

Implementation of the Go Green Concept in the Education System

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Article history

Submitted: 2023/04/06; Revised: 2023/05/14; Accepted: 2023/06/12

Abstract

In this modern era, the biggest challenge facing humans is how to achieve sustainable development and maintain environmental balance. Awareness of the importance of environmental conservation is increasing in various sectors, and education is no exception. This research aims to conceptualize the Implementation of the Go Green Concept in the Education System. This research is a type of literature review. Data sharing with documentation from Google School about education and going green. Data analysis using Systematic Literature Review. The result of implementing the Go Green concept in the education system is a positive step to support environmental sustainability and create environmental awareness from an early age. By integrating environmentally friendly practices into daily activities in the school environment, such as using renewable energy, waste management, and planting trees, students can learn about responsibility towards the natural environment.

Keywords

concept; go green; education system



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INTRODUCTION

In this modern era, the biggest challenge facing humans is how to achieve sustainable development and maintain environmental balance. Awareness of the importance of environmental conservation is increasing in various sectors, and education is no exception. The education system has a key role in forming a generation that cares about the environment and is able to face increasingly complex environmental challenges. Therefore, implementing the "Go Green" concept in the education system is a strategic step to create a sustainable learning environment and educate students to become agents of change who are responsible for the earth (Hsiao et al., 2014).

Climate change, decreased air quality and other environmental damage are the impacts of unsustainable human activities. A learning environment that is less concerned about these negative impacts can create a generation that is less aware of their responsibilities towards the environment. Therefore, implementing the "Go Green" concept in the education system is important to change the paradigm and create a learning environment that supports sustainability (Kamis et al., 2017).

The concept of "Go Green" is not only limited to the use of renewable energy or reducing waste, but includes a deep understanding of the relationship between humans and the environment. In an educational context, "Go Green" teaches the values of sustainability, environmental responsibility, and awareness of the impact of every action on the ecosystem. Education based on "Go Green" shapes students' mindset to respect nature, minimize their ecological footprint, and become future leaders who are committed to sustainability (Riandi et al., 2022).

Implementation of the "Go Green" concept in the education system provides enormous benefits, both for the environment and students' personal development. First, reducing the environmental impact of school activities can create a cleaner and healthier environment, improving students' physical and mental well-being (Lucardie, 2014). Second, students involved in "Go Green"-based education can develop their critical thinking, creativity, and leadership skills through sustainable projects.

Despite its great benefits, implementing the "Go Green" concept in the education system is not without challenges. One of the main challenges is the lack of adequate resources and understanding of sustainability among educators (Malureanu et al., 2021). Therefore, full support is needed from schools, government and society to provide the necessary training and resources so that educators can integrate the "Go Green" concept into the curriculum and daily activities (Holst et al., 2020).

Implementation of the "Go Green" concept in the education system is a critical step towards forming a generation that is environmentally conscious and able to face complex global challenges. By incorporating sustainability values into the curriculum and creating a sustainable learning environment, the education system can become an agent of positive change in protecting and preserving our environment.

METHODS

This research is a type of literature review. Data sharing with documentation from Google School about education and going green. Data analysis using Systematic Literature Review. Systematic Literature Review (SLR) is a systematic and structured research method for collecting, evaluating, and synthesizing relevant scientific literature in a particular research field. The main goal of SLR is to present a

comprehensive and objective picture of research that has been previously conducted in a particular domain or topic (Suryawanshi & Narkhede, 2013).

FINDINGS AND DISCUSSION

Environmentally Friendly Curriculum

Environmentally Friendly Curriculum is an approach in the world of education that aims to align the learning process with the values of sustainability and environmental preservation. Implementation of this curriculum involves a series of steps designed to increase students' understanding and awareness of environmental issues and encourage them to develop behavior and actions that support the sustainability of the earth.

One of the main aspects of the Environmentally Friendly Curriculum is the development of a curriculum that includes material related to sustainability and the environment. At elementary school level, this material can cover basic knowledge about ecosystems, the importance of biodiversity, and life cycle concepts. At the secondary school level, the curriculum can involve a deeper understanding of the impact of human activity on the environment, global problems such as climate change, and the solutions that individuals and communities can adopt. Additionally, this curriculum can include practical skills, such as organic farming skills, recycling techniques, or how to manage water wisely. It aims to equip students with skills that they can apply in their daily lives to become positive contributors to the surrounding environment (Rajalakshmi et al., 2022).

The use of environmentally based learning materials is one of the key elements in implementing an Environmentally Friendly Curriculum. Teachers can choose educational textbooks, videos, or apps that not only provide information, but also inspire students to think critically about environmental challenges. This learning material can present real case studies, insights from environmental scientists, and practical solutions that students can implement.

Along with providing learning materials that focus on environmental issues, environmental management practices in the school environment are also an integral part of the Environmentally Friendly Curriculum (Stephenson, 2023). For example, schools can implement an effective waste management system, which involves recycling and reducing plastic waste. Students can be invited to actively participate in this activity, teaching them responsibility for the environment around them. Resource management such as energy and water is also a focus in implementing this curriculum. Schools can implement energy efficiency practices, such as using solar panels or energy-efficient lighting systems. Water use can also be optimized through the use of

water-saving technology and raising student awareness of the importance of water conservation (Jusuf et al., 2020).

Not only that, the Environmentally Friendly Curriculum also promotes active student participation and community involvement. Through participatory activities such as school gardens, environmental projects, and extracurricular activities focused on sustainability, students can experience first hand how concepts learned in class can be applied in real life. Community involvement not only includes parental participation, but also involves local residents, and environmental organizations. By forming strong partnerships, schools can expand their positive impact beyond the formal educational environment and create greater change in society. Lastly, in the era of modern technology, the Environmentally Friendly Curriculum also includes the use of technology and innovation in the learning process. The use of digital platforms to reduce paper use, the use of environmentally friendly technology, and innovation in school infrastructure design can support the creation of a sustainable learning environment.

Environmental Management Practices in Schools

Environmental Management Practices in Schools is a holistic approach that aims to reduce the negative impact of educational institutions on the surrounding environment. One of the main aspects of this practice is effective waste management. Schools can implement a recycling system that involves the entire school community, from students, teachers, to administrative staff. This program can include waste sorting, use of recycling bins, and education about the importance of proper waste management. Involving students in these activities not only creates awareness of the importance of recycling, but also teaches them responsibility towards the environment.

Apart from that, energy and water management is also an integral part of Environmental Management Practices in Schools. Schools can identify efficient ways of using energy, such as utilizing renewable energy sources such as solar panels (Rumere et al., 2022). Water saving programs can also be implemented by teaching students and staff to use water wisely and repairing leaks that may occur. This effort not only supports environmental sustainability, but also helps schools save operational costs that can be allocated to developing educational programs (Denan et al., 2017).

Environmental Management Practices in Schools can also include efforts to increase environmental awareness through special education programs. Schools can organize educational activities such as seminars, workshops or field trips that focus on

environmental and sustainability issues. By involving students in these activities, schools not only provide theoretical knowledge, but also provide in-depth practical experience.

Apart from that, environmental management in schools can also involve community participation and involvement. Schools can form partnerships with local environmental organizations or invite environmental experts to provide deeper understanding to students and the school community (Hamdi et al., 2022). This initiative will create a strong connection between the school and the surrounding community, creating greater support for environmental efforts (Gholami et al., 2020).

By consistently implementing Environmental Management Practices in Schools, an educational institution can become a model for sustainability and environmental awareness in society. In addition to educating future generations about the importance of caring for the environment, this practice also creates a positive learning environment and has a positive impact on the well-being of students and society.

Student Participation and Community Engagement

Student participation and community involvement play a crucial role in implementing the Go Green concept in the education system. At the student level, participatory education is central to creating in-depth awareness and skills regarding environmental issues. Participatory programs such as school gardens, environmental projects, and extracurricular activities focused on sustainability provide opportunities for students to directly engage in positive environmental action. Through these activities, students not only understand the impact of their behavior on the environment, but also develop the social responsibility and problem-solving skills necessary to support sustainability.

Meanwhile, community involvement is the main pillar in supporting sustainability efforts in the school environment. Inviting parents, local residents, and related parties to participate in the Go Green initiative helps build widespread awareness and support (Agustina et al., 2023). By engaging the community, schools can gain additional support in the form of resources, local knowledge, and partnerships with local environmental organizations. Collaboration with external parties can enrich students' learning experiences and help schools to achieve their sustainability goals (Gan et al., 2019).

Student participation and community involvement can also encourage positive attitudes towards the environment outside the school environment. Students who are actively involved in sustainability activities have the potential to become agents of change in their communities. They can share their knowledge with family and friends,

form environmentally conscious social networks, and encourage sustainable practices in their communities.

Additionally, student participation and community involvement can give schools the opportunity to respond more effectively to community needs and expectations. By listening to community views and aspirations, schools can adapt their Go Green programs to be more relevant and have a real impact in the local context. This creates a more holistic and effective educational environment, where sustainability is not just part of the curriculum, but is also manifested in daily practices and relationships with the surrounding community (Abdurahman et al., 2023). In this way, student participation and community involvement not only change the way education is viewed, but also create a solid foundation for positive transformation towards future sustainability (Putri & Pawestri, 2018).

Technology and Innovation

Technology and innovation play a key role in implementing the Go Green concept in the education system. The use of environmentally friendly technology is the basis for creating a sustainable learning environment. First of all, in the use of environmentally friendly technology, educational institutions can switch to digital solutions to reduce dependence on paper and printed materials. Digital learning platforms, e-books, and online tools can be used to reduce the carbon footprint and ecological impact of paper production and use. Additionally, the application of technology can facilitate distance learning, reduce the need for physical travel, and thereby reduce greenhouse gas emissions (Marable, 2014).

In addition, the integration of renewable energy technologies such as solar panels and wind turbines in school infrastructure can become a sustainable energy resource. By utilizing renewable energy sources, educational institutions can reduce their dependence on conventional energy sources which tend to have a negative impact on the environment. This implementation not only provides environmental benefits, but also provides students with real examples of energy sustainability.

Apart from the use of technology, innovation in school infrastructure is also an important part of the Go Green concept. Energy efficient building designs using recycled materials can reduce the carbon footprint of school construction and operations. Using smart technology to optimize energy use in school buildings can create a more efficient environment. Automatic lighting systems, energy-efficient water heaters and intelligent temperature management are examples of innovations in infrastructure that support sustainability (Chen et al., 2020).

The application of technology and innovation can also create a more interactive and enjoyable learning environment. The use of simulation technology and virtual reality can bring learning material about the environment and sustainability to a more interesting level for students. This innovation not only improves the quality of learning, but also helps students deeply understand the impact of their actions on the environment (Fissi et al., 2021).

CONCLUSION

Implementing the Go Green concept in the education system is a positive step to support environmental sustainability and create environmental awareness from an early age. By integrating environmentally friendly practices into daily activities in the school environment, such as using renewable energy, waste management, and planting trees, students can learn about responsibility towards the natural environment. Apart from that, implementing educational programs on environmental conservation also helps create a generation that cares about environmental issues, making schools a vehicle for character formation and ecological awareness for a more sustainable future.

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