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## Stepping Towards Sustainable Leadership: Analysis of Leadership Practices in The Mining Industry in Supporting The Achievement of Sustainable Development Goals

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## **KEYWORDS**

## **ABSTRACT**

sustainable leadership; Sustainable Development Goals (SDGs); challenges, roles strategies; This research aims to fill the research gap by analyzing sustainable leadership practices in the mining industry, expanding the understanding from previous sustainable leadership literature. The focus is to provide a deep understanding of the role of sustainable leadership in supporting the Sustainable Development Goals (SDGs). Qualitative methods are employed to comprehend social phenomena through the collection and analysis of descriptive and non-numeric data. The study explores "Sustainable Leadership Practices at PT ABC and PT XYZ in Supporting the Achievement of Sustainable Development Goals." The findings indicate that PT ABC and PT XYZ implement sustainable leadership practices, including commitments to social, economic, and environmental aspects. However, they face challenges such as resource constraints and organizational cultural changes. Leaders in both companies play a crucial role in communicating the importance of sustainability and leading change. Managerial implications involve developing internal policies that strengthen sustainable leadership practices and enhancing employee awareness. Management needs to address financial and cultural challenges while ensuring compliance with regulations. Investor implications include a deeper understanding of the company's commitment to social, economic, and environmental aspects as an evaluation factor for long-term sustainability.

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## Introduction

To strengthen human responsibility for sustainable development, the UN approved 17 Sustainable Development Goals (SDGs). These goals oblige countries, organizations, and individuals to take action in order to achieve sustainable development (Susanto, 2017). Sustainable development is a dynamic system that not only focuses on solutions to problems related to climate change and environmental degradation, but also deals with

health, welfare, and the elimination of inequality and poverty (Dos Santos & Ahmad, 2020).

In line with these global goals, today's business world is increasingly focused on sustainable leadership issues, luring investors oriented towards socially conscious investments (De Lucia et al., 2020). Along with economic development, various social issues emerge that challenge leaders to integrate economic benefits, social responsibility, and environmental protection. Sustainable leadership is becoming a key concept in balancing three main goals: economy, society, and environment, and has become the focus of leadership theory research (Niu et al., 2022).

Today's leaders are faced with the challenge of integrating the interrelated pillars of ESG (Environmental, Social, Governance) (Piwowar-Sulej & Iqbal, 2023), by incorporating sustainability practices into organizational functions (Lämsä et al., 2023). Effective sustainable leadership applies ESG principles in business decision-making and strategy, by integrating them in decision-making processes to achieve business success. The focus of sustainable leadership is on human resource development, support for worker capacity development, and resource identification by avoiding unnecessary things in crucial aspects of work (Di Fabio et al., 2023).

The importance of sustainable leadership is increasing globally, where corporate goals are no longer limited to traditional financial performance, but also in line with social and ecological aspects (Mujtaba & Mubarik, 2022). Sustainable leadership has the potential to create positive effects on a balanced number of performance indicators, as well as contribute to institutional and societal resilience in the long term (Aung & Hallinger, 2022).

In Indonesia, business has a crucial role to play in economic growth, but it also faces a number of significant problems. Many business operations of an exploitative nature have serious impacts on society and the environment, threatening the future of humanity. Sustainability academics have consistently highlighted the responsibility of the business community in confronting these challenges, encouraging leaders to take an active role in creating sustainability (Narotama et al., 2023).

Referring to the situation in Indonesia, various ESG studies show mixed results. Although several studies conclude that corporate sustainability performance in Indonesia is still in its early stages (Laskar & Gopal Maji, 2018), other studies have found an increasing trend in corporate ESG in Indonesia, both in the number and quality of voluntary corporate ESG disclosures (Harymawan et al., 2021). Another study also revealed the positive impact of corporate ESG on the financial performance of Indonesian companies (Hardiningsih et al., 2020).

Previous studies have investigated sustainable leadership from a variety of perspectives and theories. However, there is a need to expand this literature, particularly in the context of exploratory product industries such as mining. Therefore, this study aims to fill the research gap by analyzing strategies of sustainable leadership practices in the mining industry, developing further insights from previous articles that examined the sustainable leadership literature (Liao, 2022). With a focus on this industry, this research is expected to provide a deeper understanding of the role of sustainable leadership in supporting the achievement of the Sustainable Development Goals (SDGs).

## Konsep Sustainable Development Goals (SDGs)

The 2030 Agenda for Sustainable Development, adopted by all UN countries in 2015, sets out a shared blueprint for global peace and prosperity. The Sustainable Development Goals (SDGs) include 17 targets involving global collaboration to address

poverty, climate change, environmental conservation, economic growth, as well as policies that improve health, education, reduce inequality, and promote balanced economic growth (UN Sustainable Development, 2020).



Sustainable Development Goals SDGs (www.Bappenas, 2018)

## **Konsep Environmental Social Governance (ESG)**

The World Commission for Environmental Growth (WCED) emphasized that Environmental, Social, and Governance (ESG) disclosures aim primarily as a reminder for today's generation to maximize growth without harming future generations (Almeyda & Darmansya, 2019). ESG, often integrated in Corporate Social Responsibility (CSR), receives attention because in addition to financial aspects, it has a long-term impact that benefits other than shareholders (Almeyda & Darmansya, 2019).

ESG factors, including environmental, social, and governance, can pose direct or indirect risks to companies (Manalu & Purba, 2023). ESG implementation in Indonesia is still in its early stages, with the Financial Services Authority's Sustainable Finance Roadmap Phase II supporting the growth of sustainability aspects OJK, 2021. Many business actors still face obstacles in implementing the concept of sustainability OJK, 2021.

#### Konsep Sustainable Leadership

In today's business era, there is a paradigm shift in measuring company performance. Performance evaluation is no longer only based on economic aspects, but also includes ecological and social impacts. ISO 26000:2010 provides guidance for Social Responsibility (CSR) and is recognized by various stakeholders (Lopes de Sousa Jabbour et al., 2020). Sustainable leadership is key to realizing sustainability, requiring leaders who are able to align profitability with social and environmental well-being.

Sustainable leaders adapt to global complexity, look long-term, and prioritize next-generation impact (Deb, Gireesan, et al., 2023). They create lasting value and become a source of competitive advantage for organizations, combining innovation, competitive advantage, and sustainability (Al-Zawahreh et al., 2019). Sustainable leadership also provides economic benefits and attracts talent and customers, while indifference to sustainability risks being left behind and experiencing negative impacts from climate change (Iqbal et al., 2020) (Deb, Sunny, et al., 2023).

Research Variables, Description and Measurement of Variables

Variable	Definition and	Dimension	Indicator	Source
Sustainable	Leadership from a	Character,	1.Leadership	Armani
Leadership	sustainable	Behavior,	capabilities	Armam A., Petrini
(Identifying	perspective is based	Competence,	2. Interpersonal skills	M.,
leadership	on the idea that the	Skills, Attitudes	3. Focus on	Santos A.,
practices with	organization is part	and Roles	sustainability	(2020)
a sustainability	of the environment	and Roles	4. Have an orientation	(2020)
perspective)	that allows it to		to continuous	
perspective)	generate		change	
	sustainability		5.Connected to	
	values and revenue		organizational	
	for the business.		culture	
	for the business.		6.Demonstrate values	
			and moral	
			principles	
			7. Have attention to	
			stakeholders	
			8. Putting	
			sustainability into	
			every strategy	
			9.Have special	
			knowledge	
			10. Understanding	
			the difference	
Challenges	The challenge of	Stakeholder	1.The level of	Crews D
(Identifying	managing,	Involvement,	stakeholder	S.A.M.
challenges in	mobilizing,	Creating Culture,	involvement in	Advanced
leadership	understanding, and	Organizational	understanding	Managem
practice with a	leading change. It	Learning, Holistic	decisions and	ent
sustainability	requires knowledge	Thinking, and	operations towards	Journal
perspective)	of how to mitigate	Measurement and	sustainably	(2010)
r	consequences,	Reporting.	oriented leadership	(
	overcome		2.Building a	
	resistance to		sustainably	
	change, and handle		oriented	
	team members'		organizational	
	reactions to change.		culture	
	$\mathcal{E}$		3.Evaluation of	
			practice as	
			organizational	
			learning	
			4. Ability to think	
			holistically	
			5.Sustainability	
			practice	
			measurement and	
			reporting	
			mechanisms	
Role	The role of	The Role of	1.Level of sustained	Shaaban,
(Identifying	management that	Sustainable	leadership	Safaa. The
roles in	drives solutions to	Leadership in the	commitment	impact of
				•

Variable	Definition	Dimension	Indicator	Source
sustainability-	environmental,	relationship	2. The leader's level of	Responsib
perspective	social and	between	responsibility	le
leadership	economic	Responsible	towards	Leadershi
practices)	challenges in the	Leadership and	sustainability	p (RL) on
	world. It recognizes	Responsible	3. The influence of	Responsib
	leadership as a	Employees.	sustainable	le
	process of influence		leadership in	Employee
	and breaks down		driving employee	(RE): The
	silos to combine		responsibility	mediating
	efforts toward		4. The implications of	role of
	change and		sustainable	Sustainabl
	transformation		leadership on	e
			corporate decisions,	Leadershi
			policies and	p (SL)
-			operations.	(2020)
Strategy	A series of practical	Triple Bottom	1. Meet integration	Crews D
(Identifying	actions that	Line Integration,	claims against triple	S.A.M.
strategies in	businesses take to	Organizational	bottom line focus	Advanced
leadership	increase their	Support,	2. Gain organizational	Managem
practices with	influence on the	Sustainability	support	ent
a sustainability	environment and	Coordination and	3. Coordination and	Journal
perspective)	society. A	Integration	integration across	(2010)
	sustainable strategy		company, business,	
	is a long-term		function and	
	policy but it will		project-level	
	also benefit the		strategy.	
	company and its			
apa	employees.	G 1.1	TTI	and a
SDGs	To promote social,	Sustainable	The contribution of	SDGs
(Identifying	economic, and	Development	sustainable	Bappenas.
the	environmental	Goals Social,	leadership to the	https://sdg
contribution of	development, the	Economic,	achievement of SDGs	s.bappena
sustainability-	2030 Agenda for	Environmental	in social, economic	s.go.id/
perspective	Sustainable	Aspects	and environmental	
leadership	Development, or		aspects	
practices to the	SDGs, is a new			
achievement	development pact			
of SDGs)	that calls for			
	adjustments			
	towards sustainable			
	development based			
	on equality and			
	human rights.			

## **Research Methods**

This research adopts qualitative methods as an approach to understand social phenomena and human behavior through the collection and analysis of descriptive and non-numerical data (Creswell & Creswell, 2017). This approach focuses on deep understanding, interpretation, and expression of meaning from the perspective of the individual or group under study, particularly in the context of "Sustainable Leadership

Practices at PT ABC and PT XYZ in Support of the Achievement of Sustainable Development Goals."

The type of research used is descriptive qualitative, following a naturalistic approach to gain a deep understanding of the experience of social phenomena (Hendryadi et al., 2019). Qualitative methods allow flexibility and open design, not tied to rigor that is generally applied in quantitative research (Strauss & Corbin, 2013).

Data collection and analysis was carried out primarily on texts, such as interview transcripts, observations, text documents, and social media content. Techniques such as interviews and documentation are used to obtain relevant data, which is then analyzed in depth to identify themes, categories, and patterns. This qualitative approach was chosen to explore and understand the phenomenon of "Sustainable Leadership Practices in PT ABC and PT XYZ in Support of the Achievement of Sustainable Development Goals," emphasizing subjective interpretations, participant perspectives, and social construction

## **Results and Discussions**

## **Object of Research**

This research was conducted on 2 (two) companies, PT ABC and PT XYZ which are engaged in the *Explorative Product* (Mining) industry. This research focuses on analysis on sustainable leadership practices in both companies in support of achieving the Sustainable Development Goals (SDGs).

The first company, PT ABC was established on August 31, 2009 and became a public company after an initial public offering on the Indonesia Stock Exchange, has grown to become a leading investment company in Indonesia. The focus involves strategic investments in the energy resources, energy services, and energy infrastructure sectors with the Mining Value Chain (MVC) Integrated Business Model. In 2021, PT ABC demonstrated its commitment to sustainability through ESG initiatives, achieved a BB rating from MSCI, and acquired a stake in PT Golden Energy Mines Tbk. PT ABC is committed to sustainability, sustainable business growth, and providing added value to customers, while strengthening sustainability through an ESG approach and synergy work model.

The second company, PT XYZ, was established with a commitment to optimize production through environmentally friendly innovation, focus on energy transition and application of CCS/CCUS technology to reduce GHG emissions. Supporting national energy projects, companies collaborate in community empowerment with independent energy programs. Integrating ESG aspects in operations, PT XYZ prioritized SDGs and achieved Gold, Green, and Blue PROPER awards. Focused on sustainability, the company manages economic, social, and environmental impacts, implements QHSSE policies and is committed to a Green Sustainably vision. With the application of technology, PT XYZ is a pioneer of CCS/CCUS and strives to achieve sustainable development by managing risks and taking advantage of ESG opportunities.

In this study, the authors conducted structured and in-depth interviews with 10 informants from PT ABC and PT XYZ. The informants came from various positions, such as Group Head Sustainability &; Corporate Communication, Head of Comrel &; CID CSR, Leader of CID &; CSR, Leader of Land Matter, Leader of Security, Sustainability & CSR Specialist, Field Area/Comrel Leader, and Community Relations Officer (CRO). The interview consisted of 30 questions covering 23 indicators from 5 research variables, covering sustainable leadership, challenges, roles, strategies, and contributions to the *Sustainable Development Goals (SDGs)*.

**List of Research Informants** 

Level	Company	Informant Department	Informer Code
	PT ABC	Group Head Sustainability & Corporate Communication	ML-01
Management	PT XYZ	Head of Comrel & CID CSR	ML-02
Leaders	PT XYZ	Leader of CID & CSR	ML-03
	PT XYZ	Leader of Land Matter	ML-04
	PT XYZ	Leader of Security	ML-05
	PT ABC	Sustainability & CSR Specialist, Sr.	NML-01
Non-	PT XYZ	Field Area/Comrel Leader	NML-02
Management Leaders	PT XYZ	Field Area/Comrel Leader	NML-03
	PT XYZ	Community Relation Officer (CRO)	NML-04
	PT XYZ	Community Relation Officer (CRO)	NML-05

Source: Data Primer (2023)

## **Research Findings**

The results of interviews with informants were analyzed using content analysis methods. The author examines the frequency of keywords that reflect the inclination and deepening of informant answers to each question. Content analysis helps reveal priorities and implementation of sustainable leadership practices, identify and address challenges, formulate roles, and build strategies in support of sustainable development goals. Based on keywords from informant answers that have been classified according to questions and indicators of research variables, the following are the author's findings:

Findings of Sustainable Leadership Practices Applied to Companies (Variable 1)

Indicator	Findings
1. Leadership capabilities	Informants demonstrate sustainable leadership abilities by proactively managing risk, developing employee skills, and applying sustainability principles in all aspects of operations.
2. Interpersonal skills	Informants apply their interpersonal skills with patterns of open communication, fair negotiation, and active engagement and collaboration to achieve sustainability goals holistically.
3. Focus on sustainability	Informants highlight a focus on sustainable leadership by promoting and recognizing sustainability opportunities, as well as a personal commitment to sustainable practices and values, creating a positive impact in their operations.
4. Have an orientation to continuous change	Informants demonstrate commitment to change, identify risks as opportunities, raise awareness of the impact of change, and implement risk management that integrates opportunities. In addition, the company conducts continuous performance measurement and reporting.
5. Connectedness with organizational culture	Informants describe various adaptation efforts, active involvement in organizational culture, motivation and drive derived from corporate culture, and thoughtful responses to rejection.
6. Demonstrate values and moral principles	Informants highlight principles and values/morals by prioritizing welfare, environmental protection, promoting human rights, ensuring justice, and promoting ethics and

Indicator	Findings
	integrity in all operational practices as a form of sustainable leadership
7. Have attention to stakeholders	Informants implement sustainable leadership by focusing on stakeholder engagement, ensuring transparency, fulfilling legal and ethical obligations, and being responsive to criticism and input with a perspective on mutual interests.
8. Putting sustainability into every strategy	Informants integrate sustainability in business strategies by considering socioeconomic and environmental aspects. This reflects the leader's commitment to the company to achieve sustainability goals through an ethical business approach.
9. Have special knowledge	Informants continue to conduct continuous learning and training, develop specialized skills, and apply knowledge to contribute to sustainability. This reflects the leader's commitment to the company to sustainable human resource development.
10. Understanding the difference	Informants demonstrate a commitment to cultural learning, involvement in social issues, and creating an inclusive organizational culture. The focus on promoting justice and equality reflects sustainable leadership that pays attention to social and ethical aspects.

Findings of Challenges Faced in Implementing Sustainable Leadership Practices (Variable 2)

Indicator	Findings
1. The level of stakeholder involvement in understanding decisions and operations towards sustainably oriented leadership	Informants recognize a number of challenges in implementing sustainable leadership practices, including organizational complexity, diverse stakeholders, technical language, limited time and resources, environmental uncertainty, and sensitive social and environmental issues that require management of different views and stakeholder
2. Building a sustainably oriented organizational culture	priorities.  Informants in implementing sustainable leadership practices are faced with the challenges of slow cultural change, resistance to change, the need for strong leadership, the importance of structural change, lack of resources, as well as constraints in measuring and tracking progress.
3. Evaluation of practice as organizational learning	The informant stated that practice evaluation as organizational learning in companies is faced with challenges of accurate data availability, indirect impact measurement, changing policies and regulations, limited resources, difficulties transforming findings into action, differences in stakeholder priorities, cultural understanding, and complex information management.
4. Ability to think holistically	Informants face challenges in implementing sustainable leadership practices holistically, such as lack of awareness, diverse interests, limited resources, future uncertainty, organizational culture change, difficulty measuring holistic

Indicator	Findings
	impact, behavior change, short-term vs. long-term pressures, and policy and regulatory uncertainty.
5. Sustainability practice measurement and reporting mechanisms	Informants face challenges in establishing sustainability practice measurement and reporting mechanisms, such as the availability of inaccurate data, indirect impact measurement, diversity of operations and industries, the need for stakeholder engagement, consistency in measurement, understanding and measurement of environmental impacts, and future uncertainties that emphasize the importance of communicating clearly.

**Role Findings in Sustainable Leadership Practice** (Variable 3)

ole Findings in Sustainable Leadership Practice (Variable 3)  Indicator Findings	
	Findings
1. Level of sustained leadership commitment	Informants recognize the importance of sustainable leadership roles in companies involving the formation of sustainability policies, performance measurement, integration in business strategy, communication, support for innovation, stakeholder involvement, sustainability team development, and long-term impact evaluation, creating a strong foundation for the company's sustainable success.
2. The leader's level of responsibility towards sustainability	The informant stated the importance of the leader's responsibility to the sustainability of the company involves policy development, integration in business strategy, performance measurement, stakeholder involvement, team development, training, long-term impact evaluation, rewards, and participation in sustainability projects, creating a comprehensive basis for business sustainability.
3. The influence of sustainable leadership in driving employee responsibility	The informant stated the importance of continuous leadership influence in supporting the responsibilities of company employees including training, open communication, sustainability teams, shared goals, recognition, participation in sustainability projects, performance reports, and consultative engagement with stakeholders, ensuring overall commitment to sustainability goals and active engagement.
4, Implications of sustainable leadership on company decisions, policies and operations	Informants understand the implications of sustainable leadership on corporate decisions, policies and operations involving awareness, integration of sustainability in business strategy, data-driven decision making, stakeholder consultation, organizational culture change, and long-term impact evaluation, describing a holistic and proactive approach to achieving sustainability goals.

Findings of Sustainable Leadership Practice Strategies in Support of Sustainable Development Achievement (Variable 4)

Indicator	Findings
1. Meet integration claims against triple bottom line focus	Infroman agreed on the importance of meeting the demands of integration of the company's triple bottom line including the formation of sustainable policies and goals, performance measurement through an integrated system, sustainability reports, stakeholder involvement, sustainable innovation, training and education, as well as long-term impact evaluation, creating a holistic foundation for sustainable development.
2. Gain organizational support	Informants place organizational support as a key force in sustainable leadership practices in companies involving open communication, education and training, sustainability reports, participation in sustainable initiatives, rewards and recognition, feedback from employees, ongoing meetings and events, as well as changes in organizational culture, creating a strong foundation for sustainable development.
3. Coordination and integration across enterprise, business, function and project-level strategy.	Informants implement coordination and integration across company, business, function and project-level strategies in implementing sustainable leadership strategies by ensuring coordinated organizational structure, open communication, integrated policies, centralized monitoring and reporting, sustainable organizational culture, stakeholder involvement, and awareness of a sustainable work environment to achieve sustainability goals.

Findings of the Contribution of Sustainability Leadership Practices to the Achievement of SDGs (Variable 5)

Indicator	Findings
1. The contribution of sustainable leadership to the achievement of SDGs in Social, Economic, and Environmental aspects	The informant stated that a number of sustainable leadership measures and practices in the company have contributed holistically to the achievement of SDGs. These include employee welfare, community empowerment, job creation, tax contributions, support for local business partners, environmental management, energy saving, and ESG policies. It is also realized through continuous innovation, transparency, accountability, and adoption of sustainability policies. Team empowerment sustainability, strategic decision making, and performance measurement and reporting support the acquisition of ESG ratings, SDG index, SDG awards, PROPER assessments, and positive recognition in external assessments. Sustainability is at the core of the company's strategy, creating a measurable and sustainable positive impact.

#### **Discussion of Research Results**

Based on research findings from data analysis, interviews with key informants, and documentation (*Corporate Sustainability Report*), the authors found a number of linkages of the results with several supporting theories and their relevance to the Sustainable Development Goals (SDGs).

Theory Supporting Re	esearch Results
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Variable	Theories that Support Research Results
Sustainable	Innovation Diffusion Theory and Innovation Adoption
Leadership	Theory
	(Bell et al., 2023; Huong & Duc, 2023; Ober, 2020).
	This theory is used to understand how individuals of
	organizations adopt innovation, including continuous
	innovation, and how leadership plays a role in the process. In
	the context of sustainable leadership practices, this theory
	can provide insight into why and how leaders lead change
	towards sustainable practices and how they influence others
	to adopt those practices.
	Transformational Leadership Theory
	(Bass & Riggio, 2006; Yukl, 1999)
	Transformational leaders have the ability to inspire and
	motivate their teams to achieve higher goals. They tend to
	have a strong vision of positive change and drive innovation
	inclusion, and sustainable change. Transformation-focused
	leaders often play a role in designing sustainable strategies
	engaging with stakeholders, and driving change that supports
	the SDGs.
Challenges in	Corporate Social Responsibility (CSR) Theory
sustainability	(Omran & Ramdhony, 2015; Zarefar & Sawarjuwono, 2021)
leadership practice	This theory supports the understanding that firms have socia
	and environmental responsibilities in addition to economic
	goals. Challenges in sustainability leadership practices such
	as those encountered in PT ABC and PT XYZ reflect how
	companies must integrate social and environmenta
	responsibility into their business strategies.
	Sustainable Leadership Theory
	(Liao, 2022; Visser & Courtice, 2012)
	This theory emphasizes that leaders must be agents of change
	in implementing more sustainable business practices. The
	challenge of understanding how sustainable leadership car
	be implemented in companies such as PT ABC and PT XYZ
	is an important subject to research.
Dala in anatainahilitu	1 3
Role in sustainability	Servant Leadership Theory
leadership practice	(Canaves & Minelli, 2022; Saleem et al., 2020; Zada et al. 2022)
	This theory highlights the role of leaders as servants who aim
	to meet the needs and development of their employees. In the
	context of sustainability, leaders play a role in supporting
	employees in the development of sustainability-related
	knowledge and skills.
	Participatory Leadership Theory
	(Khassawneh & Elrehail, 2022; Wang et al., 2022)
	This theory supports the role of leaders who involve
	employees in sustainability-related decision-making
	Involving employees in the decision-making process car
	increase their commitment to sustainability practices.
	Strategic Management Theory
	(Ferreira et al., 2020; Hitt et al., 2021)

# Strategies in sustainability leadership practice

This theory includes the concepts of planning, strategic decision making, and strategy implementation. In the context of sustainable leadership, strategic management theory assists in the development and execution of strategic plans that support sustainable practices.

## **Organizational Learning Theory:**

(Basten & Haamann, 2018; Cuel, 2020)

Organizational learning theory highlights the importance of adaptation and learning in organizations. In sustainable leadership practices, leaders play a role in facilitating continuous organizational learning, including continuous improvement in sustainable practices.

## Theory of Sustainable Decision Making

(Bum et al., 2021; Ruesseler et al., 2023; Zhu et al., 2021) This theory emphasizes the importance of decision-making that considers aspects of sustainability. In sustainable leadership practice, leaders use this theory to guide decision-making that minimizes environmental and social impacts.

#### **Relevance of Research Results to SDGs**

#### **Relevance of Research Results**

PT ABC and PT XYZ demonstrate high dedication to sustainability leadership practices, which positively contribute to the 17 dimensions of SDGs, especially in the *Environmental, Social, and Governance* (ESG) dimensions. With a focus on ESG, both successfully integrate sustainability into their operations, creating a positive impact on the environment, society, and corporate governance. Through these initiatives, both companies exemplify how sustainable leadership practices can be a key pillar in achieving the sustainable development goals.

SDGs goal No. 4, subtitled "Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all," aims to provide inclusive and equitable quality education and promote lifelong learning opportunities for all. Sustainable leadership can play an important role in creating and sustaining effective education systems, motivating educators, and managing educational resources well. Sustainable leadership in the education sector can contribute to improving the quality of education, empowering teachers, and increasing access to education for all, which are key elements in the achievement of SDGs Goal 4. In addition, strong leadership in the education sector can also help realize the potential of society in supporting the achievement of the overall sustainable development goals.





SDGs No. 4 "Quality Education"

#### **Relevance of Research Results**

SDGs No. 8 aims to "sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all." This includes decent job creation, inclusive economic growth, and productive and dignified work for all.

Sustainable leadership in the context of SDGs No. 8 can help create a business environment that supports sustainable economic growth, encourages decent job creation, and promotes fair and dignified business practices. Sustainability-focused leaders can play an important role in ensuring that economic growth is not only sustainable but also inclusive, so that the benefits can be felt by all levels of society.

In addition, sustainable leadership can also help create a safe, healthy, and productive workplace, which is in line with the goals of SDGs No. 8. This includes efforts to reduce inequality in employment, ensure access to decent work for all, and promote work practices that support the well-being of employees and society more broadly.

SDGs No. 12, namely "Responsible Consumption and Production Patterns".

SDGs No 12 aims to promote sustainable consumption and production patterns. These include efficiency in resource use, waste reduction, and greener production-practices. Sustainable leadership can play an important role in encouraging companies to adopt more environmentally responsible business practices. Sustainability-focused leaders can influence corporate policies and practices to reduce their environmental impact, minimize waste, and integrate sustainability principles in their supply chains. They can also promote environmentally friendly products and services as well as raise consumer awareness of the importance of responsible consumption.

So, SDGs No 12 reflects the role of sustainable leadership in promoting greener and more sustainable business practices.

SDGs No. 17 is the point most relevant to sustainable leadership in the context of SDGs. Sustainable leadership has a central role in facilitating partnerships, stimulating global cooperation, building strong institutions, and mobilizing financial resources to achieve the SDGs. Sustainable leadership plays a leading role in forming and executing partnerships that support the holistic achievement of the sustainable development goals.

Goal 17 includes several targets relevant to sustainable leadership, including:

17.16: "Improving Global Cooperation for Sustainable Development."



SDGs No. 8 "Decent Work and Economic Growth"



SDGs No. 12, namely "Responsible Consumption and Production Patterns"



SDGs No 17 "Partnerships to Achieve the Goals"

Relevance of Research Results	SDGs
17.17: "Stimulation and Promotion of Partnerships	
with All Public and Private Stakeholders."	
17.18: "The Ability to Build and Maintain Strong and	
Effective Institutions."	
17.19: "Mobilization of Financial Resources for	
Sustainable Development."	

## Conclusion

PT ABC and PT XYZ have implemented a number of sustainable leadership practices in the company's operations. This includes commitment to social, economic, and environmental aspects, such as employee welfare, community empowerment, and sustainable environmental management practices. This practice reflects the important role of leadership in supporting the SDGs.

PT ABC and PT XYZ have a number of challenges that companies face in implementing sustainable leadership practices. These challenges include resource constraints, organizational culture change, and ensuring compliance with relevant regulations. Building awareness about the importance of sustainability and getting full support from all walks of the organization is also difficult.

PT ABC and PT XYZ place sustainability leadership in playing an important role to shape, promote and encourage sustainability practices in the company. Leaders have a responsibility to communicate the importance of sustainability, ensure organizational support, and lead necessary change.

PT ABC and PT XYZ implement sustainable strategies in leadership by involving decision making that considers aspects of sustainability, integration of sustainability practices in the supply chain, and the development of sustainable innovation. Companies should focus efforts on decent job creation, inclusive economic growth, and fulfillment of social and environmental responsibilities.

The sustainability leadership practices implemented by PT ABC and PT XYZ demonstrate high dedication that effectively leads to the achievement and positive contribution to the 17 Sustainable Development Goals (SDGs), especially in the social, economic, and environmental dimensions. The findings show the most dominant contribution to SDGs No. 4 "Quality Education", both of which highlight efforts in organizing education and training programs to improve employee skills and qualifications. SDGs No. 8 "Decent Work and Economic Growth", the company focuses on creating decent jobs, fair wages, and positive contributions to local economic growth. SDGs No. 12 "Patterns of Responsible Consumption and Production" are reflected in sustainable production practices, waste reduction, and resource efficiency. SDGs No 17 "Partnership to Achieve the Goals", the two forge cross-sectoral partnerships to achieve greater social and environmental impact, providing concrete examples of their commitment to sustainable development.

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