
Analysis of Sustainable Development Goals (SDGs) 12 on the Environmental Performance of PT Pupuk Indonesia

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Abstract

This study aims to analyze the 12th Sustainable Development Goals (SDGs) regarding consumption and production that are responsible for the environmental performance of PT Pupuk Indonesia (Persero). Using a descriptive qualitative approach and thematic analysis, data was collected from sustainability reports and official company documents. The results show that PT Pupuk Indonesia has integrated the principles of SDGs 12 into policies and operations, such as through ISO 14001 certification, Green and Gold PROPER ratings, decarbonization strategies towards Net Zero Emissions 2060, and 3R programs in waste management. The company also implements sustainability reporting based on GRI standards as a form of transparency and good governance. The research concluded that the company has taken tangible and progressive steps in supporting SDG12, although there is still room for strengthening sustainable strategies going forward.

Keywords: *SDGs 12, Sustainable Consumption And Production, PT Pupuk Indonesia, Environmental Performance, Sustainability Reporting*

INTRODUCTION

Sustainable development has become a global agenda carried out by the United Nations (UN) through the Sustainable Development Goals (SDGs), which consist of 17 main goals. One of the important goals is SDGs 12 Responsible Consumption and Production. These goals emphasize the importance of efficiency in the use of natural resources, waste reduction, and the adoption of sustainable production practices to minimize negative impacts on the environment. PT Pupuk Indonesia (Persero), as a state-owned holding engaged in the fertilizer and petrochemical industry, has a strategic role in supporting national food security while facing environmental sustainability challenges. In its energy- and chemical-intensive production process, the company is required to not only pursue operational efficiency, but also pay attention to environmental and social aspects in accordance with the principles of SDGs 12.

Based on this background, this study aims to provide an overview of the implementation of SDGs 12 on environmental performance at PT Pupuk Indonesia. Using a descriptive analysis approach, the study analyzes the extent to which companies have integrated the principles of responsible consumption and production into their policies, programs, and operational practices. The results of this study are expected to provide a deeper understanding of the contribution of the fertilizer industry sector to sustainable development and become the basis for recommendations for future improvements.

METHOD

This study uses a descriptive qualitative approach to examine the implementation of the 12th Sustainable Development Goals (SDGs) on responsible consumption and production at PT Pupuk Indonesia (Persero). Data is obtained through document analysis, especially officially available company sustainability reports. This method was chosen because it provides authentic information and reflects the official position of the company. Data analysis was carried out thematically by identifying the main themes related to SDGs 12, through a coding process and in-depth reading. Validity is strengthened through cross-confirmation between documents to ensure data consistency and interpretation accuracy.

HASIL DAN PEMBAHASAN

Berdasarkan analisis dokumen laporan *SDGs* 12 PT Pupuk Indonesia dan laporan keberlanjutan yang dipublikasikan secara resmi, ditemukan bahwa perusahaan telah menjalankan berbagai inisiatif strategis dan operasional dalam rangka mendukung konsumsi dan produksi yang bertanggung jawab. Temuan-temuan utama dari analisis ini mencerminkan keterlibatan aktif perusahaan dalam prinsip-prinsip keberlanjutan, yang selaras dengan indikator *SDGs* 12 diantaranya:

Environmental Management and Certification

PT Pupuk Indonesia shows a strong commitment to sustainable environmental management. This is evidenced by the ownership of ISO 14001 certification by all its subsidiaries, including Petrokimia Gresik, Pupuk Kujang, Pupuk Kalimantan Timur, Pupuk Iskandar Muda, Pupuk Sriwidjaja Palembang, Industrial Engineering, and Pupuk Indonesia Utilitas. This certification signifies that the company has implemented an Environmental Management System that is in accordance with international standards. In addition, the company consistently achieved Green and Gold PROPER ratings from the Ministry of Environment and Forestry (MoEF) during the 2020–2023 period. This rating reflects a company's compliance with environmental regulations as well as efforts to go beyond that compliance in environmental management.

Energy Efficiency and Emission Reduction

In an effort to support the Net Zero Emissions (NZE) target by 2060, PT Pupuk Indonesia has developed a decarbonization roadmap based on the 2010 baseline. The company targets a reduction in emission intensity by 91.6% to reach 0.083 tons of CO_{2e} per ton of urea by 2060. As part of this strategy, the company established Key Performance Indicators (KPIs) for the Director of Portfolio and Business Development, including a carbon emission reduction target of 80,000 tonnes of CO_{2e} by 2023 and an increase to 100,000 tonnes of CO_{2e} by 2024. This KPI also includes achieving ESG (Environmental, Social, and Governance) ratings at the industry average or mid-level level.

Waste Management and 3R Programs

PT Pupuk Indonesia implements a strict waste management system, ensuring that the waste produced is processed before being discharged into a licensed water body so as not to exceed the quality standards set by laws and regulations. Solid waste sent to landfills is managed by a third party that has permits and certifications. To ensure that waste management practices are in accordance with regulations, waste management activities are carried out by employees who have competency certifications in accordance with the aspects of waste management.

The company is also active in educating employees and stakeholders through the "Waste from Home" program which starts in 2023. The program aims to raise awareness about sustainable waste management and the application of the 3R (Reduce, Reuse, Recycle) principles. In addition, on July 4, 2024, the company held a "Sustainability Workshop" at the Kertabumi Recycling Center to deepen participants' understanding of the tangible contribution to sustainable waste management.

Transparency and Sustainability Reporting

PT Pupuk Indonesia routinely publishes Sustainability Reports that can be accessed by the public through the company's official website. This report is prepared in accordance with Global Reporting Initiative (GRI) standards and meets OJK requirements, reflecting the company's transparency and accountability in delivering sustainability performance. For these efforts, the company received the Katadata Corporate Sustainability Awards (KCSA) 2023 award as a Governance Champion in the Chemicals category. This award was given because the company is considered to have a good Sustainability Report and is easily accessible to the public, as well as the implementation of good corporate governance (GCG) by paying attention to the principles of transparency, accountability, accountability, independence, and fairness.

CONCLUSION

Based on an analysis of official documents, including sustainability reports and corporate publications, PT Pupuk Indonesia demonstrates a strong commitment to the implementation of SDG 12 on responsible consumption and production. The company has ISO 14001 certification across all its subsidiaries and achieved a Green to Gold PROPER rating from the Ministry of Environment and Forestry, reflecting compliance with national and international environmental standards. The decarbonization roadmap towards Net Zero Emissions 2060 has been prepared as a long-term strategic step. In waste management, the 3R principle is actively applied, accompanied by public education through programs such as "Waste Processing from Home." Transparency is strengthened through sustainability reporting according to GRI standards and recognition of good governance practices (GCG). These efforts demonstrate a strategic and comprehensive approach in support of SDG 12. However, strengthening environmentally friendly technology innovations and cross-functional synergies within the company is still needed to encourage more sustainable industrial transformation.

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