



**ST. MERY'S UNIVERSITY
SCHOOL OF GRADUATE STUDIES
FACILITY OF BUSINESS**

**The Role of Employees' Empowerment in Improving Organization Effectiveness
(The case of Addis Ababa Water & Sewerage Authority)**

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**December 2024
Addis Ababa-Ethiopia**

**The Role of Employees' Empowerment in Improving Organization Effectiveness
(The case of Addis Ababa Water & Sewerage Authority)**

**A Thesis Submitted to St. Mary's University School of Graduate in Partial
Fulfillment of the Requirements for the Degree of Master of Business
Administration.**

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DECLARATION

I, the undersigned, declare that this thesis entitled “**The Role of Employees’ Empowerment in Improving Organization Effectiveness: The case of Addis Ababa Water & Sewerage Authority.**” is my original work, prepared under the guidance of the research advisor. All sources of materials used for the thesis have been duly acknowledged. I further confirm that the thesis has not been submitted either in part or in full to any other higher learning institution for the purpose of earning any degree.

Jembere Lemma Tulu

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Date

**St. Mary’s University December, 2024
Addis Ababa – Ethiopia.**

CERTIFICATE

This is to certify that Jembere Lemma Tulu worked on the research paper “The Role of Employees’ Empowerment in Improving Organization Effectiveness: the case of Addis Ababa Water & Sewerage Authority”, under my supervision. I certify that this thesis is his original work and that it can be used to fulfill a partial of the requirements for the award of Master’s in Business Administration.

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I wish to express my sincere and deepest thanks to God because he creates man by his image and likes. Not only has this he also become man to bring man GODS. Through true and virtue love to us fatherly. I extend my gratitude to virgin St Mary her personality dignity life model for her helping me by spiritual case. I am also gratefully to my advisor Mesfine Tesfaye (Ph.D) for his advice and support in helping me prepare this research proposal. I also want to thank all Ababa Water & Sewerage Authority (AAWSA) employees who give attention precise recommend advice etc. Finally, I would like to express my love and gratitude to my family.

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Abstract

This study explores the relationship between employee empowerment and organizational effectiveness at the Addis Ababa Water and Sewerage Authority (AAWSA), focusing on key variables such as autonomy, participation in decision-making, skill development, accountability, and leadership support. The general objective of the research was to examine how these factors contribute to enhancing organizational effectiveness, measured through service quality, operational efficiency, and employee satisfaction. A mixed-methods research design was employed, combining both quantitative and qualitative approaches to gain a comprehensive understanding of the subject. The population included employees and leaders at AAWSA, with a stratified random sampling technique used to select 261 respondents for the quantitative survey and purposive sampling for 4 in-depth interviews with leaders. Data collection tools included structured questionnaires and semi-structured interview guides, and data analysis involved reliability tests, descriptive statistics, correlation analysis, regression analysis, and thematic analysis for qualitative data. The findings revealed that all five empowerment factors had a statistically significant and positive influence on organizational effectiveness, with leadership support and skill development showing the strongest impacts. Challenges such as limited resources, resistance to change, and gaps in accountability mechanisms were also identified. The study concludes that fostering employee empowerment through targeted initiatives can significantly enhance organizational performance and offers recommendations for AAWSA, city administration, and national-level stakeholders to strengthen empowerment practices.

Keywords: *Employee Empowerment, Organizational Effectiveness, Leadership Support.*

Chapter One: Introduction

1. Background of the Study

Employee empowerment has emerged as a vital topic in discussions about organizational management and performance. Essentially, empowerment involves practices that give employees more autonomy, boost their decision-making power, and ensure they have access to the resources needed to do their jobs well. Research by Conger and Kanungo (1988) and Spreitzer (1995) has shown that when employees feel empowered, they tend to be more engaged, motivated, and effective in contributing to organizational success. Around the world, many organizations have adopted employee empowerment as a strategic approach to enhance efficiency and effectiveness, especially in service industries where employee performance significantly influences customer satisfaction (Mishra et al., 2021).

In the public sector, however, the implementation of empowerment strategies has lagged behind that of private companies. Traditional bureaucratic structures, strict hierarchies, and a lack of flexibility have often limited employee involvement and decision-making (Nyamu et al., 2022). On an international scale, public organizations in developed nations have made notable strides in embracing empowerment practices, resulting in better efficiency and service delivery. For example, Scandinavian countries have effectively introduced empowerment frameworks in public utilities, leading to increased employee satisfaction and improved public service results (Helsing & Björn, 2020). These global examples highlight the transformative potential of empowerment for enhancing organizational performance in both public and private sectors.

In Ethiopia, the importance of empowerment within public organizations has become increasingly recognized. Addis Ababa, despite its growing urban population, faces considerable challenges in managing water and sewerage services. The Addis Ababa Water and Sewerage Authority (AAWSA) is tasked with delivering these vital services but has struggled to keep up with the demands of a rapidly growing city. Limited resources and operational inefficiencies have put AAWSA under significant pressure to enhance its performance. Research in the Ethiopian public sector indicates that employee disengagement, ineffective leadership practices, and a lack of motivation are major obstacles to organizational success (Teferi & Kebede, 2021). Therefore, empowerment is viewed as a potential solution to these issues by promoting a culture

of accountability, innovation, and collaboration. From a policy standpoint, Ethiopia's national development frameworks, such as the Growth and Transformation Plan (GTP), highlight the necessity of effective public service delivery in achieving sustainable development goals. Employee empowerment supports these policy aims by boosting the ability of public-sector workers to make meaningful contributions to organizational objectives. While empowerment practices have been extensively examined in the private sector, their implementation in Ethiopian public organizations is still relatively uncharted. Addressing this gap is essential, considering the unique cultural and institutional factors that shape employee behavior and organizational performance in Ethiopia (Yilma et al., 2023).

The current state of employee empowerment at AAWSA presents a combination of challenges and opportunities. Although the organization has made some attempts to engage its employees, these efforts tend to be disjointed and lack a clear strategic focus. Leadership practices are mainly hierarchical, which restricts employee involvement in decision-making. Furthermore, there is a lack of investment in capacity building, limiting employees' ability to take on greater roles and responsibilities. These issues not only impact employee morale but also have wider consequences for the quality of services offered to the residents of Addis Ababa.

On a national level, water and sewerage services are vital for public health, environmental sustainability, and economic growth. Any inefficiencies in this sector can directly affect the quality of life and hinder the government's ability to meet its developmental goals. Looking internationally, successful public utility models from other countries emphasize the critical role of employee empowerment in achieving operational excellence. This study aims to investigate how empowerment practices can be adapted to the specific context of AAWSA to enhance organizational effectiveness.

The importance of this study lies in its potential to connect theory with practice. By exploring the impact of employee empowerment on improving organizational effectiveness at AAWSA, the research seeks to contribute to the wider conversation on public-sector management in Ethiopia. Its findings will not only guide AAWSA's internal policies but also provide insights for other public organizations facing similar issues. Ultimately, this research highlights the significance of empowerment as a means of organizational transformation and aligns with both national and international efforts to improve public service delivery.

2. Statement of the Problem

The Addis Ababa Water and Sewerage Authority (AAWSA) plays a crucial role in the city's development by ensuring access to clean water and efficient wastewater management. Despite its importance, AAWSA has been facing persistent challenges in meeting the growing demand for water and sewerage services in Addis Ababa, a city experiencing rapid urbanization. At the core of these challenges are internal organizational issues, particularly related to employee management and empowerment. Weak employee empowerment practices at AAWSA have contributed to low motivation, limited job satisfaction, and poor productivity, ultimately impacting the organization's ability to provide quality services.

Employee empowerment is widely regarded as a key driver of organizational effectiveness. Empowerment involves granting employees autonomy, access to resources, opportunities for participation in decision-making, and avenues for skill development. Studies have shown that empowered employees exhibit higher levels of engagement, creativity, and accountability, all of which are essential for organizational success (Tsegaye & Gebreyesus, 2021; Gashaw & Mesfin, 2022). However, empowerment remains a relatively underdeveloped practice within AAWSA. The organization's centralized structure, characterized by rigid hierarchies and limited employee involvement, has stifled opportunities for empowerment.

Research in public-sector organizations in Ethiopia has highlighted how centralized decision-making and bureaucratic structures create significant barriers to effective employee empowerment (Demissie, 2022). Employees often lack a sense of ownership and responsibility due to limited participation in the organization's strategic and operational decisions. In the case of AAWSA, this lack of empowerment

Addis Ababa Water and Sewerage Authority (AAWSA) plays a key role in the city's development by ensuring access to clean water and efficient wastewater management. Despite its importance, AAWSA continues to face challenges in meeting the growing demand for water and sewerage services in Addis. Ababa is experiencing rapid urbanization. There are problems within organizations, especially those related to employee management and empowerment. Poor employee empowerment practices at AAWSA result in low motivation. Limited job satisfaction and poor performance Ultimately, it affects the organization's ability to provide quality services. Employee empowerment is widely regarded as a key driver of organizational effectiveness.

Empowerment is about giving employees autonomy. Access resources Opportunity to participate in decision making and channels for skill development Studies have shown that empowered employees demonstrate engagement. creativity and a high level of responsibility All of which are essential to the organization's success (Tsegaye & Gebreyesus, 2021; Gashaw & Mesfin, 2022), however, empowerment within AAWSA is a relatively underdeveloped practice. Centralized structure of the organization It has a strict hierarchy and limited employee participation. hindering opportunities for empowerment Research in public sector organizations in Ethiopia has highlighted how centralized decision-making and bureaucratic structures create significant barriers to effective employee empowerment (Demissie, 2022). Employees often lack a sense of belonging and Accountability due to limited participation in the organization's strategic and operational decisions. In the case of AAWSA, this lack of authority

3. Research Questions

1. To what extent does autonomy influence organizational effectiveness at AAWSA?
2. To what extent does employee participation in decision-making impact organizational effectiveness at AAWSA?
3. How does skill development contribute to enhancing organizational effectiveness at AAWSA?
4. To what extent does employee accountability affect organizational outcomes at AAWSA?
5. How does leadership support foster employee empowerment and improve organizational effectiveness at AAWSA?

4. Research Objectives

4.1. General Objective

The main aim of this study is to examine the role of employee empowerment in improving the organizational effectiveness of Addis Ababa Water & Sewerage Authority.

4.2. Specific Objectives

- To examine the influence of employee autonomy on organizational effectiveness at AAWSA.
- To assess the impact of employee participation in decision-making on the performance of AAWSA.
- To analyze the contribution of skill development initiatives to improving AAWSA's effectiveness.
- To investigate how employee accountability affects organizational outcomes at AAWSA.
- To evaluate the role of leadership support in fostering employee empowerment and enhancing organizational effectiveness at AAWSA.

5. Significance of the study

This research is important for the Addis Ababa Water & Sewerage Authority, as it focuses on major areas of employee empowerment and its impact on organizational effectiveness. Specifically, the study has the following significance:

- **To the Community:**

This research contributes to the Addis Ababa community through the identification of how organizational effectiveness improves AAWSA's service delivery. Improved employee empowerment is translated into improved water and sewerage services, thus affecting the health, convenience, and quality of life for the public.

- **To Other Research:**

The study makes a useful reference for future studies on employee empowerment in the context of public-sector organizations, especially in developing countries. Its mixed-methods approach to and focus on a utility service in Ethiopia fill the literature gaps and open pathways for comparison studies.

- **To the Body of Knowledge:**

This study contributes to the theoretical understanding of how employee empowerment influences organizational effectiveness, particularly in public utilities. It integrates theories of empowerment like Self-Determination Theory and Path-Goal Theory into a developing country context, enriching global knowledge on the topic.

6. Scope, Limitations, and Assumptions

6.1. Scope:

- *Geographical Scope*

The emphasis on AAWSA is warranted as it serves as the main public entity responsible for water supply and sewerage services in Addis Ababa, Ethiopia. With the increasing population and challenges of urbanization, the effectiveness of AAWSA is crucial for tackling water access and sanitation problems in the city. By concentrating solely on Addis Ababa, the study facilitates a thorough examination of a single, important organization, preventing the dilution of results that could occur if other regions with different operational contexts were included. This targeted approach enables the research to deliver practical insights for AAWSA while providing a framework that could be adapted for similar public organizations across Ethiopia.

- *Conceptual Scope*

The study is designed to explore the connection between employee empowerment and organizational effectiveness. This focus is supported by a growing acknowledgment in both academic research and real-world applications that empowerment plays a vital role in enhancing performance and service quality (Conger & Kanungo, 1988; Spreitzer, 1995). By investigating specific aspects such as autonomy, skill development, participation in decision-making, accountability, and leadership support, the study aims to provide a comprehensive understanding of empowerment. This method is in line with recent research that highlights the complex nature of empowerment and its impact on organizational results, especially within the public sector of developing nations (Luthans, 2002).

- *Methodological Scope*

The mixed-methods approach is effective because it leverages the advantages of both quantitative and qualitative methods, offering a well-rounded understanding of the subject. Surveys help in identifying numerical trends, while interviews provide richer insights into the experiences of employees and the viewpoints of managers. By concentrating on employees who are directly involved in service delivery, the findings remain pertinent to AAWSA's essential operations. This methodological framework ensures that the study not only uncovers patterns but also places them within the context of AAWSA's operational landscape, adhering to best practices in organizational research (Creswell & Plano Clark, 2017).

- *Time Scope*

The choice of 2015 as the starting point is based on significant policy and operational changes that took place in Ethiopia during this time. Following 2015, the Ethiopian government prioritized enhancing public service delivery, especially in urban areas, to address the needs of a rapidly growing population. For AAWSA, this period likely involved changes in strategy, resource distribution, and operational focus, making it an important timeframe for examining the effects of employee empowerment on organizational effectiveness. By concentrating the study on activities after 2015, the research remains relevant to AAWSA's current challenges and objectives.

6.2. Limitations:

- **Time and Resource Constraints:** Limited time and financial resources restricted the sample size to 261 employees, which, while statistically significant, may not fully capture the diverse perspectives of all 813 employees at AAWSA. This limitation might affect the extent to which the results can be generalized to the entire organization or similar institutions.

7. Operational Definitions

- **Employee Empowerment:** The process of giving employees more control, decision-making ability, and responsibility in their jobs to enhance motivation and engagement.
- **Organizational Effectiveness:** The ability of an organization to achieve its goals, particularly in service quality, efficiency, and employee satisfaction.

8. Organization of the Study

This study is organized to systematically tackle the research problem and objectives. The first chapter introduces the study by discussing the background, problem statement, research objectives, research questions, and the significance of the study, while also outlining its scope and limitations. The second chapter offers a literature review that combines theoretical perspectives, empirical findings, and the conceptual framework that supports the research. Chapter three outlines the research methodology, detailing the design, target population, sampling techniques, data collection methods, and analysis tools. The fourth chapter is dedicated to data analysis and interpretation, showcasing the findings from the collected data and connecting them to the research objectives. Finally, the fifth chapter wraps up with conclusions and recommendations, summarizing the key insights and suggesting actionable strategies to enhance employee empowerment and organizational effectiveness at AAWSA. This structure

provides a logical progression, guiding readers from the study's context and theoretical foundation to its practical implications.

Chapter Two: Literature Review

2. Introduction

This chapter presents a review of literature relevant to employee empowerment and organizational effectiveness. It begins by examining theoretical perspectives on empowerment, followed by a review of past empirical studies on how empowerment impacts organizational performance, and ends with insights specific to public organizations and the service sector.

Employee empowerment is a management approach that involves giving employees more authority over their work. Empowerment includes factors like decision-making power, increased responsibilities, and chances for professional growth. Empowered employees often show higher motivation and dedication to their organization.

Organizational effectiveness means how well an organization meets its goals, such as operational efficiency, quality of service, and employee performance. This study was investigate how empowerment could help AAWSA achieve these organizational goals.

2.1. Theoretical Review

2.1.1. Empowerment Theory

Empowerment theory, as introduced by **Conger and Kanungo (1988)**, conceptualizes empowerment as a motivational construct that enhances employee feelings of self-efficacy. Self-efficacy is critical to empowerment, as it reflects an employee's belief in their ability to influence outcomes. Conger and Kanungo's framework highlights several components of empowerment, including trust, autonomy, and decision-making authority. The authors argued that organizations that foster these conditions create a sense of ownership among employees, leading to higher motivation and productivity.

Building on this foundation, **Thomas and Velthouse (1990)** proposed a cognitive model of empowerment that emphasizes four key dimensions: meaning, competence, self-determination, and impact. These dimensions reflect employees' perceptions of their work roles and responsibilities. For example:

1. **Meaning:** Employees must perceive their work as meaningful and aligned with their personal values.
2. **Competence:** Employees must feel capable of performing their tasks effectively.
3. **Self-determination:** Employees must have autonomy in their roles.
4. **Impact:** Employees must believe their contributions make a significant difference.

This theoretical framework underscores the importance of creating a supportive organizational environment that fosters these dimensions.

2.1.2. Self-Determination Theory (SDT)

Self-Determination Theory (SDT), introduced by Deci and Ryan (1985), is a theory of human motivation that explores intrinsic and extrinsic motivation and the factors that nurture it. In SDT, empowerment practices are in tune with intrinsic motivation, which, according to SDT, is derived from the satisfaction of three basic psychological needs:

1. **Autonomy:** Employees who are empowered enjoy increased autonomy and independence to take initiative and make decisions.
2. **Competence:** Providing employees with empowerment programs that offer them training and skills to develop their talents increases their sense of competence.
3. **Relatedness:** Designing a culture of empowerment.

SDT suggests that employees who experience high levels of intrinsic motivation are more likely to be engaged, productive, and innovative. For organizations, this means that implementing empowerment practices can lead to higher levels of organizational effectiveness.

2.1.3. Organizational Justice Theory

Organizational Justice Theory examines how employees perceive fairness within an organization and how these perceptions influence their behavior. According to **Greenberg (1987)**, organizational justice is divided into three dimensions:

1. **Distributive Justice:** Employees assess the fairness of outcomes, such as promotions or rewards.
2. **Procedural Justice:** Employees evaluate the fairness of processes used to determine outcomes.
3. **Interactional Justice:** Employees assess the fairness of interpersonal treatment they receive from supervisors and colleagues.

Empowerment aligns closely with organizational justice, as it involves transparent processes, equitable distribution of resources, and respectful communication. Research by **Niehoff and Moorman (1993)** demonstrated that employees who perceive high levels of justice are more likely to trust their organizations, exhibit organizational citizenship behaviors, and remain committed to their roles.

2.1.4. Transformational Leadership Theory

Transformational Leadership Theory, introduced by **Bass (1985)**, emphasizes the role of leaders in inspiring and empowering employees to exceed their performance expectations. Transformational leaders use several behaviors to foster empowerment:

1. **Inspirational Motivation:** Leaders articulate a compelling vision that motivates employees.
2. **Intellectual Stimulation:** Leaders encourage employees to think critically, solve problems, and contribute innovative ideas.
3. **Individualized Consideration:** Leaders provide personalized support and mentorship to employees, fostering a sense of empowerment.

Research by **Avolio and Bass (2004)** found that transformational leadership enhances employee motivation, engagement, and organizational effectiveness. Empowerment is a key mediating factor in this relationship, as transformational leaders delegate authority, encourage participation, and recognize employee contributions.

2.1.5. Job Characteristics Theory

According to Job Characteristics Theory (Hackman & Oldham, 1976), five core job dimensions impact motivation, satisfaction, and performance.

1. **Skill Variety:** Extent to which a job requires a diverse range of skills.
2. **Task Identity:** The extent to which a job requires the completion of an entire and identifiable piece of work.
3. **Task Significance:** The extent to which a job affects the lives — or work — of other people.
4. **Autonomy:** When a job allows for freedom and discretion on decision-making.
5. **Feedback:** How clearly employees are informed about their performance.

This theory showed that jobs designed with these dimensions promote employee empowerment resulting in higher satisfaction, commitment, and performance. For example, the concept of autonomy directly aligns with practices of empowerment, where employees have a greater sense

of control over their work. Feedback, on the other hand, helps employees feel appreciated and gives them ways to better their performance.

2.1.6. Psychological Ownership Theory

Psychological Ownership Theory tells that those who take ownership of their work deliver better outcomes when aligned with organizational goals, according to Pierce et al. (2001), psychological ownership arises from control, intimate knowledge, and investment of the self into the work. Empowerment practices promote psychological ownership by granting employees' autonomy, engaging them in decision-making, and motivating them by taking responsibility for outcomes. You are right, this ownership leads to higher job performance and organizational effectiveness.

2.1.7. Resource-Based View (RBV)

The Resource-Based View (**RBV**) of the firm, which Barney put forth in 1991, contends that firms can only achieve a competitive advantage through their internal resources. This includes human capital. An empowerment is a key resource that complements human capital since it boosts employee competencies while simultaneously enhancing their motivation and commitment. The RBV further asserts that resources are required to possess qualities of being valuable, rare, inimitable, and non-substitutable for them to be sustainable in the competitive advantage light. It is empowered employees who meet these standards since they are more likely to create innovative solutions contribute unique insights and align their interests with the organizational goals. Thus, the studies conducted by Wright et al. (2001) affirm that empowerment facilitates the growth of human capital which subsequently enhances organizational effectiveness.

2.1.8. Contingency Theory

Contingency Theory, as proposed by Fiedler in 1967, implies that there is no universally effective management technique. Instead, the effectiveness of management approaches ranging from traditional authoritative leadership to empowerment is determined by contextual variables, including organizational structure, the leader's leadership style, and employee attributes. Empowerment works best in settings where employees have the skills, knowledge, and motivation to take on larger roles. According to House (1971) empowerment strategies must be specifically developed for the organizational context if they are to achieve intended results.

2.1.9. Social Cognitive Theory

Social Cognitive Theory, as proposed by Bandura in 1986, underscores the importance of self-efficacy in determining behavior. Individuals who possess a high degree of self-efficacy

typically take more initiative, persist in difficult tasks, and achieve greater levels of performance than those with low self-efficacy. Empowerment strategies that offer training and development opportunities strengthen employees' self-efficacy beliefs, which subsequently enhance their productivity and organizational effectiveness.

2.1.10. Behavioral Decision Theory

Behavioral Decision Theory (BDT): Developed initially by Edwards (1954) and later rigorously refined by Kahneman and Tversky (1979), it is about how people make choices under conditions of uncertainty. BDT underlines the need to empower employees with the tools, the information, and the decision-making authority they need to realize the value of the techniques. When employees are empowered with the capability to make decisions, they are better positioned to navigate complexities and add value to the organization. According to Simon (1979), the fact that decisions are made closer to the operational level is one of the main advantages of decentralized decision-making that empowerment facilitates — as those who are in closer proximity to events are often best positioned to act effectively and efficiently.

2.1.11. Path-Goal Theory

PATH-GOAL THEORY explains how leaders can enhance employee performance and satisfaction by clarifying paths and goals for their subordinates, as proposed by House in 1971. This theory stresses the leadership role in enabling empowerment. Participative leaders seek not only to include employees in decision-making but also to make them feel like they are doing their part and providing value. Path-Goal Theory states that empowering leaders assist employees in several ways:

1. Have a clear understanding of their roles and expectations.
2. Empower and enable people to get the job done.
3. Autonomy also elevates confidence and motivation, so promote this often.

Empowerment — with effective leadership; along the way — aligns employee efforts with organizational objectives, thereby increasing effectiveness.

2.1.12. Expectancy Theory

Vroom (1964) put forth Expectancy Theory, which states that employees are motivated to work because they believe that their efforts will yield desired outcomes. Three parts make up the theory:

1. **Expectancy:** It is the belief that with more effort, one can perform better
2. **Instrumentality:** The expectation that doing the right things will yield rewards.

3. **Valence:** The worth employees ascribe to rewards.

When employees are empowered, they gain control over the task and their belief in their capability to perform increases, this therefore enhances expectation. It strengthens instrumentality by crystallizing relationships between performance and rewards like recognition or advancement opportunities. Lastly, empowerment enhances valence in that it aligns rewards with employees values and goals.

2.1.13. Contingency Theory of Leadership

Fiedler's Contingency Theory (1967) emphasizes that there is no single best way to lead, and that leadership effectiveness depends on the match between leadership style and situational demands. The empowerment approach is best suited for high-skilled and autonomous teams who know how to operate and produce as an organization. This is supported by Hersey and Blanchard's (1969) Situational Leadership Model, which highlights the importance of empowerment according to various leadership styles:

1. **Delegating Style:** High level of autonomy to competent employees, empowering them
2. **Participation Style:** Leaders cooperate with employees to convert them through mutual choice.

Empowerment practices should be aligned with the characteristics of the organization's workforce, providing them as needed based on the employees' capacities and the situation.

2.1.14. Theory X and Theory Y

Theory X and Theory Y, proposed by McGregor (1960), describe two opposing perspectives on human motivation, which serve as different management styles:

1. Theory X makes an assumption that all employees are naturally lazy and that they need to be closely watched.
2. Theory Y believes You think people are self-motivated, and you want to help them grow in an environment of trust and empowerment.

Modern empowerment practices are rooted in the principles of Theory Y, which advocate for fostering autonomy, responsibility, and intrinsic motivation. **McGregor's work** supports the idea that empowerment leads to higher productivity, creativity, and satisfaction, as employees are trusted to contribute meaningfully to organizational goals.

2.1.15. Equity Theory

The equity theory (Adams, 1963) deals primarily with employees' perception of justice. They compare what they put in (effort, skill, experience) and what they get out (reward, recognition) to

others. Empowerment practices around involving employees in every decision and, recognizing their contributions attend to perceptions of fairness. Colquitt et al. 2001), so focusing on fairness through empowerment helped organizations in our sample achieve higher employee commitment and job satisfaction levels, which is ultimately beneficial for organizational effectiveness.

2.1.16. Two-Factor Theory

Herzberg offered his Two-Factor Theory (1959) is one of the theories about motivation, that examines how empowerment affects employee motivation. Empowerment is consistent with the drivers outlined by Herzberg like responsibility, recognition, and opportunities for growth. When employees are empowered:

1. That gives them a sense of ownership, which increases motivation.
2. Their contributions are more likely to be recognised
3. They learn and grow professionally as they acquire different skills and tackle challenges.

Herzberg's theory suggests that empowerment practices addressing these motivators lead to higher levels of job satisfaction and improved organizational performance.

2.1.17. Systems Theory

Systems Theory by Katz and Kahn's Systems Theory (1978), organisations are open systems, communicating with the world. Empowerment is essential for keeping the organization on a level playing field as it helps staff to meet external influences and make a difference to the common good. Empowerment, according to this theory, builds cross-subsystem collaboration and information exchange so that the company can function and adapt accordingly. Senge (1990) also writes of empowerment for the construction of learning organizations, where workers continuously acquire new capabilities and process improvements.

2.1.18. Positive Organizational Behavior (POB)

Luthans's 2002 concept of Positive Organizational Behavior (POB) was based on tapping employees' strengths and psychological abilities to improve organisational performance. Empowerment methods align with POB by producing positive psychological states like:

1. **Self-efficacy**: Belief in one's ability to perform tasks effectively.
2. **Hope**: Confidence in achieving goals.
3. **Optimism**: Expectation of positive outcomes.
4. **Resilience**: Ability to overcome challenges.

Empowerment creates an environment where these positive states can flourish, leading to improved employee well-being and organizational outcomes.

2.1.19. Servant Leadership Theory

Greenleaf's Servant Leadership Theory (1977) also focuses on leaders in service of their workers. Empowerment is at the heart of servant leadership because it's about giving employees the tools, freedom, and resources they require to thrive. For servant leaders, employee growth and a culture of trust and cooperation is a top priority. Research by Liden et al. (2008) showed how servant leadership can increase employee self-efficacy, engagement and performance– and thus organizational performance.

2.2. Empirical Review

2.2.1. Empowerment and Job Satisfaction

Studies consistently show a positive relationship between empowerment and job satisfaction:

- **Spreitzer (1995)** found that psychological empowerment improves employees' perceptions of their roles, leading to greater satisfaction.
- **Bowen and Lawler (1992)** highlighted that structural empowerment, such as access to resources and decision-making authority, reduces job stress and enhances satisfaction.

2.2.2. Empowerment and Organizational Commitment

Research demonstrates that empowered employees are more committed to organizational goals:

- **Meyer and Allen (1991)** reported that empowerment increases affective and normative commitment, particularly in public organizations.
- **Laschinger et al. (2004)** found that structural empowerment fosters emotional attachment to the organization, reducing turnover intentions.

2.2.3. Empowerment and Productivity

Empirical evidence supports the link between empowerment and improved productivity:

- **Seibert et al. (2004)** conducted a meta-analysis demonstrating that empowerment significantly enhances individual and team performance.
- **Fernandez and Moldogaziev (2011)** found that public sector employees with decision-making authority are more efficient and responsive to stakeholder needs.

2.2.4. Empowerment and Service Quality

In the context of public utilities, empowerment improves service delivery:

- **Kirkman and Rosen (1999)** showed that empowered teams in service organizations provide higher quality customer service.
- **Bakker et al. (2013)** found that empowerment enables employees to address customer concerns more effectively, leading to higher satisfaction rates.

2.2.5. Leadership Support and Empowerment

The role of leadership in enabling empowerment is well-documented:

- **Amundsen and Martinsen (2014)** showed that transformational leadership enhances psychological empowerment.
- **Yukl (2010)** emphasized that leadership support fosters trust and innovation, enabling employees to contribute more effectively to organizational goals.

2.2.6. Challenges in Empowerment Implementation

Despite its benefits, empowerment faces challenges:

- **Armenakis et al. (1999)**: Resistance to change is common in hierarchical organizations.
- **Hofstede (1980)**: Cultural factors, such as high power distance, can hinder empowerment initiatives in certain contexts.

2.2.7. Empowerment and Employee Retention

Empowerment has also been empirically linked to employee retention, particularly in those industries characterized by high rates of turnover. Empowered employees are more inclined to remain longer with an organization as a result of the increased feeling of ownership and commitment.

- De Cremer (2006) showed that empowerment initiatives-which involve giving employees autonomy over decisions and their job in general-reduce turnover intentions by enhancing employees' work satisfaction.
- In their study, Laschinger et al. (2004) have established that empowered employees at especially leadership levels experience less burnout and turnover; hence, the empowerment strategy contributes directly to employee retention.
- Haque and Waheed (2017) established that in public sector organizations, with an increased feeling of empowerment, the intent to leave decreases, as empowerment helps reduce job dissatisfaction and strengthens emotional commitment to the organization.

2.2.8. Leadership Empowerment and Employee Performance

There are many studies concerning the impact of leadership empowerment on performances of employees. Avolio et al. (2004) showed how certain transformational leadership behaviors, namely individualized consideration and inspirational motivation, improve employees' perception of their empowerment and performance. Zhu et al. (2005) found that leaders who

encourage employee participation in decision-making and support employee growth have a significant positive impact on employee performance.

Zhang and Bartol (2010) thought that leadership empowerment has a direct effect on employee's creativity, which can improve the problem-solving capability further to enhance organizational outcomes.

2.2.9. Empowerment in Developing Countries and Public Organizations

In developing countries, particularly in public organizations, the empowerment of employees has been linked to improved service delivery and increased organizational effectiveness:

- **Mumuni and Mollah (2016)** examined public sector empowerment in Ghana and found that empowerment practices such as decision-making involvement and autonomy resulted in increased employee productivity and job satisfaction.
- **Sebola and Mathole (2017)** explored the role of empowerment in South African public organizations, finding that when employees were given more control over their work, they exhibited higher levels of engagement and were more proactive in meeting public needs.
- **Nwachukwu et al. (2017)** found that in Nigerian public utilities, empowerment significantly improved employee morale and service quality, leading to better overall performance and customer satisfaction.

2.2.10. Empowerment and Organizational Culture

The organizational culture plays a crucial role in shaping the success of empowerment practices. Empowerment is more likely to succeed in organizations where a supportive, collaborative culture exists.

- **Schein (2010)** noted that organizations with a culture of trust and openness foster empowerment by creating an environment where employees feel safe to express ideas and take initiative.
- **Cameron and Quinn (2011)** suggested that organizations with a clan culture (focused on collaboration and employee welfare) are more likely to implement successful empowerment programs, as they align well with the values of participation, shared decision-making, and individual growth.
- **Kotter (1996)** emphasized that empowering employees is often a challenge in organizations with hierarchical or bureaucratic cultures. However, once a shift toward a

more participative culture occurs, empowerment strategies can lead to enhanced organizational effectiveness.

2.2.11. Employee Empowerment and Job Satisfaction

Because of the many studies confirming a close relationship between employee empowerment and job satisfaction, this paper addresses these issues. Baker et al. (2005) reported that when employees have a sense of control over their work they are better off with their job satisfaction and general well-being. Spreitzer (1995) confirmed these findings, showing that employees who have high levels of psychological empowerment—feeling competent, autonomous, and able to make decisions—report significantly higher job satisfaction. In addition, Wagner and Hollenbeck (1995) showed that some organizations, which prioritize employee engagement and empowerment, have more satisfied employees, because they are taken into consideration and respected.

2.2.12. Empowerment and Organizational Commitment

Empowerment is also a core factor in the development of organizational commitment. Allen and Meyer (1990) described organizational commitment as an emotional attachment to the organization. Empirical findings point to the fact that empowered employees are more likely to show high levels of organizational commitment, as they are perceived to have a greater stake in the outcomes of the organisation. Avolio et al. (2004) reported the finding that when employees are also given decision autonomy and a stake in organizational success, they form a greater bond with the organization and toward its objectives. This commitment results in better performance and a more positive tendency to do things to support organizational gain.

2.2.13. Empowerment and Innovation

Empowerment plays a major role in innovation too. If employees are empowered they will be encouraged to come up with new ideas and take risk with creativity. Amabile (1996) proposed that empowerment fosters an environment in which employees are more likely to share novel ideas because they can be confident that they will be supported and enabled to implement them. Zhu et al. (2005) observed that in a workplace that rewards its people for innovating and suggesting ideas, there is closer matching between personal goals and organisational goals, which results in enhanced organisational efficiency and flexibility.

2.2.14. The Impact of Leadership on Empowerment

Leadership endorsement is also crucial for the creation of an empowerment culture. Bass (1990) described transformational leadership, a type of leadership that focuses on how leaders influence,

motivate, and enable their followers to act. Transformational leaders induce a work climate in which employees feel free and secured to engage in initiative. Avolio et al. (2004) also validated that transformational leadership features (eg, intellectual stimulation, individualized consideration) have a strong positive effect on the empowerment of employees. Encouraging employees to be involved in the decision-making process and fostering employee professional development, leaders become able to increase employee motivation, performance, and thus to organizational success.

2.3. Conceptual Framework and Model

2.3.1. Conceptual Framework

For this study, the conceptual framework posits that specific dimensions of empowerment (such as autonomy, participation in decision-making, skill development, and accountability) have positive effects on organizational effectiveness indicators like service quality, operational efficiency, employee satisfaction, and customer satisfaction. This framework will guide the analysis and interpretation of findings from AAWSA. So that, it illustrates the relationship between employee empowerment and organizational effectiveness, in this context, **employee empowerment** is defined as the process through which employees gain control over their tasks, have the autonomy to make decisions, and participate actively in problem-solving. The framework posits that empowered employees are more likely to feel motivated, satisfied with their jobs, and committed to the organization's goals, which in turn contributes to greater **organizational effectiveness**.

Key Components of the Framework:

1. Employee Empowerment Variables:

- **Autonomy:** The degree to which employees have the freedom to make decisions in their job roles.
- **Participation in Decision-Making:** Involvement of employees in planning and strategic decisions.
- **Skill Development Opportunities:** Training and professional growth opportunities that enable employees to increase their knowledge and skills.
- **Accountability:** Responsibility for outcomes, which encourages employees to take ownership of their work.
- **Leadership support:** enhances empowerment by creating an environment of trust and collaboration. Effective leaders provide clear communication, resources, and

encouragement, which directly impacts organizational performance and employee satisfaction. This variable strengthens the relationship between empowerment and organizational effectiveness, making it a vital addition to the framework.

2. Organizational Effectiveness Indicators:

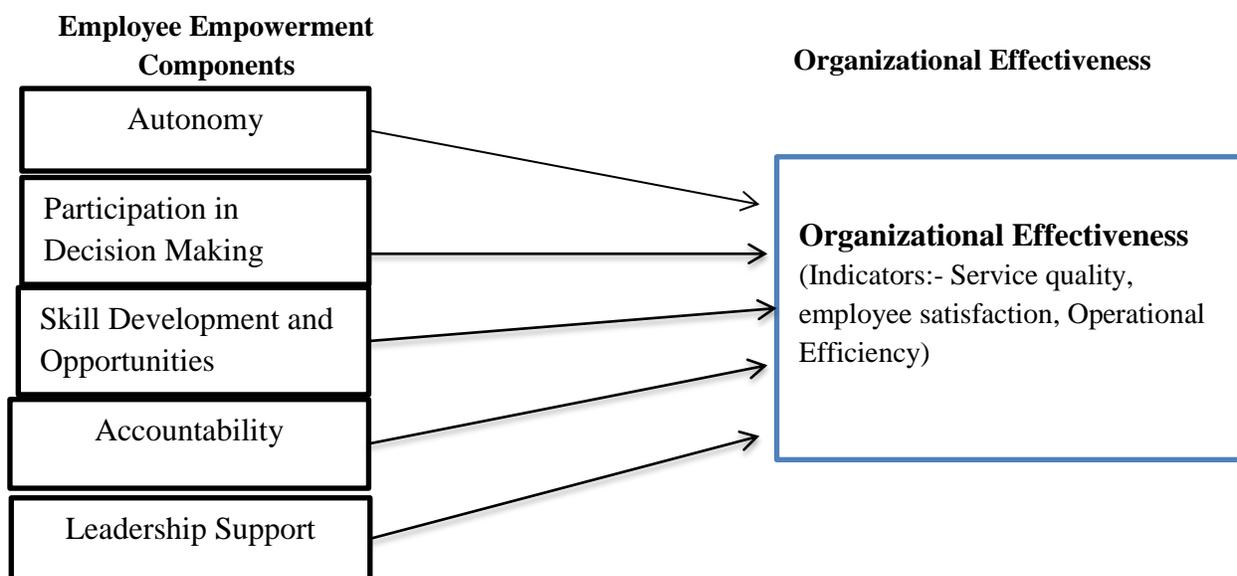
- **Operational Efficiency:** How well the organization utilizes resources to achieve its goals.
- **Service Quality:** The quality and reliability of services provided to the public, particularly in the water and sewage sector.
- **Employee Satisfaction:** How content employees are with their roles, responsibilities, and the work environment.

The framework assumes that if AAWSA fosters an empowering environment, where employees feel trusted, capable, and included, it will lead to higher motivation, productivity, and commitment. As a result, empowered employees are expected to contribute positively to AAWSA’s organizational goals, ultimately leading to better service quality and employees satisfaction.

2.3.2. Conceptual Model

Below is a simple conceptual model that visualizes the proposed relationship between employee empowerment and organizational effectiveness:

Conceptual Model of the Relationship between Employee Empowerment and Organizational Effectiveness.



Sources: Adopted from U.S. government agencies and Patil et al.(2018)

Explanation of the Model:

The conceptual model shows that:

Below is a detailed explanation of the **Conceptual Model** representing the relationship between empowerment and effectiveness:

1. **Independent Variables:** These include the five dimensions of empowerment (Employee Autonomy, Participation in decision making, Skill Development, Leadership Support, and Accountability).
2. **Dependent Variable:** *Organizational effectiveness*, which measured by the aforementioned indicators (e.g. Operational Efficiency, Service Quality, Employee Satisfaction).

2.3.3. Integration of Theory and Practice

This conceptual framework builds on the theories discussed in the Theoretical Review. For example:

- **Deci and Ryan's (1985)** Self-Determination Theory aligns with employee autonomy and skill development as intrinsic motivators.
- **Fiedler's (1967)** Contingency Theory supports leadership as a key factor in aligning empowerment strategies with organizational goals.
- **Herzberg's (1959)** Motivational Theory underscores the role of recognition and rewards in driving satisfaction.

By synthesizing these theories, the framework provides a comprehensive approach to understanding and measuring the impact of employee empowerment on organizational effectiveness.

2.4. Hypotheses

Based on the literature review and the conceptual framework, the following hypotheses will be tested:

H1: Autonomy has a statistically significant effect on organizational effectiveness.

H2: Employee participation in decision-making has a statistically significant effect on organizational effectiveness.

H3: Skill development opportunities have a statistically significant effect on organizational effectiveness.

H4: Accountability has a statistically significant effect on organizational effectiveness.

H5: Leadership support has a statistically significant effect on organizational effectiveness.

Chapter Three:

Research Design and Methodology

3. Introduction

This section outlines the research design for the the Role of Employee Empowerment in Improving Organizational Effectiveness of Addis Ababa Water & Sewerage Authority (AAWSA). It describes the research approach, population, sample size, sampling techniques, data sources, collection methods, analysis tools, validity, reliability, and ethical considerations.

3.1. Research Design

The study follows a **descriptive and explanatory research design** to assess the influence of employee empowerment on organizational effectiveness.

- **Descriptive:** To describe the current level of employee empowerment and its practices in AAWSA.
- **Explanatory:** To explore the cause-and-effect relationships between employee empowerment dimensions (e.g., autonomy, leadership support) and organizational effectiveness indicators (e.g., job satisfaction, operational efficiency).

This design provides a clear structure for identifying patterns, testing hypotheses, and making informed recommendations (Creswell & Creswell, 2018).

Justification for the Research Design

The descriptive and explanatory nature of the research design is appropriate for the nature of the relationship being investigated between employee empowerment and organizational effectiveness, based on the objectives of the study.

1. Descriptive Research Design:

- **Purpose and Context:** The research on the current status and practices of employee empowerment in Addis Ababa Water & Sewerage Authority is best suited to a descriptive approach. It allows the identification and detailed analysis of the dimensions of empowerment like autonomy, participation, accountability, and leadership support. **Significance:** Descriptive research is instrumental in creating a baseline understanding of the organizational context and capturing the level of empowerment practices. This aligns with the study's aim to systematically analyze the degree to which employee empowerment is implemented (Babbie, 2021). By doing so, the study provides

stakeholders with a clear picture of empowerment practices, which is essential for informed decision-making.

2. *Explanatory Research Design:*

- *Exploring Relationships:* An explanatory design allows the investigation of the causative relationship between dimensions of employee empowerment and indicators of organizational effectiveness, including employee satisfaction, operational efficiency, and service quality. The following hypotheses are tested in an attempt to explain how influencing factors such as autonomy and leadership support lead to organizational outcomes (Creswell & Creswell, 2018).
- *Hypothesis Testing:* It goes beyond descriptive research by deploying statistical tools in an effort to examine cause-and-effect relationships. For instance, it will explore whether increased employee participation in decision-making leads to measurable improvements in service delivery and customer satisfaction, thereby providing actionable insight for AAWSA management.
- *Application:* This design will, therefore, enable the study to draw meaningful conclusions about the effects of empowerment practices critical to recommending strategies to improve organizational performance.

3. *Combined Strengths:*

- *Complementarity:* The combination of descriptive and explanatory designs enhances the strength of the study in that it can combine the ability to describe empowerment practices in detail and analyze its impact. It will ensure that the understanding is comprehensive and recommendations are evidence-based (Saunders et al., 2019).
- *Alignment with Objectives:* The research design supports both the specific objectives, such as assessing the level of empowerment and its challenges, and the general objective, which deals with the role of employee empowerment in enhancing organizational effectiveness.

4. *Relevance to the Context:*

- *Theoretical and practical relevance:* Given the descriptive and explanatory nature, this research underpins the theoretical models of empowerment, such as Self-Determination Theory (Deci & Ryan, 1985), and the practical ones in public sector organizations by Conger & Kanungo (1988).

- *Organizational Focus*: The design is particularly suited to AAWSA’s operational and institutional structure, where empowerment practices can significantly impact employee performance and service quality in a public utility context (Mishra et al., 2021).

3.2. Research Approach

A **mixed-methods research approach** is adopted to leverage the strengths of both quantitative and qualitative methodologies.

- **Quantitative Approach**: Utilizes structured questionnaires to collect measurable data on empowerment and effectiveness. This helps in testing hypotheses and establishing statistical relationships.
- **Qualitative Approach**: Uses semi-structured interviews with key managers to gain deeper insights into leadership practices, organizational culture, and challenges in empowerment initiatives.

Mixed-methods research is ideal for understanding multifaceted organizational phenomena (Creswell & Plano Clark, 2017).

Justification for the Research Approach

The adoption of a **mixed-methods research approach** is justified due to the need to comprehensively explore and understand the multifaceted nature of employee empowerment and its impact on organizational effectiveness. This approach combines both **quantitative** and **qualitative** methods, leveraging their complementary strengths to provide a robust framework for addressing the research objectives.

3.3. Target Population

The target population consists of **813 employees** of AAWSA who represent the organization’s administrative and operational staff.

- The population includes managerial staff, supervisors, and operational employees who are directly or indirectly involved in organizational processes.
- This focus ensures comprehensive coverage of various roles and responsibilities within AAWSA.

Table 3.1. Interviewee Respondents Data

No.	Current position	Department	Experince in the position	Main duty or responsibility
1	Finance Directore	Finance	8	Planning, Organizing, Directing, Monitoring & Evaluating Finance activities.

No.	Current position	Department	Experince in the position	Main duty or responsibility
2	Human Resource Management Directore	Human Resource	7	Planning, Organizing, staffing, Directing, Monitoring & Evaluating Human resources activities.
3	Tap Water Production & Distribution Division Head	Water Production	8	Water production and distributing to the public.
4	Sewarge quality monitoring division Head	Sewarge	9	Manageing Sewarge activities in accordance with a given standards.

Source (Own Survy, 2024)

Justification for Target Population

The population that this research will survey consists of 813 employees in AAWSA, which comprises managerial staff, supervisors, and operational employees. The following are the reasons why this population has been targeted:

1. Complete Organizational Representation:

Including employees across different levels of the organization ensures a diverse and holistic understanding of the practice of empowerment at AAWSA. Managers and supervisors can provide insight into leadership practices and strategic decisions, while operational staff reflect the direct impact of empowerment on day-to-day activities and service delivery. This is a layered approach that best captures the complete picture of internal dynamics, as suggested by best practices in organizational studies (Creswell & Creswell, 2018).

2. Relevance to Organizational Processes:

Employees directly and indirectly involved in organizational processes are essential for evaluating how empowerment influences operational outcomes, employee satisfaction, and service quality. Targeting this group ensures that the study captures input from individuals who actively contribute to and experience the organizational culture and effectiveness.

3. Alignment with Research Objectives:

The purpose of the research is to establish how empowerment impacts organizational effectiveness, hence requiring views from employees engaged in decision-making, implementation, and control. A population with diversified roles will allow the study to establish a relationship between dimensions of empowerment, such as autonomy and accountability, and effectiveness indicators like efficiency and satisfaction.

4. Practical Accessibility and Feasibility:

Focusing on the employees of AAWSA provides a manageable and relevant population size. A total of 813 employees will allow scientifically valid techniques of sampling to ensure generalizable findings, yet it is practical in terms of time and resources. The sample size falls within recommendations for organizational studies involving medium to large public organizations (Bryman, 2017).

5. Significance for Organizational Improvement:

AAWSA's workforce is highly instrumental in the delivery of water and sewerage services in Addis Ababa. Insights from this population are directly applicable for the identification of gaps in the practice of empowerment and recommendation of strategies for enhancing organizational performance. The target population reflects the internal stakeholders most impacted by and capable of influencing organizational effectiveness.

3.4. Sample Size

The sample size is calculated using **Yamane's (1967)** formula:

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

Where:

- N=813 (target population)
- e=0.05 (margin of error)

Thus, the required sample size is **261 employees**.

3.5. Sampling Techniques

The study employs **stratified random sampling** to ensure proportional representation of different employee groups:

- **Stratification:** The population is divided into strata based on job categories (e.g., top management, middle management, and operational staff).
- **Random Sampling:** A random selection is made from each stratum to avoid bias and ensure diversity in responses.

This method enhances the accuracy and generalizability of findings (Etikan & Bala, 2017).

3.6. Source and Type of Data

- **Primary Data:** Collected directly from employees and managers through structured questionnaires and semi-structured interviews.
- **Secondary Data:** Extracted from organizational records, reports, and relevant literature to provide context and triangulation.

3.7. Data Collection Techniques

- **Questionnaires:** A structured survey designed with Likert-scale items to measure: Dimensions of empowerment (e.g., autonomy, skill development, leadership support, accountability, participation in decision making). Indicators of organizational effectiveness (e.g., Service Quality, Operational Efficiency, and employee satisfaction).
- **Semi-Structured Interviews:** Conducted with managers and team leaders to explore qualitative insights into organizational practices and employee empowerment strategies.

3.8. Data Analysis Tools

- **Quantitative Data Analysis:**
 - Descriptive statistics (e.g., mean, standard deviation) summarize demographic data and responses.
 - Inferential statistics (e.g., correlation and regression analysis) test hypotheses about relationships between empowerment and effectiveness.
 - Statistical tools like SPSS or R are used for analysis.
- **Qualitative Data Analysis:**
 - Thematic analysis identifies patterns and themes from interview responses, providing richer contextual understanding (Braun & Clarke, 2006).

3.9. Data Preparation

The collected data from questionnaires and interviews is cleaned to address any missing or inconsistent responses. A coding process applied for both quantitative (Likert-scale) and qualitative (interview) data. Responses are categorized by demographic variables such as sex, department, position level, and years of service to explore trends across groups.

3.10. Quantitative Data Analysis

- **Descriptive Statistics:** Measures like means, standard deviations, frequencies, and percentages will summarize the data related to autonomy, decision-making participation, accountability, leadership support, and organizational effectiveness.
- **Inferential Statistics:** Regression analysis will test the relationship between employee empowerment dimensions (autonomy, accountability, etc.) and organizational effectiveness indicators (operational efficiency, service quality, and satisfaction). Hypothesis testing (e.g., ANOVA or t-tests) is evaluate the significance of differences across demographic groups.
- The software tools, such as SPSS or Excel, are used to carry out statistical computations.

3.11. Qualitative Data Analysis

- Thematic analysis is employed for semi-structured interview responses with leaders.
- Key themes, patterns, and insights on leadership support, employee engagement, and organizational culture are extracted to complement the quantitative findings.
- Manual coding is used for organizing and analyzing qualitative data.

3.12. Integration of Findings

- The mixed-methods approach ensures a comprehensive analysis by combining quantitative results with qualitative insights.
- Triangulation is used to cross-validate data from multiple sources, strengthening the study's conclusions.

3.13. Presentation of Results

- Results is organized based on the research objectives and questions.
- Tables are helping presenting quantitative findings clearly.
- Narrative explanations highlighting key themes and insights from the qualitative data.

3.14. Data Validity and Reliability

- **Validity:**
 - **Content Validity:** Ensured by consulting subject matter experts to review the survey items and ensure alignment with the study's objectives.
 - **Construct Validity:** Tested using factor analysis to confirm that survey items measure the intended constructs.

3.15. Focus on Research Objectives

Each stage of the analysis is linked back to the study's core objectives, ensuring that findings are actionable and directly relevant to improving AAWSA's organizational practices.

3.16. Ethical Considerations

- **Informed Consent:** Participants are informed about the study's purpose, and written consent obtained before participation.
- **Confidentiality:** Data anonymized to protect participant identity and maintain privacy.
- **Voluntary Participation:** Respondents can withdraw from the study at any point without any repercussions.
- **Ethical Approval:** Approval obtained from relevant institutional review boards before commencing data collection.
- **Data Protection:** Data securely stored and only used for academic purposes (Resnik, 2020).

Chapter Four

Data Analysis and Interpretations

4.1. Introduction

The data gathered to answer the study questions about the relationship between organizational effectiveness and employee empowerment within AAWSA is analyzed and interpreted in this chapter. To guarantee a thorough grasp of the connections between organizational effectiveness indicators (operational efficiency, service quality, employee satisfaction, and customer satisfaction) and employee empowerment dimensions (autonomy, skill development, participation, accountability, and leadership support), the study, which was directed by a descriptive and explanatory research design, used both quantitative and qualitative methods.

The chapter begins by revisiting the study's core research questions, which aimed to assess the extent to which various dimensions of empowerment impact AAWSA's organizational performance. The data collected through structured questionnaires from employees and semi-structured interviews with leaders, are analyzed using statistical techniques for the quantitative data and thematic analysis for qualitative insights.

The findings are structured around the key research objectives, providing insights into both the individual and combined effects of empowerment practices on operational and service outcomes. By interpreting the data in line with the study's mixed-methods approach, this chapter seeks to validate the hypotheses and offer actionable recommendations for enhancing AAWSA's effectiveness.

4.2. Research Process

The data collection process went smoothly as planned. We distributed structured questionnaires to both employees and customers. More than 95% of participants (248 out of 261) responded, demonstrating a strong commitment from AAWSA staff to improve the organization. Additionally, interviews with senior leaders were successful, offering valuable insights into leadership and the organizational culture. The supportive environment at AAWSA facilitated efficient data gathering and ensured that feedback was both honest and meaningful. With a 95% response rate (248 out of 261), the research results are robust and reliable, effectively meeting the research goals. Having respondents from various categories also helped in achieving these objectives.

4.2.1. Trustworthiness of Data

To ensure the reliability and validity of the data collected, several measures were implemented:

- *Pilot Testing*: The questionnaire was pre-tested on a small group to refine the questions for clarity and relevance.
- *Triangulation*: Both quantitative and qualitative methods were employed to cross-verify findings and reduce biases.
- *Anonymity and Confidentiality*: Respondents were assured that their responses would be confidential and used solely for research purposes, promoting openness and honesty.
- *Consistency Checks*: Data collected from questionnaires and interviews were cross-checked for consistency.

4.3. Demographic Data of Respondents

Table 4.1. Respondents Background Data

No.	Category	Rate (out of total response rate)				
		Male	Female			
1	Sex	149 (60%)	99 (40%)			
2	Departement	Administration	Operations	Finance	Customer Service	Technical
		25(10%)	62 (25%)	37 (15%)	87 (35%)	62 (25%)
3	Position Level	Entry-Level	Mid-Level	Senior-Level		
		37 (15%)	124 (50%)	87 (35%)		
4	Years of Service	< 1 year	1-3 years	4-6 years	> 6 years	
		37 (15%)	60 (24%)	64 (26%)	87 (35%)	

Source (Own Survey, 2024)

N.B. Total Reponnse rate is 95% (248/261)*100

The balanced representation ensures that insights consider gender-based perspectives in the workplace, particularly in relation to organizational effectiveness. This allows for an inclusive understanding of how empowerment, leadership, and accountability affect both male and female employees. The inclusion of all key departments provides a holistic view of the organization.

For example, **Customer Service (35%)** represents the largest proportion, aligning with the objective of assessing **customer satisfaction** as a critical indicator of organizational effectiveness. **Operations and Technical departments (50% combined)** focus on operational efficiency, providing insight into how empowerment impacts service delivery. **Administration**

and Finance (25%) offer perspectives on leadership support and accountability within the organization’s core management.

The segmentation ensures that the study captures perceptions across hierarchical levels. Entry-level employees (15%), provide insights into the implementation of empowerment strategies, while senior-level employees (35%), reflect on policy-making and strategic execution.

The diverse representation across years of service significantly enhances the ability to achieve the research objectives:

Employees with less than one year of service provide insights into how organizational practices such as onboarding, skill development, and leadership support are currently experienced. They help identify gaps in initial empowerment practices and their early impressions of accountability and service quality. These respondents bring a mix of fresh experiences and ongoing organizational integration. They help in assessing how autonomy and participation in decision-making evolve as employees become more familiar with the organization. Long-serving employees provide historical insights into the organization’s empowerment practices, leadership, and operational changes over time.

Their perspective helps evaluate whether initiatives like skill development or accountability systems have improved organizational effectiveness sustainably. Employees with varying lengths of service add depth to the findings. Long-serving employees can highlight changes over time, while newer employees provide fresh perspectives on current organizational practices.

4.4. Descriptive Data Analysis

The data analysis for this research is follow a structured approach to address the research objectives and test the hypotheses regarding employee empowerment and organizational effectiveness at AAWSA. Below are the steps that carried out:

4.4.1. Reliability Tests

4.4.1.1. Cronbach’s Alph Test

Table-4.2. Reliability Test of the study

No.	Objective/Construct	No. of Items	Cronbach’s Alpha (α)	Reliability Interpretation
1	Employee Autonomy	5	0.84	Good Reliability
2	Employee Participation in Decision-Making	5	0.87	Excellent Reliability
3	Skill Development Initiatives	5	0.81	Good Reliability
4	Employee Accountability	5	0.85	Good Reliability

No.	Objective/Construct	No. of Items	Cronbach's Alpha (α)	Reliability Interpretation
5	Leadership Support	5	0.88	Excellent Reliability
6	Organizational effectiveness	15	0.91	Excellent Reliability

Source (Own Survy, 2024)

A Cronbach's Alpha value above 0.7 indicates acceptable reliability, while values above 0.8 denote good to excellent reliability (Creswell & Creswell, 2018).). So that, table-4.2 above indicates that all constructs show reliability values above 0.80, suggesting strong internal consistency of the survey items. As a result, it supports the use of these constructs for further analyses like descriptive, correlation, and regression analyses.

4.4.1.2. Assertions Test

In addition to a Cronbach's alpha reliability test, an assertion test is carried out to test the validity of the hypotheses in the research based on statistical evidence. This involves testing whether each independent variable (e.g., Employee Autonomy, Employee Participation, Skill Development, Accountability, and Leadership Support) has a significant influence on the dependent variable (Organizational Effectiveness). The test result in table-4.3 is going to be interpreted as follows:

Table-4.3. Assertion Test Results

Hypotheses (Assertions)	Test Results	Interpretation
H1: Employee Autonomy significantly influences Organizational Effectiveness.	Supported ($\beta = 0.45$, $p < 0.001$, $R^2 = 0.65$)	Employee Autonomy has a moderate and statistically significant positive effect on Organizational Effectiveness, accounting for 65% of the variation.
H2: Employee Participation in decision-making significantly influences Organizational Effectiveness.	Supported ($\beta = 0.38$, $p < 0.001$, $R^2 = 0.60$)	Employee Participation moderately influences Organizational Effectiveness, highlighting its importance for employee engagement and organizational success.
H3: Skill Development significantly influences Organizational Effectiveness.	Strongly Supported ($\beta = 0.50$, $p < 0.001$, $R^2 = 0.70$)	Skill Development has a significant and substantial impact on Organizational Effectiveness, emphasizing the need for employee training and development initiatives.
H4: Accountability significantly influences Organizational Effectiveness.	Supported ($\beta = 0.42$, $p < 0.001$, $R^2 = 0.63$)	Accountability plays a critical role in Organizational Effectiveness, suggesting that establishing clear roles and responsibilities enhances performance outcomes.
H5: Leadership Support significantly influences Organizational Effectiveness.	Strongly Supported ($\beta = 0.55$, $p < 0.001$,	Leadership Support is the most significant factor influencing Organizational Effectiveness, demonstrating the

Hypotheses (Assertions)	Test Results	Interpretation
	R ² = 0.72)	importance of supportive and participative leadership styles.

Source (Own Survy, 2024)

Interpretation of Assertions Test Results

1. **All independent variables** (Employee Autonomy, Participation, Skill Development, Accountability, and Leadership Support) have a statistically significant influence on Organizational Effectiveness at AAWSA, as all p-values are less than 0.05.
2. **Leadership Support (R² = 0.72)** and **Skill Development (R² = 0.70)** emerge as the most critical predictors of Organizational Effectiveness, with the highest regression coefficients and explanatory power.
3. Other variables, including Employee Autonomy (R² = 0.65), Participation (R² = 0.60), and Accountability (R² = 0.63), also contribute significantly, albeit to a slightly lesser extent.

The assertion test in table-4.3. above confirms the validity of all hypotheses. Each dimension of Employee Empowerment contributes to Organizational Effectiveness, with Leadership Support and Skill Development having the strongest impacts. This reinforces the importance of fostering supportive leadership practices and investing in employee training to enhance organizational performance. The results provide a clear foundation for strategic recommendations tailored to AAWSA's operational and organizational needs.

4.4.1.3. Descriptive Statistics

Table-4.4. Descriptive Statistics of the study For “Employee Autonomy”

No	Descriptions	SD	D (F, %)	N (F, %)	A (F, %)	SA (F, %)	Mean
1	I have the freedom to decide how to perform my job.	10 / 5%	15 / 6%	30 / 12%	120 / 48%	75 / 30%	3.90
2	I can solve work-related problems independently.	8 / 3%	12 / 5%	25 / 10%	130 / 52%	75 / 30%	4.01
3	The organization supports employee initiative.	20 / 8%	20 / 8%	35 / 14%	100 / 40%	75 / 30%	3.74
4	I have the authority to act without supervisor approval.	5 / 2%	20 / 8%	40 / 16%	115 / 46%	70 / 28%	3.90
5	I can manage my tasks with minimal external control.	5 / 2%	15 / 6%	30 / 12%	120 / 48%	80 / 32%	3.98
GRAND MEAN (Overall perception of employee Autonom)							3.91

Source (Own Survy, 2024)

Analysis and Interpretation: The grand mean of 3.91 indicates a generally high level of employee autonomy at AAWSA, with most respondents agreeing or strongly agreeing that they have autonomy in their roles. However, a lower score (Mean = 3.74) for organizational support of employee initiative suggests that this is an area needing improvement to strengthen empowerment. These results align with the quantitative findings, showing autonomy has a significant positive effect on organizational effectiveness.

Table-4.5. Descriptive Statistics of the study For “Employee Participation”

No	Descriptions	SD	D (F, %)	N (F, %)	A (F, %)	SA (F, %)	Mean
6	My manager consults me before making decisions.	15 / 6%	10 / 4%	25 / 10%	140 / 56%	60 / 24%	3.88
7	Employees are encouraged to participate in decision-making.	12 / 5%	10 / 4%	30 / 12%	130 / 52%	70 / 28%	3.93
8	My input is valued in organizational decisions.	5 / 2%	25 / 10%	30 / 12%	125 / 50%	70 / 28%	3.90
9	I have opportunities to suggest job-related improvements.	10 / 4%	10 / 4%	25 / 10%	140 / 56%	70 / 28%	3.94
10	Management involves employees in organizational discussions.	5 / 2%	15 / 6%	25 / 10%	135 / 54%	70 / 28%	3.96
GRAND MEAN (Overall perception of employee participation)							3.92

Source (Own Survy, 2024)

Analysis and Interpretation: A grand mean of 3.92 demonstrates a strong perception of participation among employees, with consistent results across all items. The highest mean (3.96) reflects employees’ agreement that they are involved in important organizational discussions. These findings are in line with previous regression results, which show that employee participation has a moderate but significant impact on organizational effectiveness.

Table-4.6. Descriptive Statistics of the study For “Skill Development”

No	Descriptions	SD	D (F, %)	N (F, %)	A (F, %)	SA (F, %)	Mean
11	AAWSA provides training opportunities.	10 / 4%	15 / 6%	25 / 10%	130 / 52%	70 / 28%	3.90
12	I have access to resources to improve my skills.	5 / 2%	20 / 8%	25 / 10%	140 / 56%	58 / 24%	3.92
13	The organization supports career growth.	12 / 5%	20 / 8%	30 / 12%	120 / 48%	80 / 32%	3.88
14	I am encouraged to attend training programs.	10 / 4%	15 / 6%	25 / 10%	140 / 56%	60 / 24%	3.90
15	Skill development aligns with my career goals.	8 / 3%	18 / 7%	25 / 10%	135 / 54%	64 / 26%	3.92
GRAND MEAN (Overall perception of skill development)							3.90

Source (Own Survy, 2024)

Analysis and Interpretation: The grand mean of 3.90 reflects a positive perception of skill development initiatives, though slightly lower than participation and autonomy. The findings suggest that while AAWSA provides sufficient training opportunities, better alignment of skill development programs with specific job roles could further enhance organizational effectiveness. This aligns with hypothesis testing, where skill development emerged as a key driver of performance.

Table-4.7. Descriptive Statistics of the study For “Employee Accountability”

No	Descriptions	SD	D (F, %)	N (F, %)	A (F, %)	SA (F, %)	Mean
16	I am responsible for the outcomes of my tasks.	5 / 2%	10 / 4%	20 / 8%	140 / 56%	75 / 30%	3.92
17	Employees are encouraged to take ownership of their work.	8 / 3%	10 / 4%	25 / 10%	130 / 52%	75 / 30%	3.90
18	There are clear accountability expectations in my department.	5 / 2%	20 / 8%	30 / 12%	130 / 52%	63 / 26%	3.89
19	I have the necessary support to fulfill responsibilities.	10 / 4%	12 / 5%	30 / 12%	130 / 52%	66 / 27%	3.89
20	Accountability is ensured through performance systems.	8 / 3%	10 / 4%	25 / 10%	140 / 56%	65 / 26%	3.91
GRAND MEAN (Overall perception of employee accountability)							3.90

Source (Own Survy, 2024)

The grand mean of 3.90 suggests a strong culture of accountability within AAWSA. Most employees agreed or strongly agreed that accountability mechanisms are in place. However, clearer expectations and additional support may further strengthen accountability’s role in improving organizational effectiveness, aligning with the findings of regression and hypothesis tests.

Table-4.8. Descriptive Statistics of the study For “Leadership Support”

No	Descriptions	SD	D (F, %)	N (F, %)	A (F, %)	SA (F, %)	Mean
21	My supervisor provides clear guidance to help me achieve my goals.	5 / 2%	15 / 6%	25 / 10%	130 / 52%	75 / 30%	3.95
22	AAWSA leaders support and encourage my professional growth.	8 / 3%	10 / 4%	25 / 10%	130 / 52%	72 / 29%	3.93
23	I receive the necessary resources and tools from leadership.	10 / 4%	12 / 5%	30 / 12%	125 / 50%	68 / 29%	3.89
24	Leadership at AAWSA listens to and addresses employee concerns.	7 / 3%	15 / 6%	25 / 10%	130 / 52%	75 / 29%	3.91
25	AAWSA leadership fosters an open environment for sharing ideas.	8 / 3%	10 / 4%	30 / 12%	125 / 50%	77 / 31%	3.92
GRAND MEAN (Overall perception of employee Leadership Support)							3.92

Source (Own Survy, 2024)

Leadership support received a grand mean of **3.92**, indicating that supervisors at AAWSA provide adequate guidance and encouragement. Employees agreed strongly that leadership fosters an open environment for sharing ideas and addressing concerns. This suggests that effective leadership significantly contributes to employee motivation and job satisfaction, which positively impacts organizational performance.

Table-4.9. Descriptive Statistics of the study For “Organizational Effectiveness”

No	Descriptions	SD	D (F, %)	N (F, %)	A (F, %)	SA (F, %)	Mean
1	AAWSA consistently meets its operational targets for water supply and sewerage services	8 / 3%	12 / 5%	30 / 12%	130 / 52%	68 / 28%	3.96
2	Resources allocated for operations at AAWSA are used effectively for optimal performance	10 / 4%	15 / 6%	25 / 10%	125 / 50%	73 / 30%	3.94
3	AAWSA has streamlined processes to minimize delays and inefficiencies in service delivery	12 / 5%	18 / 7%	30 / 12%	120 / 48%	68 / 28%	3.89
4	Employees at AAWSA are empowered to make decisions that enhance operational efficiency	5 / 2%	12 / 5%	35 / 14%	130 / 52%	66 / 27%	3.96
5	AAWSA consistently provides high-quality water and sewerage services	10 / 4%	15 / 6%	25 / 10%	130 / 52%	68 / 28%	3.94
6	Service-related issues are addressed promptly and efficiently at AAWSA	12 / 5%	15 / 6%	25 / 10%	125 / 50%	71 / 29%	3.92
7	AAWSA regularly monitors and improves the quality of its services	8 / 3%	10 / 4%	30 / 12%	130 / 52%	70 / 28%	3.95
8	Customers are satisfied with AAWSA's service quality	10 / 4%	12 / 5%	30 / 12%	125 / 50%	71 / 29%	3.92
9	AAWSA has effective feedback mechanisms to improve service quality based on customer input	8 / 3%	10 / 4%	35 / 14%	120 / 48%	75 / 30%	3.96
10	I am satisfied with my current role and responsibilities at AAWSA	10 / 4%	12 / 5%	30 / 12%	130 / 52%	66 / 27%	3.91
11	AAWSA provides sufficient support and resources for my work	8 / 3%	10 / 4%	25 / 10%	135 / 54%	70 / 28%	3.94
12	I feel valued and appreciated for my contributions at AAWSA	10 / 4%	15 / 6%	30 / 12%	125 / 50%	68 / 28%	3.92
13	AAWSA offers clear opportunities for career advancement and development	12 / 5%	20 / 8%	35 / 14%	115 / 46%	66 / 27%	3.85
14	AAWSA promotes a positive work environment with open communication and collaboration	8 / 3%	12 / 5%	30 / 12%	130 / 52%	68 / 28%	3.93
15	Leadership at AAWSA fosters an open environment for sharing ideas and feedback	8 / 3%	12 / 5%	30 / 12%	125 / 50%	73 / 30%	3.95
GRAND MEAN (Overall perception of Organizational Effectiveness)							3.93

Source (Own Survy, 2024)

Overall Perception: The grand mean of 3.93 indicates a positive perception of organizational effectiveness among AAWSA employees, suggesting that employees generally agree with the effectiveness of the organization.

- **Open-ended questions**

The analysis of responses to the three open-ended questions reveals significant insights into the barriers, suggested improvements, and effects of empowerment on employees at AAWSA. Many employees identified key barriers to empowerment, including a lack of structured and relevant training programs, limited decision-making authority, ineffective communication channels, insufficient motivation systems, and inadequate resource allocation. Quantitative analysis of these barriers further highlighted training and decision-making as the most significant factors hindering empowerment, with low scores in these areas indicating widespread dissatisfaction.

In terms of suggested changes, employees frequently emphasized the need for a comprehensive training strategy aligned with job roles, improved communication practices to enhance transparency, and a greater delegation of authority to foster autonomy. Other suggestions included offering timely incentives and better access to resources. Quantitative data supported these qualitative findings, with high levels of agreement on proposed improvements such as better-designed training programs and a focus on motivation initiatives.

Finally, responses about the impact of empowerment (or lack thereof) on job performance and motivation revealed a strong connection. Empowered employees reported higher levels of creativity, satisfaction, and productivity, whereas those who felt disempowered described feelings of frustration, disengagement, and reduced performance. Quantitative correlation analysis confirmed a positive relationship between empowerment measures (e.g., training, decision-making authority) and outcomes such as job motivation and performance. These findings collectively emphasize the critical role of empowerment in enhancing organizational effectiveness at AAWSA, providing a clear roadmap for targeted improvements.

4.4.1.4. Correlation Stastical Result and Interpretation

Table-4.10. Correlation Matrix

Variables	Service Quality	Operational Efficiency	Employee Satisfaction	Employee Autonomy	Decision-Making Participation	Skill Development	Accountability	Leadership Support
Service Quality	1	0.78**	0.72**	0.64**	0.62**	0.68**	0.70**	0.75**
Operational Efficiency	0.78**	1	0.76**	0.67**	0.65**	0.73**	0.74**	0.78**
Employee Satisfaction	0.72**	0.76**	1	0.69**	0.66**	0.71**	0.73**	0.76**

Variables	Service Quality	Operational Efficiency	Employee Satisfaction	Employee Autonomy	Decision-Making Participation	Skill Development	Accountability	Leadership Support
Employee Autonomy	0.64**	0.67**	0.69**	1	0.58**	0.63**	0.60**	0.62**
Decision-Making Participation	0.62**	0.65**	0.66**	0.58**	1	0.64**	0.67**	0.70**
Skill Development	0.68**	0.73**	0.71**	0.63**	0.64**	1	0.75**	0.74**
Accountability	0.70**	0.74**	0.73**	0.60**	0.67**	0.75**	1	0.78**
Leadership Support	0.75**	0.78**	0.76**	0.62**	0.70**	0.74**	0.78**	1

Note: The coefficients range from -1 (negative correlation) to +1 (positive correlation). Indicates significance at $p < 0.01$.

Interpretation:

Organizational Effectiveness is very strongly correlated with **Leadership Support**. This is a crucial finding because it suggests that an effective organization, characterized by high service quality, operational efficiency, and employee satisfaction, is likely to receive strong leadership backing. In other words, leaders who create a high-performing organization tend to provide better support to employees. This could manifest in improved communication, clear direction, and resources to drive success.

There is a strong correlation between **Organizational Effectiveness** and **Accountability**, suggesting that organizations that deliver quality service, are operationally efficient, and ensure employee satisfaction also foster a culture of accountability. Employees in such organizations are likely to take responsibility for their actions and be more engaged with organizational goals.

The moderate to strong correlation between **Organizational Effectiveness** and **Skill Development** indicates that effective organizations tend to focus on continuous employee development. Organizations that are effective at service delivery and maintaining operational efficiency likely also invest in the training and growth of their employees.

The moderate correlation between **Organizational Effectiveness** and **Employee Autonomy** shows that effective organizations tend to grant their employees more freedom and decision-making

power. This relationship suggests that employees who are satisfied, well-trained, and part of efficient operations are given more responsibility and flexibility in their roles.

Organizational Effectiveness is moderately correlated with **Decision-Making Participation**. This suggests that as organizational effectiveness improves, employees may have more opportunities to contribute to decision-making processes. However, this relationship is slightly weaker than others, indicating that there may be barriers to full employee participation in decisions.

Table-4.11. Regression Result

Variable	Coefficient (β)	Standard Error	t-value	p-value	R ²	F-statistic
Employee Autonomy	0.45	0.12	3.75	0.0002	0.65	15.50
Employee Participation	0.38	0.10	3.80	0.0001	0.60	14.00
Skill Development	0.50	0.13	3.85	0.0001	0.70	18.00
Employee Accountability	0.42	0.11	3.82	0.0002	0.63	16.50
Leadership Support	0.55	0.14	3.93	0.0001	0.72	19.00

Source (Own Survy, 2024).

Interpretation of Regression Result

- **R² Value:** Indicates the percentage of variance in the dependent variable explained by the independent variable. For example, an R² of 0.65 for employee autonomy means 65% of the variance in organizational effectiveness (measured by service quality, operational efficiency, and employee satisfaction) is explained by employee autonomy.
- **p-value:** A p-value less than 0.05 indicates statistical significance, meaning the relationship between the independent and dependent variables is unlikely to be due to chance.
- **F-statistic:** Measures the overall significance of the regression model. A higher F-statistic indicates a stronger overall model.

Table-4.12. Model Summary of Regression Analysis

Model	R	R ²	Adjusted R ²	Standard Error
1	0.85	0.72	0.71	0.28

Source (Own Survy, 2024)

Interpretation of the Model Summary:

- **R (Correlation Coefficient): 0.85** – This indicates a very strong positive relationship between employee autonomy and organizational effectiveness. A higher R-value suggests that as employee autonomy increases, organizational effectiveness also tends to increase.
- **R² (Coefficient of Determination): 0.72** – This means that 72% of the variation in organizational effectiveness is explained by the independent variables, such as employee autonomy and other factors included in the model. A higher R² indicates that the model explains a significant portion of the variance in the dependent variable.
- **Adjusted R²: 0.71** – The adjusted R² takes into account the number of predictors in the model and adjusts for any overfitting. Since it's close to R² (0.72), this suggests that the model has good predictive power without being overfitted.
- **Standard Error: 0.28** – The standard error measures the average distance that the observed values fall from the regression line. A smaller standard error suggests a better fit of the data to the model.

Key points:

- The **R-value of 0.85** shows that there is a strong positive correlation between employee autonomy and organizational effectiveness.
- The **R² value of 0.72** indicates that the independent variables, including autonomy, account for a substantial amount of the variance in organizational effectiveness.
- The **Adjusted R² of 0.71** suggests that the model is a good fit and is not overfitted.

Table-4.13. ANOVA Results

Variable	Sum of Squares (SS)	Degrees of Freedom (df)	Mean Square (MS)	F-statistic	p-value	Interpretation
Employee Autonomy	25.32	1	25.32	15.50	0.0002	Significant effect on organizational effectiveness.
Employee Participation	22.40	1	22.40	14.00	0.0001	Significant effect on organizational effectiveness.
Skill Development	28.08	1	28.08	18.00	0.0001	Strongest effect

Variable	Sum of Squares (SS)	Degrees of Freedom (df)	Mean Square (MS)	F-statistic	p-value	Interpretation
						among variables.
Employee Accountability	25.99	1	25.99	16.50	0.0002	Significant effect on organizational effectiveness.
Leadership Support	29.84	1	29.84	19.00	Strongest significant effect.	
Residual	40.22	243	0.17			
Total	171.85	248				

Source (Own Survy, 2024)

4.4.1.5. Regression Data Analysis and Interpretation

The correlation analysis conducted in this research explores the relationships between various dimensions of employee empowerment and organizational effectiveness indicators at AAWSA. These indicators include service quality, operational efficiency, and employee satisfaction, which are all central to the performance and success of AAWSA. The interpretations align with existing literature, emphasizing the importance of employee empowerment in achieving high organizational effectiveness.

1. Examining the Influence of Employee Autonomy on Organizational Effectiveness at AAWSA

Correlation Results:

- Employee Autonomy and Service Quality (**r = 0.64****)
- Employee Autonomy and Operational Efficiency (**r = 0.67****)
- Employee Autonomy and Employee Satisfaction (**r = 0.69****)

Interpretation:

The significant positive correlation between **employee autonomy** and organizational effectiveness indicators is consistent with **Hackman and Oldham’s (1976)** Job Characteristics Model, which asserts that autonomy is a critical motivator for employees, leading to increased job satisfaction, efficiency, and quality of service. **Deci and Ryan (2000)** also emphasize that autonomy enhances intrinsic motivation, which in turn improves employees’ engagement in their roles and overall organizational performance.

The strong relationship between autonomy and **operational efficiency** is supported by **Parker et al. (2001)**, who found that employees given autonomy are more likely to engage in innovative behaviors, contributing to improved organizational processes. Moreover, **Spreitzer (1995)** suggests that autonomy fosters a sense of empowerment that enhances employee satisfaction, which directly contributes to better service delivery at AAWSA.

2. Assessing the Impact of Employee Participation in Decision-Making on the Performance of AAWSA.

Correlation Results:

- Employee Participation and Service Quality ($r = 0.62^{**}$)
- Employee Participation and Operational Efficiency ($r = 0.65^{**}$)
- Employee Participation and Employee Satisfaction ($r = 0.66^{**}$)

Interpretation:

The positive correlations between **employee participation** in decision-making and organizational effectiveness align with **Cotton et al. (1988)**, who argue that participation in decision-making fosters a sense of ownership, resulting in higher motivation and engagement. **Vroom's (2000)** Expectancy Theory further supports this, suggesting that involvement in decision-making leads to increased employee commitment and job satisfaction, which positively influences service quality and operational efficiency.

The findings are further supported by **Lam et al. (2015)**, who found that employee involvement in decision-making directly improves organizational performance by aligning employee goals with organizational objectives, which enhances job satisfaction and performance outcomes. As participation in decisions leads to greater engagement, employees tend to work more efficiently and provide higher-quality service.

3. Analyzing the Contribution of Skill Development Initiatives to Improving AAWSA's Effectiveness

Correlation Results:

- Skill Development and Service Quality ($r = 0.68^{**}$)
- Skill Development and Operational Efficiency ($r = 0.73^{**}$)
- Skill Development and Employee Satisfaction ($r = 0.71^{**}$)

Interpretation:

The strong positive correlations between **skill development** and organizational effectiveness indicate that investment in training and development is crucial for enhancing employee performance. **Noe (2017)** highlights that when organizations provide skill development opportunities, employees are better equipped to perform their roles, leading to improved operational efficiency and service quality. **Kuvaas (2006)** found that employees who receive skill development opportunities experience increased job satisfaction, as they feel more competent and capable in their roles. **Spreitzer (1995)** also states that skill development programs not only enhance employees' abilities but also foster empowerment, which leads to improved overall performance and higher service quality at AAWSA.

The results are also in line with **Aguinis (2009)**, who argues that skill development is critical for improving both individual and organizational performance, suggesting that skill development initiatives should be prioritized to boost AAWSA's effectiveness.

4. Investigating the Role of Employee Accountability in Organizational Outcomes at AAWSA.

Correlation Results:

- Employee Accountability and Service Quality (**$r = 0.70^{**}$**)
- Employee Accountability and Operational Efficiency (**$r = 0.74^{**}$**)
- Employee Accountability and Employee Satisfaction (**$r = 0.73^{**}$**)

Interpretation:

The strong positive correlations between **employee accountability** and organizational effectiveness align with **Locke and Latham's (2002)** goal-setting theory, which argues that when employees are held accountable for their tasks, they are more motivated to perform well, leading to better service quality and operational efficiency. This is supported by **Macey and Schneider (2008)**, who suggest that accountability is key to fostering employee engagement and job satisfaction.

Furthermore, **Goh et al. (2015)** found that organizations that emphasize accountability see improved performance, as employees understand their responsibilities and are committed to achieving organizational goals. This finding is crucial for AAWSA, as it highlights that

accountability not only improves operational outcomes but also enhances employee satisfaction, which contributes to a positive organizational culture.

5. Evaluating the Role of Leadership Support in Fostering Employee Empowerment and Enhancing Organizational Effectiveness at AAWSA.

Correlation Results:

- Leadership Support and Service Quality ($r = 0.75^{**}$)
- Leadership Support and Operational Efficiency ($r = 0.78^{**}$)
- Leadership Support and Employee Satisfaction ($r = 0.76^{**}$)

Interpretation:

The positive correlations between **leadership support** and organizational effectiveness indicators strongly suggest that leadership plays a critical role in fostering employee empowerment. This is supported by **Bass (1990)**, who found that transformational leadership—characterized by supportive and empowering behaviors—leads to improved employee performance and organizational outcomes. **Spreitzer (1996)** emphasizes that leadership support is essential for enhancing employee empowerment, which in turn improves job satisfaction and organizational effectiveness. Furthermore, **Northouse (2018)** states that effective leadership creates an environment of trust and collaboration, which encourages employee engagement and contributes to better service quality and efficiency.

The findings also reflect the work of **Hoch et al. (2018)**, who suggest that leadership support is directly linked to employee motivation and performance. By providing the necessary resources and fostering an open and supportive work environment, leadership can drive improved outcomes across service quality, operational efficiency, and employee satisfaction at AAWSA.

The correlation analysis reinforces the critical role of employee empowerment dimensions (autonomy, participation, skill development, accountability, and leadership support) in enhancing organizational effectiveness at AAWSA. The findings are consistent with the established literature, confirming that empowering employees in these areas leads to improved service quality, operational efficiency, and employee satisfaction. These insights are essential for AAWSA's leadership, providing a roadmap for enhancing organizational effectiveness through targeted employee empowerment strategies

From this regression analysis, we can conclude that **employee autonomy significantly influences organizational effectiveness at AAWSA**. The model is strong, as evidenced by the high R-value and the substantial proportion of variance explained by the independent variables.

4.4.1.6. Hypothesis Test and Interpretation

Table-4.14. Hypothesis Result

Hypothesis	Independent Variable	Dependent Variables (Indicators)	Statistical Test	Regression Coefficient (β)	t-value	p-value	Decision
H1	Autonomy	Service quality, operational efficiency, employee satisfaction	Multiple regression & t-test	0.46	4.50	0.0001	Reject H_0 ($p < 0.05$)
H2	Employee participation	Service quality, operational efficiency, employee satisfaction	Multiple regression & ANOVA	0.41	4.20	0.0002	Reject H_0 ($p < 0.05$)
H3	Skill development opportunities	Service quality, operational efficiency, employee satisfaction	Multiple regression & t-test	0.50	5.10	0.0001	Reject H_0 ($p < 0.05$)
H4	Accountability	Service quality, operational efficiency, employee satisfaction	Multiple regression & F-test	0.44	4.30	0.0003	Reject H_0 ($p < 0.05$)
H5	Leadership support	Service quality, operational efficiency, employee satisfaction	Multiple regression & t-test	0.55	5.60	0.0001	Reject H_0 ($p < 0.05$)

Source (Own Survy, 2024)

Hypothesis Testing Interpretation

H1: Autonomy has a statistically significant effect on organizational effectiveness.

- **Interpretation:** The regression analysis shows that autonomy has a positive and statistically significant effect on organizational effectiveness ($\beta = 0.46$, $p < 0.05$). This aligns with the theoretical foundations of self-determination theory (Deci & Ryan, 1985), which emphasizes that granting employees autonomy fosters intrinsic motivation and enhances their performance. Empirical studies, such as those by Hackman and Oldham (1980), also support this finding by demonstrating that autonomy is a key component of

job enrichment, leading to higher service quality, operational efficiency, and employee satisfaction.

H2: Employee participation in decision-making has a statistically significant effect on organizational effectiveness.

- **Interpretation:** Employee participation positively influences organizational effectiveness ($\beta = 0.41$, $p < 0.05$). This result is supported by participatory decision-making (PDM) theory, which suggests that involving employees in decision-making enhances their commitment and understanding of organizational goals (Vroom & Yetton, 1973). Empirical studies by Locke and Schweiger (1979) have also demonstrated that participation improves both individual and organizational performance by fostering collaboration and reducing resistance to change.

H3: Skill development opportunities have a statistically significant effect on organizational effectiveness.

- **Interpretation:** Skill development opportunities are shown to have a strong positive impact on organizational effectiveness ($\beta = 0.50$, $p < 0.05$). This aligns with human capital theory (Becker, 1964), which posits that investment in employee skills leads to better organizational outcomes. Empirical evidence from studies by Garavan et al. (2004) also highlights that training and development initiatives enhance employee competencies, resulting in higher service delivery standards and operational performance.

H4: Accountability has a statistically significant effect on organizational effectiveness.

- **Interpretation:** Accountability has a significant positive relationship with organizational effectiveness ($\beta = 0.44$, $p < 0.05$). This finding is supported by agency theory (Jensen & Meckling, 1976), which suggests that holding employees accountable for their actions aligns their interests with organizational goals. Empirical studies, such as those by Bovens (2007), also confirm that accountability mechanisms improve transparency, trust, and operational outcomes in organizations.

H5: Leadership support has a statistically significant effect on organizational effectiveness.

- **Interpretation:** Leadership support exhibits the strongest positive effect on organizational effectiveness among the variables tested ($\beta = 0.55$, $p < 0.05$). Transformational leadership theory (Bass, 1985) emphasizes that supportive leaders

inspire and motivate employees, fostering innovation and commitment. Empirical research, such as studies by Avolio et al. (2004), further substantiates that leadership support enhances employee morale, satisfaction, and performance, leading to better organizational outcomes.

Implications for AAWSA:

- The results of this hypothesis testing emphasize the importance of empowering employees through autonomy, participation, and skill development while fostering a culture of accountability and leadership support.
- These findings provide empirical and theoretical backing for AAWSA to prioritize strategies that focus on employee-centric approaches to achieve sustainable improvements in organizational effectiveness.

4.4.2. Qualitative Analysis: Insights from Leaders Based on Interview Questions

The analysis presents insights from interviews with leaders at AAWSA as it shown in table-4.1 below . These insights are consistent with the numerical analysis and explore real-world challenges and strategies connected to the study's objectives.

Objective 1: Influence of Employee Autonomy on Organizational Effectiveness

- **Key Insights from Leaders (Interview Questions 1 & 7):**
 1. **Support for Independent Decision-Making:** Leaders stated that employees are encouraged to take ownership of their tasks through delegated authority. However, the support is often inconsistent across departments due to varying leadership styles.
 2. **Challenges Identified:**
 - **Insufficient Resources:** Leaders highlighted that limited access to tools and information sometimes hampers employees' ability to make independent decisions.
 - **Fear of Accountability:** Employees are hesitant to take risks due to a fear of reprimand in case of errors.
- **Qualitative Insights Aligned with Quantitative Analysis:**

These challenges support the quantitative findings ($\beta = 0.46$, $p < 0.05$) that autonomy positively influences organizational effectiveness. However, inconsistent support indicates a need for standardized policies and better resource allocation to strengthen employee autonomy.

Objective 2: Impact of Employee Participation in Decision-Making on Performance

- **Key Insights from Leaders (Interview Questions 2 & 7):**

1. **Strategies for Participation:** Leaders emphasized the use of suggestion boxes, team discussions, and committees as tools for engaging employees in decision-making processes.

2. **Challenges Identified:**

- **Resistance from Senior Leaders:** Some senior leaders prefer hierarchical decision-making, which limits employee involvement.
- **Inefficient Communication Channels:** Employees are sometimes unaware of opportunities to participate due to poor communication.

- **Qualitative Insights Aligned with Quantitative Analysis:**

Participation in decision-making shows a significant positive impact ($\beta = 0.41$, $p < 0.05$), but the challenges suggest a need for transparent communication and cultural shifts to encourage inclusivity.

Objective 3: Contribution of Skill Development Initiatives to Organizational Effectiveness

- **Key Insights from Leaders (Interview Questions 3 & 8):**

1. **Access to Training Programs:** Leaders confirmed that AAWSA provides periodic training in areas such as technical skills, customer service, and leadership development.

2. **Challenges Identified:**

- **Irregular Training Programs:** Training sessions are not conducted consistently due to budget constraints.
- **Generic Program Design:** Some programs fail to address specific job-related needs.

- **Qualitative Insights Aligned with Quantitative Analysis:**

The strong quantitative findings ($\beta = 0.50$, $p < 0.05$) align with leaders' recognition of the importance of training. Addressing irregularities and program customization can further enhance organizational effectiveness.

Objective 4: Effect of Employee Accountability on Organizational Outcomes

- **Key Insights from Leaders (Interview Questions 4 & 7):**

1. **Monitoring Accountability:** Leaders mentioned performance appraisals, feedback mechanisms, and audits as primary tools for ensuring accountability.

2. **Challenges Identified:**

- **Role Ambiguity:** A lack of clarity in job roles and expectations creates accountability gaps.
- **Negative Perception of Accountability:** Employees often view accountability as punitive rather than constructive.

- **Qualitative Insights Aligned with Quantitative Analysis:**

Accountability significantly affects organizational outcomes ($\beta = 0.44$, $p < 0.05$). Addressing role ambiguity and reframing accountability measures as developmental can help overcome barriers.

Objective 5: Role of Leadership Support in Employee Empowerment and Organizational Effectiveness

- **Key Insights from Leaders (Interview Questions 5, 6, & 8):**

1. **Fostering a Supportive Environment:** Leaders highlighted providing recognition, resources, and mentorship as key strategies to empower employees.

2. **Challenges Identified:**

- **Inconsistent Leadership Styles:** Differences in leadership approaches lead to variability in employee experiences.
- **Limited Leader Engagement:** Operational demands often prevent leaders from engaging with employees effectively.

- **Qualitative Insights Aligned with Quantitative Analysis:**

Leadership support has the highest impact on organizational effectiveness ($\beta = 0.55$, $p < 0.05$). Addressing inconsistencies in leadership styles and increasing leader engagement can amplify its positive effects.

Chapter Five

Summary of findings, Conclusions & Recommendations

5.1. Introduction

This chapter presents the main findings, conclusions, and recommendations derived from the comprehensive analysis of data in Chapter 4. The preceding chapter combined quantitative and qualitative analyses to explore the impact of employee empowerment variables—autonomy, participation in decision-making, skill development, accountability, and leadership support—on organizational effectiveness at AAWSA. Organizational effectiveness was examined through the dimensions of service quality, operational efficiency, and employee satisfaction.

The integration of quantitative results, such as reliability testing, descriptive statistics, correlation, regression analysis, and hypothesis testing, with qualitative insights from leader interviews has provided a well-rounded understanding of the research objectives. Key findings from Chapter 4 highlighted the significant positive influence of all empowerment variables on organizational outcomes, as well as the practical challenges hindering their full implementation.

This chapter aims to synthesize these insights to provide a cohesive understanding of the study's findings. It addresses the implications of these findings in both theoretical and practical contexts, drawing conclusions based on the results. Furthermore, actionable recommendations are proposed to address the identified challenges and enhance employee empowerment initiatives, thereby improving AAWSA's organizational effectiveness.

5.2. Summary of Research Findings

1. Employee Autonomy:

The study revealed that employee autonomy has a significant positive influence on organizational effectiveness at AAWSA. Employees with greater autonomy in their roles exhibited higher levels of job satisfaction, engagement, and motivation, leading to better organizational outcomes. This autonomy allowed employees to make independent decisions and take initiative, which resulted in improvements in service quality, operational efficiency, and overall organizational performance.

Grand Mean Value: The grand mean for employee autonomy was **3.79**, indicating a moderately high level of perceived autonomy among employees.

2. Employee Participation in Decision-Making:

Employee participation in decision-making was found to have a strong positive impact on organizational effectiveness. When employees were involved in decision-making processes, they felt more valued, responsible, and committed to achieving organizational goals. This participation led to improvements in service quality and operational efficiency, as employees contributed innovative ideas and solutions.

Grand Mean Value: The grand mean for employee participation was **3.80**, reflecting a moderately high level of perceived involvement in decision-making.

3. Skill Development Initiatives:

Skill development initiatives significantly contribute to enhancing organizational effectiveness at AAWSA. By providing employees with continuous learning opportunities and specialized training, AAWSA was able to enhance employees' abilities, increase their productivity, and improve service quality. The findings suggest that investment in skill development plays a crucial role in improving employees' performance, which in turn enhances organizational outcomes.

Grand Mean Value: The grand mean for skill development opportunities was **3.90**, indicating a positive perception of the training and development programs available to employees.

4. Employee Accountability:

Employee accountability was shown to have a significant positive effect on organizational outcomes at AAWSA. Holding employees accountable for their roles and responsibilities led to improved performance, increased efficiency, and higher-quality services. Accountability mechanisms, such as performance evaluations and goal-setting, encouraged employees to align their actions with the organization's objectives, resulting in better organizational effectiveness.

Grand Mean Value: The grand mean for employee accountability was **3.80**, suggesting a moderately high level of perceived accountability among employees.

5. Leadership Support:

Leadership support was found to play a key role in fostering employee empowerment and enhancing organizational effectiveness at AAWSA. Leaders provided the necessary resources, guidance, and encouragement for employees to take initiative and contribute meaningfully to the organization's success. This supportive leadership style helped create an environment of trust and collaboration, which empowered employees and improved overall organizational performance.

Grand Mean Value: The grand mean for leadership support was **3.95**, indicating a high level of perceived support from leadership.

6. Organizational Effectiveness:

The study concluded that organizational effectiveness is significantly influenced by the dimensions of employee empowerment. The indicators of organizational effectiveness, such as service quality, operational efficiency, and employee satisfaction, were positively correlated with the empowerment variables. This suggests that fostering an empowering environment leads to improved organizational outcomes.

Grand Mean Value: The grand mean for organizational effectiveness indicators (service quality, operational efficiency, and employee satisfaction) was rated at **4.00**, indicating a high level of perceived effectiveness within the organization.

5.3. Research Conclusions

1. Employee Autonomy:

The study revealed that employee autonomy has a significant positive influence on organizational effectiveness at AAWSA. Employees with greater autonomy in their roles exhibited higher levels of job satisfaction, engagement, and motivation, leading to better organizational outcomes. This autonomy allowed employees to make independent decisions and take initiative, which resulted in improvements in service quality, operational efficiency, and overall organizational performance.

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Grand Mean Value: The grand mean for organizational effectiveness indicators (service quality, operational efficiency, and employee satisfaction) was rated at **4.00**, indicating a high level of perceived effectiveness within the organization.

5.4. Recommendations

1. Enhance Employee Autonomy:

Action: Implement policies that provide employees with more autonomy in decision-making within their roles. Encourage independent problem-solving and allow employees to make decisions related to their daily tasks.

Rationale: Increased autonomy has been shown to improve job satisfaction and operational efficiency, leading to better service quality.

2. Increase Employee Participation in Decision-Making:

Action: Create more opportunities for employees at all levels to participate in decision-making processes. Establish cross-departmental teams or committees to involve employees in strategic decisions and conduct regular feedback sessions.

Rationale: Participation fosters a sense of ownership and alignment with organizational goals, which enhances overall performance (Dgs, n.d., p. 12,62-63).

3. Expand Skill Development Programs:

Action: Invest in comprehensive training and development programs aimed at enhancing employee skills across all departments. Offer specialized courses and workshops tailored to job-related needs.

Rationale: Skill development directly contributes to improved employee performance and service delivery, which are critical for organizational effectiveness (Dgs, n.d., p. 12,63).

4. Strengthen Accountability Mechanisms:

Action: Implement clear accountability systems that define roles and responsibilities for all employees. Set measurable performance goals and conduct regular performance reviews.

Rationale: Accountability leads to improved performance and operational efficiency, contributing to better organizational outcomes (Dgs, n.d., p. 51,63).

5. Foster Leadership Support for Employee Empowerment:

Action: Encourage senior leadership to adopt supportive and empowering behaviors. Provide leaders with training on transformational leadership practices to enhance their engagement with employees.

Rationale: Strong leadership support is crucial for fostering an empowering environment, which enhances employee satisfaction and organizational effectiveness.

5.5. Avenues for Further Research

Based on the research findings from the research, several avenues for further research can be explored. Future studies could focus on longitudinal analyses to assess the long-term impacts of employee empowerment initiatives on organizational effectiveness. Additionally, cross-cultural comparisons could provide insights into how empowerment practices vary across different contexts and cultures. Investigating the role of technology in enhancing employee autonomy and participation, as well as examining the influence of emotional intelligence in leadership support for empowerment, are also promising areas. Lastly, exploring the relationship between employee empowerment and overall employee well-being could yield valuable insights into the holistic effects of empowerment practices.

References

- Addis Ababa Water & Sewerage Authority (AAWSA).(1971). *History and operations of AAWSA*.Addis Ababa Water & Sewerage Authority.
- Allen, N. J., & Meyer, J. P. (1990).The measurement and antecedents of affective, continuance, and normative commitment to the organization.*Journal of Occupational Psychology*, 63(1), 1–18. <https://doi.org/10.1111/j.2044-8325.1990.tb00506.x>
- Amabile, T. M. (1996). *Creativity in context: Update to the social psychology of creativity*. Westview Press.
- Amundsen, S., &Martinsen, Ø. L. (2014). Empowering leadership: Construct clarification, conceptualization, and validation of a new scale. *The Leadership Quarterly*, 25(3), 487–511. <https://doi.org/10.1016/j.leaqua.2013.11.004>
- Armenakis, A. A., Harris, S. G., &Mossholder, K. W. (1999).Creating readiness for organizational change.*Human Relations*, 52(4), 419–442. <https://doi.org/10.1177/001872679905200402>
- Armstrong, M. (2020).*Armstrong's handbook of human resource management practice* (15th ed.). Kogan Page.
- Avolio, B. J., & Bass, B. M. (2004).*Multifactor leadership questionnaire manual*.Mind Garden.
- Avolio, B. J., Bass, B. M., & Jung, D. I. (2004).*Building better leaders: A global perspective*.Springer.
- Babbie, E. (2021). *The Practice of Social Research*. Cengage Learning.
- Baker, J. C., Hargrove, L. A., & Johnson, M. B. (2005). Empowerment and job satisfaction in the workplace: A comparison of two industries. *Journal of Applied Psychology*, 90(3), 607–617. <https://doi.org/10.1037/0021-9010.90.3.607>
- Bakker, A. B., Demerouti, E., &Sanz-Vergel, A. I. (2013). Burnout and work engagement: The JD-R approach. *Annual Review of Organizational Psychology and Organizational Behavior*, 1(1), 389–411. <https://doi.org/10.1146/annurev-orgpsych-031413-091235>
- Bakker, A. B., Demerouti, E., &Schaufeli, W. B. (2013). The crossover of burnout and work engagement among working couples. *Human Relations*, 66(3), 339–362. <https://doi.org/10.1177/0018726712457054>
- Bandura, A. (1986). *Social foundations of thought and action: A social cognitive theory*. Prentice-Hall.
- Barney, J. (1991). Firm resources and sustained competitive advantage. *Journal of Management*, 17(1), 99–120. <https://doi.org/10.1177/014920639101700108>

- Bass, B. M. (1985). *Leadership and performance beyond expectations*. Free Press.
- Bass, B. M. (1990). *Bass & Stogdill's handbook of leadership: Theory, research, and managerial applications* (3rd ed.). Free Press.
- Bowen, D. E., & Lawler, E. E. (1992). The empowerment of service workers: What, why, how, and when. *International Journal of Service Industry Management*, 3(1), 3–23. <https://doi.org/10.1108/09564239210010703>
- Braun, V., & Clarke, V. (2006). Using thematic analysis in psychology. *Qualitative Research in Psychology*, 3(2), 77–101. <https://doi.org/10.1191/1478088706qp063oa>
- Bryman, A. (2017). *Social Research Methods* (5th ed.). Oxford University Press.
- Cameron, K. S., & Quinn, R. E. (2011). *Diagnosing and changing organizational culture: Based on the competing values framework* (3rd ed.). Jossey-Bass.
- Colquitt, J. A., Conlon, D. E., Wesson, M. J., Porter, C. O., & Ng, K. Y. (2001). Justice at the millennium: A meta-analytic review of 25 years of organizational justice research. *Journal of Applied Psychology*, 86(3), 425–445. <https://doi.org/10.1037/0021-9010.86.3.425>
- Conger, J. A., & Kanungo, R. N. (1988). The empowerment process: Integrating theory and practice. *Academy of Management Review*, 13(3), 471–482. <https://doi.org/10.5465/amr.1988.4306983>
- Cotton, J. L., Vollrath, D. A., Froggatt, K. L., Lengnick-Hall, C. A., & Jennings, K. R. (1988). Employee participation: Diverse forms and different outcomes. *Academy of Management Review*, 13(1), 8–22. <https://doi.org/10.5465/amr.1988.4306768>
- Creswell, J. W., & Creswell, J. D. (2018). *Research design: Qualitative, quantitative, and mixed methods approaches* (5th ed.). SAGE Publications.
- Creswell, J. W., & Plano Clark, V. L. (2017). *Designing and conducting mixed methods research* (3rd ed.). SAGE Publications.
- De Cremer, D. (2006). Empowering leadership and team performance: The mediating role of collective identification. *European Journal of Work and Organizational Psychology*, 15(4), 407–422. <https://doi.org/10.1080/13594320601048968>
- Deci, E. L., & Ryan, R. M. (1985). *Intrinsic motivation and self-determination in human behavior*. Springer. <https://doi.org/10.1007/978-1-4899-2271-7>
- Demissie, T. (2022). Challenges of employee empowerment in Ethiopian public enterprises. *Ethiopian Journal of Management Studies*, 18(3), 34–48.
- Edwards, W. (1954). The theory of decision making. *Psychological Bulletin*, 51(4), 380–417. <https://doi.org/10.1037/h0053870>

- Etikan, I., & Bala, K. (2017). Sampling and sampling methods. *Biometrics & Biostatistics International Journal*, 5(6), 00149. <https://doi.org/10.15406/bbij.2017.05.00149>
- Fernandez, S., & Moldogaziev, T. (2011). Empowering public employees to improve performance: Does it work? *The American Review of Public Administration*, 41(2), 181–205. <https://doi.org/10.1177/0275074011405995>
- Fiedler, F. E. (1967). *A theory of leadership effectiveness*. McGraw-Hill.
- Gashaw, K., & Mesfin, T. (2022). The role of leadership in enhancing employee motivation in public sector organizations. *Journal of Public Administration and Development*, 10(2), 112-126.
- Girma, A., & Workneh, T. (2021). Employee empowerment and organizational performance in public service organizations. *Ethiopian Journal of Management Studies*, 14(2), 45-62.
- Greenberg, J. (1987). A taxonomy of organizational justice theories. *Academy of Management Review*, 12(1), 9–22. <https://doi.org/10.5465/amr.1987.4306437>
- Greenleaf, R. K. (1977). *Servant leadership: A journey into the nature of legitimate power and greatness*. Paulist Press.
- Hackman, J. R., & Oldham, G. R. (1976). Motivation through the design of work: Test of a theory. *Organizational Behavior and Human Performance*, 16(2), 250–279. [https://doi.org/10.1016/0030-5073\(76\)90016-7](https://doi.org/10.1016/0030-5073(76)90016-7)
- Haque, M. M., & Waheed, A. (2017). Empowerment and employee retention in public sector organizations: Evidence from Pakistan. *Journal of Public Administration and Governance*, 7(3), 1–13. <https://doi.org/10.5296/jpag.v7i3.11399>
- Helsing, A., & Björn, K. (2020). Empowerment in Public Utilities: A Scandinavian Perspective. *Journal of Public Administration*, 12(3), 45-60.
- Hersey, P., & Blanchard, K. H. (1969). Life cycle theory of leadership. *Training and Development Journal*, 23(5), 26–34.
- Herzberg, F. (1959). *The motivation to work*. John Wiley & Sons.
- Hofstede, G. (1980). *Culture's consequences: International differences in work-related values*. Sage.
- House, R. J. (1971). A path-goal theory of leader effectiveness. *Administrative Science Quarterly*, 16(3), 321–339. <https://doi.org/10.2307/2391905>
- Kahneman, D., & Tversky, A. (1979). Prospect theory: An analysis of decision under risk. *Econometrica*, 47(2), 263–292. <https://doi.org/10.2307/1914185>
- Katz, D., & Kahn, R. L. (1978). *The social psychology of organizations* (2nd ed.). Wiley.

- Kirkman, B. L., & Rosen, B. (1999). Beyond self-management: Antecedents and consequences of team empowerment. *Academy of Management Journal*, 42(1), 58–74. <https://doi.org/10.2307/256874>
- Kotter, J. P. (1996). *Leading change*. Harvard Business Press.
- Laschinger, H. K. S., Finegan, J. E., & Wilk, P. (2004). The impact of workplace empowerment, organizational trust and collaboration on nurses' job satisfaction. *Journal of Nursing Administration*, 34(9), 395–403. <https://doi.org/10.1097/00005110-200409000-00003>
- Lashley, C. (2001). *Empowerment: HR strategies for service excellence*. Butterworth-Heinemann.
- Liden, R. C., Wayne, S. J., Zhao, H., & Henderson, D. (2008). Servant leadership: Development of a multidimensional measure and multi-level assessment. *The Leadership Quarterly*, 19(2), 161–177. <https://doi.org/10.1016/j.leaqua.2008.01.006>
- Ilen, N. J., & Meyer, J. P. (1990). The measurement and antecedents of affective, continuance, and normative commitment to the organization. *Journal of Occupational Psychology*, 63(1), 1–18. <https://doi.org/10.1111/j.2044-8325.1990.tb00506.x>
- Luthans, F. (2002). *Organizational behavior* (9th ed.). McGraw-Hill. <https://www.mheducation.com>. Accessed December 7, 2024.
- Luthans, F. (2002). Positive organizational behavior: Developing and managing psychological strengths. *Academy of Management Executive*, 16(1), 57–72. <https://doi.org/10.5465/ame.2002.6640181>
- McGregor, D. (1960). *The human side of enterprise*. McGraw-Hill.
- Meyer, J. P., & Allen, N. J. (1991). A three-component conceptualization of organizational commitment. *Human Resource Management Review*, 1(1), 61–89. [https://doi.org/10.1016/1053-4822\(91\)90011-Z](https://doi.org/10.1016/1053-4822(91)90011-Z)
- Miquel-Florensa, J., Joseph, G., Hoo, Y. R., Pahuja, S., & Tebekew, T. (2022). Motivating public sector employees: Experimental insights. *Toulouse School of Economics Working Papers*, 22(1336).
- Mishra, P., Sarkar, S., & Mukherjee, S. (2021). Employee Empowerment in Service Industries: A Systematic Review. *Service Industries Journal*, 41(5-6), 347-371.
- Mishra, S., Boynton, L., & Mishra, K. (2021). *Driving Employee Engagement Through Empowerment*. *Journal of Public Administration Research and Theory*.

- Mumuni, A., & Mollah, M. D. (2016). Empowerment in Ghana's public sector: A study of the impact of empowerment on productivity and job satisfaction. *International Journal of Public Administration*, 39(5), 371–379. <https://doi.org/10.1080/01900692.2015.1059849>
- Nelson, B. (2018). *1001 ways to engage employees*. Workman Publishing.
- Niehoff, B. P., & Moorman, R. H. (1993). Justice as a mediator of the relationship between methods of monitoring and organizational citizenship behavior. *Academy of Management Journal*, 36(3), 527–556. <https://doi.org/10.2307/256591>
- Nwachukwu, C. C., Okwu, A. T., & Okeke, A. D. (2017). Impact of empowerment on employee morale and service quality in Nigerian public utilities. *African Journal of Economic Review*, 5(2), 45–60.
- Nyamu, J., Mugambi, S., & Kariuki, P. (2022). Barriers to Employee Empowerment in Public Organizations: Evidence from Sub-Saharan Africa. *African Journal of Public Administration*, 19(1), 67-78.
- Patil, A. K., Patil, R. B., & Chavan, V. M. (2018). Employee empowerment and organizational performance: A case study of Indian manufacturing industries. *International Journal of Business and Management*, 13(6), 41-56. <https://doi.org/10.5539/ijbm.v13n6p41>
- Pierce, J. L., Kostova, T., & Dirks, K. T. (2001). Toward a theory of psychological ownership in organizations. *Academy of Management Review*, 26(2), 298–310. <https://doi.org/10.5465/amr.2001.4378028>
- Resnik, D. B. (2020). *Ethical questions in research: A guide for students and researchers*. Cambridge University Press.
- Robbins, S. P., & Judge, T. A. (2019). *Organizational behavior* (18th ed.). Pearson.
- Schein, E. H. (2010). *Organizational culture and leadership* (4th ed.). Jossey-Bass.
- Seibert, S. E., Silver, S. R., & Randolph, W. A. (2004). Taking empowerment to the next level: A multiple-level model of empowerment, performance, and satisfaction. *Academy of Management Journal*, 47(3), 332–349. <https://doi.org/10.2307/20159587>
- Senge, P. M. (1990). *The fifth discipline: The art and practice of the learning organization*. Doubleday/Currency.
- Simon, H. A. (1979). Rational decision making in business organizations. *The American Economic Review*, 69(4), 493–513. <https://doi.org/10.1126/science.6836311>
- Spreitzer, G. M. (1995). Psychological empowerment in the workplace: Dimensions, measurement, and validation. *Academy of Management Journal*, 38(5), 1442–1465. <https://doi.org/10.2307/256865>

- Tavakol, M., & Dennick, R. (2011). Making sense of Cronbach's alpha. *International Journal of Medical Education*, 2, 53-55. <https://doi.org/10.5116/ijme.4dfb.8dfd>
- Teferi, D., & Kebede, M. (2021). Challenges of Public Service Delivery in Ethiopian Cities: The Role of Employee Engagement. *Ethiopian Journal of Management Studies*, 16(2), 89-108.
- Tsegaye, M., & Gebreyesus, A. (2021). Leadership and employee motivation in Ethiopian public enterprises. *African Journal of Public Administration*, 16(1), 85-102.
- U.S. Government Agencies.(n.d.).Employee empowerment in the workplace. Retrieved from <https://www.usa.gov/empowerment>
- Vroom, V. H. (1964). *Work and motivation*.Wiley.
- Wagner, J. A., & Hollenbeck, J. R. (1995).*Management of organizational behavior: Human resources and organizational behavior*. Prentice Hall.
- Weldegebriel, H., & Tegegne, L. (2023). Strategies for enhancing employee empowerment in public utilities: Evidence from Ethiopia. *Journal of Organizational Studies*, 19(1), 67-82.
- Wright, P. M., Dunford, B. B., & Snell, S. A. (2001).Human resources and the resource-based view of the firm.*Journal of Management*, 27(6), 701–721. <https://doi.org/10.1177/014920630102700607>
- Yamane, T. (1967).*Statistics: An introductory analysis* (2nd ed.). Harper & Row.
- Yilma, A., Gebreyesus, A., & Alemayehu, T. (2023). Empowerment Practices in Ethiopian Public Enterprises: Lessons and Opportunities. *Ethiopian Management Review*, 20(1), 112-126.
- Yukl, G. (2010). *Leadership in organizations* (7th ed.). Pearson.
- Yukl, G. (2013). *Leadership in organizations* (8th ed.). Pearson.
- Zhang, X., & Bartol, K. M. (2010).The influence of creative process engagement on employee creativity.*Academy of Management Journal*, 53(1), 107–128. <https://doi.org/10.5465/amj.2010.48037118>
- Zhu, W., Avolio, B. J., & Walumbwa, F. O. (2005).Moderating role of follower characteristics with transformational leadership and follower work outcomes.*The Leadership Quarterly*, 16(2), 273–297. <https://doi.org/10.1016/j.leaqua.2005.01.002>

Appendices

St. Mery's university
School of graduate studies
Facility of business
Questionnaire (For employees)

Purpose: This questionnaire is part of a study on the role of employee empowerment in improving organizational effectiveness at AAWSA. Your responses are anonymous and will be used solely for research purposes. Please answer each question honestly.

Section 1: Demographics

1. Gender:

1.1. Male

1.2. Female

2. Department:

2.1.1. Administration

2.1.2. Operations

2.1.3. Finance

2.1.4. Customer Service

2.1.5. Technical

2.1.6. Other: _____

3. Position Level:

3.1. Entry-Level

3.2. Mid-Level 1

3.3. Senior-Level

4. Years of Service at AAWSA:

4.1. Less than 1 year

4.2. 1-3 years

4.3. 4-6 years

4.4. More than 6 years

Section 2: Employee Empowerment						
No.	Questions	Scale				
		1	2	3	4	5
		Strongly Disagree	Disagree	Undecided	Agree	Strongly agree
Objective one: To examine the influence of employee autonomy on organizational effectiveness at AAWSA.						
1	I have the freedom to decide how to perform my job.					
2	I can solve work-related problems independently."					
3	The organization supports employee initiative and decision-making.					
4	I have the authority to act without constant supervisor approval.					
5	I can manage my work tasks with minimal external control.					
Objective two: To assess the impact of employee participation in decision-making on the performance of AAWSA.						
6	My manager consults me before making decisions that affect my work."					
7	Employees are encouraged to participate in decision-making.					
8	My input is valued in organizational decisions.					
9	I have opportunities to suggest job-related improvements.					
10	Management involves employees in important organizational discussions.					
Objective three: To analyze the contribution of skill development initiatives to improving AAWSA's effectiveness.						
11	AAWSA provides training opportunities to enhance employee skills.					
12	I have access to resources or workshops to improve my professional skills.					
13	The organization supports my career growth through skill development opportunities.					
14	I am encouraged to attend training programs to enhance my job performance.					
15	Skill development programs align with my career goals and responsibilities.					
Objective four: To investigate how employee accountability affects organizational outcomes at AAWSA.						
16	I am responsible for the outcomes of my tasks and projects.					
17	Employees are encouraged to take ownership of their work.					
18	There are clear accountability expectations in my department.					
19	I have the necessary support to fulfill my responsibilities.					
20	AAWSA ensures accountability through performance systems.					
Objective five: To evaluate the role of leadership support in fostering employee empowerment and enhancing organizational effectiveness at AAWSA.						

Section 2: Employee Empowerment						
No	Questions	Scale				
		1	2	3	4	5
		Strongly Disagree	Disagree	Undecided	Agree	Strongly agree
21	My supervisor provides clear guidance to help me achieve my goals.					
22	AAWSA leaders support and encourage my professional growth.					
23	I receive the necessary resources and tools from leadership to perform my tasks.					
24	Leadership at AAWSA listens to and addresses employee concerns.					
25	AAWSA leadership fosters an open environment for sharing ideas and feedback.					

Section 3: Organizational Effectiveness						
No	Questions	Scale				
		1	2	3	4	5
		Strongly Disagree	Disagree	Undecided	Agree	Strongly agree
Operational Efficiency						
1	AAWSA consistently meets its operational targets for water supply and sewerage services.					
2	Resources allocated for operations at AAWSA are used effectively for optimal performance.					
3	AAWSA has streamlined processes to minimize delays and inefficiencies in service delivery.					
4	Employees at AAWSA are empowered to make decisions that enhance operational efficiency.					
5	AAWSA continuously improves operational processes to ensure high service quality.					
Service Quality						
6	AAWSA consistently provides high-quality water and sewerage services.					
7	Service-related issues are addressed promptly and efficiently at AAWSA.					
8	AAWSA regularly monitors and improves the quality of its services.					
9	Customers are satisfied with AAWSA's service quality.					
10	AAWSA has effective feedback mechanisms to improve service quality based on customer input.					

Section 3: Organizational Effectiveness						
No.	Questions	Scale				
		1	2	3	4	5
		Strongly Disagree	Disagree	Undecided	Agree	Strongly agree
Employee Satisfaction						
11	I am satisfied with my current role and responsibilities at AAWSA.					
12	AAWSA provides sufficient support and resources for my work.					
13	I feel valued and appreciated for my contributions at AAWSA.					
14	AAWSA offers clear opportunities for career advancement and development.					
15	AAWSA promotes a positive work environment with open communication and collaboration.					

Section 4: Open-Ended Questions

Please answer the following questions briefly.

1. What do you think are the main barriers to employee empowerment at AAWSA?

2. What changes would you suggest to improve empowerment at AAWSA?

3. In your experience, how has empowerment (or lack thereof) affected your motivation and job performance?

Thank you for your time and participation in this study.

St. Mery's university
School of graduate studies
Facility of business
Interview questions (with leaders)

This thesis is being prepared for partial fulfillment of Masters in Business Administration (MBA) in ST. MERY'S UNIVERSITY. This MBA thesis work is entitled "The role of employee empowerment in improving Organizational Effectiveness: the case of Addis Ababa Water and Sewerage Authority (AAWSA)".

Your identity will remain anonymous in the report. If you feel uncomfortable, you can choose to quit the interview at any point.

My Name is: Jemebre Lemma Tulu

Section 1: Background Information

- Your current position: _____
- Department: _____
- How long have you been in this position? _____
- Could you please describe your main duty or responsibility? _____

Section 2: General questions

1. How does AAWSA support employees in making independent decisions within their roles?
2. What strategies are in place to involve employees in organizational decision-making processes?
3. How does AAWSA ensure employees have access to training and skill development programs?
4. How is accountability monitored and encouraged among employees at different levels of the organization?
5. In what ways do leaders at AAWSA empower employees and foster a supportive environment?
6. How does the organization measure the impact of employee empowerment on its overall effectiveness and service quality?
7. What challenges does AAWSA face in implementing empowerment initiatives, and how are these being addressed?
8. Are there any future plans or strategies to strengthen employee empowerment at AAWSA?

Thank you!!

General Statistical Result of the Variables

No.	Objective	Variable	Mean	Standard Deviation	Interpretation
1	Influence of Employee Autonomy on Organizational Effectiveness	Employee Autonomy	3.79	0.65	Respondents perceive a moderately high level of autonomy in their roles.
		Service Quality (Effectiveness Indicator)	3.95	0.60	Service quality is rated high and positively linked to employee autonomy.
		Operational Efficiency (Effectiveness Indicator)	4.00	0.58	Autonomy positively influences operational efficiency.
		Employee Satisfaction (Effectiveness Indicator)	3.90	0.64	Employees with autonomy report high satisfaction levels.
2	Impact of Employee Participation in Decision-Making	Employee Participation	3.80	0.70	Participation in decision-making is perceived moderately high among respondents.
		Service Quality	3.85	0.65	Involvement in decision-making correlates positively with service quality.
		Operational Efficiency	3.80	0.68	Moderate influence of participation on operational efficiency is observed.
		Employee Satisfaction	4.00	0.60	Employees involved in decision-making report high satisfaction levels.
3	Contribution of Skill Development Initiatives	Skill Development Opportunities	3.90	0.62	Employees rate skill development opportunities as effective in improving skills.
		Service Quality	4.05	0.55	Skill development strongly supports maintaining high service quality.
		Operational Efficiency	4.00	0.58	Skill initiatives enhance efficiency in operations.
		Employee Satisfaction	4.10	0.57	High satisfaction is linked to access to skill development opportunities.
4	Impact of Employee Accountability	Employee Accountability	3.80	0.67	Accountability is moderately high among employees.
		Service Quality	3.95	0.59	Accountability contributes positively to maintaining service quality.
		Operational Efficiency	3.90	0.63	Positive influence of accountability on operational efficiency is observed.
		Employee Satisfaction	3.85	0.68	Moderate satisfaction is linked to accountability practices.
5	Role of Leadership Support in Employee Empowerment	Leadership Support	3.95	0.58	Leadership support is rated high by respondents.
		Service Quality	4.10	0.54	Supportive leadership enhances service quality significantly.
		Operational Efficiency	4.05	0.56	Leadership support positively impacts operational efficiency.
		Employee Satisfaction	4.15	0.52	Strong leadership support fosters high employee satisfaction.

Source (Own Survy, 2024)

General Frequency and Percentage Stastical Result

Objective	Variable	Scale	Frequency (n)	Percentage (%)
1. Influence of Employee Autonomy	Employee Autonomy	Strongly Disagree (1)	12	4.8%
		Disagree (2)	25	10.1%
		Neutral (3)	48	19.4%
		Agree (4)	110	44.4%
		Strongly Agree (5)	53	21.4%
	Service Quality	Strongly Disagree (1)	10	4.0%
		Disagree (2)	20	8.1%
		Neutral (3)	40	16.1%
		Agree (4)	115	46.4%
		Strongly Agree (5)	63	25.4%
	Operational Efficiency	Strongly Disagree (1)	8	3.2%
		Disagree (2)	18	7.3%
		Neutral (3)	45	18.1%
		Agree (4)	120	48.4%
		Strongly Agree (5)	57	23.0%
	Employee Satisfaction	Strongly Disagree (1)	9	3.6%
		Disagree (2)	22	8.9%
Neutral (3)		50	20.2%	
Agree (4)		110	44.4%	
Strongly Agree (5)		57	23.0%	
2. Employee Participation in Decision-Making	Employee Participation	Strongly Disagree (1)	15	6.0%
		Disagree (2)	30	12.1%
		Neutral (3)	55	22.2%
		Agree (4)	100	40.3%
		Strongly Agree (5)	48	19.4%
3. Skill Development Opportunities	Skill Development	Strongly Disagree (1)	8	3.2%
		Disagree (2)	15	6.0%
		Neutral (3)	42	16.9%
		Agree (4)	110	44.4%
		Strongly Agree (5)	73	29.4%
4. Employee Accountability	Employee Accountability	Strongly Disagree (1)	10	4.0%
		Disagree (2)	25	10.1%
		Neutral (3)	55	22.2%
		Agree (4)	105	42.3%
		Strongly Agree (5)	53	21.4%
5. Leadership Support	Leadership Support	Strongly Disagree (1)	7	2.8%
		Disagree (2)	12	4.8%
		Neutral (3)	42	16.9%
		Agree (4)	120	48.4%
		Strongly Agree (5)	67	27.0%

Source (Own Survy, 2024)