.50
Benchmarking	230	3.323	0.745	2.00	5.00
Human Resource Focus	**230**	**2.836**	**0.964**	**1.00**	**5.00**
Supplier Quality Management	**230**	**3.493**	**0.413**	**2.60**	**4.40**

Source: Own Survey, 2021

Table 4. Summary Statistics on Business Performance

Variables	Obs.	Mean	Std. Dev	Min.	Max.
Business Performance	230	3.185	0. .531	1.60	4.40
Employee Satisfaction	230	2.658	0.759	1.00	5.00
Effectiveness	230	3.496	0.828	1.00	4.75
Productivity	230	3.299	0.751	1.00	4.33

Source: Own Survey, 2021

Employee satisfaction: is one of organizational performance measurement tools which had a Mean value of 2.658 which indicates below average, which implies that the SMEs management has not involved employees in decision making on all quality matters, or offered employees opportunities for career growth through training and development, there is no improved information flow between top management and employees within the enterprise that leads to satisfying its employees.

Effectiveness: is another business performance indicator of SMEs with a mean value is 3.496 considered as moderate, which implies the employee is to some extent well trained on quality matters to enhance efficiency, to deliver the products to customers on time, use maximum physical facilities and quality administrative system was applied moderately.

Productivity: is a performance measurement tool with a mean value of 3.299 which indicates below average and that the SMEs were not certified ISO compliant to measure defects and wastages, and there is no improved lead time up to delivery and cost reduction methods.

4.5 Pearson Correlation Analysis

Pearson´s correlation coefficient (r) was used to conduct the correlation analysis to find the level and direction of the relationships between dependent and independent variables. The result indicates that all factors have a positive and significant relationship with successful implementation of quality management practice on SMEs for enhancing business performance. That means for business performance, the correlation coefficient range has r values between 0.5614 up to 0.6458, continuous improvement that have r values 0.5614 which

moderate correlation and the other customer focus, human resource focus, and supplier quality management has r values from 0.6063 up to 0.6458 which means strong positive relation with business performance indicates the correlation is significant at 1% level of significance. As shown in Table 5, the result below each independent variable had correlation value stated as follows.

Correlation Analysis between continuous improvements with business performance - Continuous improvement is positively related to business performance with a Pearson correlation coefficient r=0.5614 and the p-value is 0.0001, which is less than 0.01. Therefore, there is moderate positive correlation and statistically significant correlation at a 1% level of significance.

Correlation Analysis between customer focus with business performance - Customer focus is positively related to business performance with a Pearson correlation coefficient r=0.6063 and p-value is 0.000, which is less than 0.01. Therefore, there is a strong positive correlation and statistically significant correlation at 1% level of significance.

Correlation Analysis between human resource focus with business performance - Human resource focus is positively related to business performance with a Pearson correlation coefficient r=0.6458 and p-value is 0.0001, which is less than 0.01. Therefore, there is a strong positive correlation and statistically significant correlation at 1% level of significance.

Correlation Analysis between supply quality management with business performance - Supply quality management is positively related to business performance with a Pearson correlation coefficient r=0.6093 and p-value is

0.000, which is less than 0.01. Therefore, there is a strong correlation and statistically significant correlation at 1% level of significance. Using Pearson correlation determining the degree of association between the indicated internal factors, hypotheses were tested the Table 5.

Hypothesis 1:
H_1: Continuous improvement has a positive and significant effect on business performance

Regression coefficient result shows that business performance was significantly influenced by continuous improvement since beta value = 0.2056 and P-value = 0.002 < 0.01 and similarly continuous improvement has a positive and significant effect business performance are statically significantly at 1% level of significances. The result revealed that when the continuous improvement improved by 1%, the business performance also increased by 20.56%. Therefore, the result revealed that business performance of SMEs was significantly predicted So, the null hypothesis is rejected whereas the alternative hypothesis is accepted. The result is in line with several previous studies, among others Li et al. [42] stated both in manufacturing and service industries, and Continuous Improvement (CI) is recognized as the most useful aspect to enhance competitiveness, efficiency, quality, and performance accordingly. Moreover, based on Maletič et al. [43] found that CI had a positive and significant impact on maintenance performance. The findings also provide empirical evidence that continuous improvement can be an effective way to improve maintenance performance [42].

The study also concludes that continuous improvement and innovation management strategy and system have a significant impact on SMEs performance. On the other hand, TQM is defined especially as a management philosophy that enlarges an organizational culture, through continuous improvement committed to customer satisfaction [44] Abusa and Gibson [44] revealed that continuous improvement was significantly correlated with only one performance improvement, which is customer satisfaction.

Hypothesis 2:
H_1: Customer focus has a positive and significant effect on business performance

Based on the above result for regression coefficient customer focus is the other statistically significant variable in explaining the outcome variable i.e. business (organizational) performance with a beta value of 0.2054 since P-value = 0.001 < 0.01. The result revealed that when the customer focus improved by 1%, the business performance also increased by 20.5%. This indicates customer focus has a significant positive effect on business performance in Merhabete/Alem ketema small manufacturing enterprise so; the null hypothesis is rejected whereas alternative hypothesis is accepted

Hypothesis 3:
H_1: Human resource focus has a positive and significant effect on business performance

The third hypothesis shows the interaction effect of human resource focus with business performance that it has a positive and significant effect on business performance implication with a statistically significant value. From the regression result human resource focus has a strong positive effect on business performance in Merhabete/Alem Ketema Small Manufacturing Enterprise. The value of beta= 0.1095 and p-value=0.002 < 0.01). The result revealed that when the human resource focus improved by 1%, the business performance also increased by 10.95%. Therefore null hypothesis is rejected whereas alternative hypothesis is accepted

Hypothesis 4:
H_1: Supplier quality management has a positive and significant effect on business performance

The regression coefficient table indicated the existence of a strong positive and statistically significant effect on supplier quality management on business performance at 1% level of significance since p-value=0.008) with beta=**0.2218**. Similarly, the correlation coefficient table also indicates that there is strong positive effect on supplier quality management and business performance. Therefore, based on the above two tests the assumption supplier quality management has a positive influence on business performance in SME Merhabete/Alem Ketema. The result revealed that when the supplier quality management improved by 1%, the business performance also increased by 22.18%, so the null hypothesis is rejected whereas alternative hypothesis is accepted. The results are consistent with the previous studies of Abusa & Gibson, Kaynak, and Hartley [45] Therefore, it is concluded that SQM is an integral element of the TQM to enhance business performance.

Table 5. Pearson Correlation Coefficient Variable

	Respondents	Correlation Coefficient	P-value
Continuous Improvement	230	0.5614	0.0001*
Customer Focus	230	0.6063	0.0000*
Human Resource Focus	230	0.6458	0.0000*
Supplier Quality Management	230	0.6093	0.0000*

*Note: * indicates the correlation is significant at 1% level of significance.*
Source: Own Survey, 2021

Table 6. Summary of Hypotheses

Hypothesis		Decision
H_1:	Continuous improvement has a positive and significant effect the business performance of SME	Accepted
H_2:	Customer focus has a positive and significant effect on the business performance of SME	Accepted
H_3:	Human resource focus has a positive and significant effect on the business performance of SME	Accepted
H_4:	Supplier quality management has positive and significant effect on business performance of SME	Accepted

5. CONCLUSION

The purpose of this study was to look into the impact of quality management practices on the business performance of SMEs in Merhabete/(Alem Ketema), North Shoa, Ethiopia. The study's main goal was to look into the relationship between quality management practices and business performance in SMEs in Merhabete/Alem Ketema. In evaluating the quality management practices of SMEs, the researchers looked at the effect of the independent variables (continuous improvement, customer focus, human resource focus, and supplier quality management) on the dependent variable (business performance). According to the study's findings, SMEs have a low level of quality management practice (continuous improvement). The CI also has a positive relationship with business performance, as well as a significant and positive effect on the business performance of SMEs operating in the study area.

Based on the findings, the study recommends that continuous follow-up and immediate feedback be given serious consideration in the process of implementing TQM practice in SMEs in Merhabete/Alem Ketema. This will ensure that TQM practices are successfully implemented in the management of SMEs in the study area. Continuous improvement, according to the findings, is a critical means to the successful practice and integration of quality management practice. Employees are empowered by continuous improvement because it directs them directly to the desired organizational goals. Employee training, system integration, and benchmarking can enable the continuous improvement system, which leads to an increase in product quality, problem-solving skills of employees, the absence of defects, and the timely delivery of products to customers, which leads to an increase in customers and an increase in the SME's revenues and profitability.

CONSENT

As per international standard or university standard, respondents' written consent has been collected and preserved by the authors.

COMPETING INTERESTS

Author has declared that no competing interests exist.

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