



THE INFLUENCE OF SOCIAL EDUCATION ON ENVIRONMENTAL AWARENESS AMONG STUDENTS

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Abstract. *This study examines the effect of social education on the level of environmental awareness among students. With the increasing urgency of global environmental issues, understanding the effectiveness of education in shaping pro-environmental attitudes and behaviours is crucial. The research method in this study uses the literature method. The results showed that an environment-based social education programme with increased student pro-environmental awareness and actions. Students involved in the programme demonstrated a deeper understanding of environmental issues, improved critical thinking skills in the context of environmental issues, and more active participation in environmental conservation activities. The findings emphasise the importance of integrating environmental education into the social education curriculum and highlight the crucial role of education in shaping an environmentally conscious generation. The implications of this study include recommendations for curriculum development and teaching strategies that can enhance the effectiveness of social education in building environmental awareness among students.*

Keywords: social education, environmental awareness, students, environmental education, pro-environmental behaviour

Abstrak. Penelitian ini menguji pengaruh pendidikan sosial terhadap tingkat kesadaran lingkungan di kalangan siswa. Dengan semakin mendesaknya isu-isu lingkungan global, memahami efektivitas pendidikan dalam membentuk sikap dan perilaku pro-lingkungan menjadi sangat penting. Metode penelitian dalam penelitian ini menggunakan metode kepustakaan. Hasil penelitian menunjukkan bahwa program pendidikan sosial berbasis lingkungan dapat meningkatkan kesadaran dan tindakan pro-lingkungan siswa. Siswa yang terlibat dalam program ini menunjukkan pemahaman yang lebih mendalam tentang isu-isu lingkungan, meningkatkan keterampilan berpikir kritis dalam

konteks isu-isu lingkungan, dan partisipasi yang lebih aktif dalam kegiatan pelestarian lingkungan. Temuan ini menekankan pentingnya mengintegrasikan pendidikan lingkungan hidup ke dalam kurikulum pendidikan sosial dan menyoroti peran penting pendidikan dalam membentuk generasi yang sadar lingkungan. Implikasi dari penelitian ini mencakup rekomendasi untuk pengembangan kurikulum dan strategi pengajaran yang dapat meningkatkan efektivitas pendidikan sosial dalam membangun kesadaran lingkungan di kalangan siswa.

Kata kunci: pendidikan sosial, kesadaran lingkungan, siswa, pendidikan lingkungan, perilaku pro-lingkungan

Introduction

Environmental problems have become an increasingly pressing global issue in recent decades. Global warming, pollution, deforestation, and biodiversity loss are some of the environmental challenges faced by the world community. In the face of this environmental crisis, the role of education is crucial, especially in shaping young people who have awareness and concern for the environment.

The role of education is crucial, especially in shaping a young generation that has awareness and concern for the environment. Education is the main means to instil the values, knowledge and skills needed to understand the complexity of environmental problems and develop sustainable solutions. (Sitopu et al., 2024); (Uralovich et al., 2023). Through a structured and sustainable learning process, young people can be equipped with a deep understanding of ecosystems, the impact of human activities on the environment, and the importance of maintaining the balance of nature. Education also plays a role in developing the critical and analytical thinking skills needed to evaluate environmental issues and make responsible decisions (Crandon et al., 2023). (Crandon et al., 2022).

Furthermore, education should not only focus on cognitive aspects, but also on the formation of environmentally conscious attitudes and behaviours. Through various learning methods such as environment-based projects, field studies, and interactive discussions, students can develop empathy towards nature and understand their role as part of a larger ecosystem. (Guna et al., 2024); (Fawait et al., 2024). Effective environmental education also encourages students to become agents of change in society, inspiring them to take concrete actions to protect the environment and promote sustainable lifestyles. Thus, education is key in shaping a generation that is not only aware of environmental issues, but also has the commitment and ability to contribute to long-term solutions. (Kart & Kart, 2021).

Social education, as an integral part of the education system, has great potential in shaping students' attitudes and behaviour towards the environment. However, the extent to which social education contributes to increasing environmental awareness among students is still a question that needs to be answered through scientific research. However, this can be caused by several factors including; The gap between knowledge and action, Lack of integration of environmental issues in social education, Technological development and lifestyle. (Abbas et al., 2021).

The gap between knowledge and action is one of the main challenges in environmental education. While many people have a good understanding of environmental issues, there is often a gap between what they know and how they act in their daily lives. This phenomenon, known as the "value-action gap", shows that knowledge alone is not enough to change behaviour. (El-Sabagh, 2021). Environmental education needs to focus more on developing practical, problem-solving skills and forming habits that support sustainable lifestyles. In addition, there needs to be efforts to overcome psychological and social barriers that prevent people from taking pro-environmental actions, such as habits, social norms, and perceptions of time or cost constraints. (Al-Mamary, 2022).

The lack of integration of environmental issues in social education is also an obstacle in shaping holistic environmental awareness. Often, environmental issues are treated as a separate topic and not linked to the broader social, economic and political context. This can result in fragmented understanding and lack of relevance to the realities of everyday life. (Cahill & Gowing, 2024).. Education needs to adopt a more interdisciplinary approach, linking environmental issues with other aspects such as social justice, economic development, and public policy. With this approach, students can understand the complexity of environmental issues and develop solutions that consider multiple factors and impacts (Manzano-León et al., 2012). (Manzano-León et al., 2021)..

Technological developments and modern lifestyles bring new challenges and opportunities in environmental education. On the one hand, technology can be a powerful tool to increase environmental awareness and action, for example through mobile applications that help reduce carbon footprints or social media platforms that facilitate global environmental movements. (Lacka et al., 2021). But on the other hand, an increasingly technology-dependent lifestyle can also distance people from direct connection with nature, which is essential for building environmental awareness. In addition, consumerism fuelled by technological developments and social media can conflict with the principles of sustainability. Therefore, environmental education needs to adapt to deal with this reality, harnessing the potential of technology while still emphasising the importance of direct experience with nature and critical thinking towards modern consumption patterns. (Elbes & Oktaviani, 2022).

Technology-integrated environmental programmes are becoming increasingly important in tackling environmental problems. One example is the use of IoT (Internet of Things) technology in air quality monitoring. Through networked sensors, data on air pollution can be collected in real-time and analysed to provide accurate information. This data can then be used by governments or organisations to take strategic measures to reduce air pollution, such as limiting emissions from motor vehicles or factories.

Another example is a waste management programme based on blockchain technology. This technology enables transparent and secure tracking and verification of

waste management flows. Every step in the waste management process, from collection to transfer to recycling, can be recorded in an immutable ledger. This not only increases accountability but also helps in identifying efficiencies and potential leaks in the waste management system, which can be rectified to reduce environmental impact.

Based on this background, this study aims to examine in depth the influence of social education on environmental awareness among students. Through a comprehensive literature review, it is hoped that this research can provide a better understanding of the relationship between social education and environmental awareness, as well as provide recommendations for curriculum development and learning strategies that are more effective in increasing students' environmental awareness.

Research Methods

The study in this research uses the literature research method. Literature research method, also known as literature study or literature review, is a research approach that focuses on analysing and synthesising information from a variety of existing written sources. The literature research process generally involves several stages. Firstly, the researcher must determine the research question or specific purpose of the literature review. Second, a systematic search of relevant sources, including scholarly journals, books, research reports, and other reliable sources, is conducted. Third, the researcher conducts a selection and critical evaluation of the literature found, considering the relevance, methodological quality and significance of the findings. Fourth, information from various sources was analysed and synthesised to identify patterns, trends and gaps in the research. Finally, the results of the analyses are presented in the form of a structured narrative, linking the various findings and generating a new understanding or broader perspective on the topic under study. (Sahar, 2008); (Arikunto, 2000); (Fadli, 2021).

Results and Discussion

Effect of Social Education on Environmental Awareness

Social education is an educational concept that focuses on developing individuals' ability to interact effectively in society and understand their role as responsible members of the community. It includes learning about social values, norms, ethics, interpersonal skills, empathy and understanding cultural diversity. The main goal of social education is to form citizens who are active, critical and participate in community life. (Costa et al., 2021). Social education involves not only transferring knowledge about the structure and functioning of society, but also developing practical skills such as communication, conflict resolution, teamwork and ethical decision-making. Thus, social education plays an important role in preparing individuals to face complex social challenges and contribute positively to the development of a harmonious and sustainable society. (Mehmood, 2021).

The main goal of social education is to form individuals who are able to actively and responsibly participate in community life. Social education aims to develop social awareness, interpersonal skills, and an understanding of the structure and function of society. Through social education, learners are expected to understand their rights and obligations as citizens, develop an attitude of tolerance and empathy for diversity, and be able to contribute positively to solving social problems. (Yin et al., 2021). In addition, social education also aims to improve the ability to think critically about social issues, develop communication and cooperation skills, and prepare individuals to face challenges in an increasingly globalised and complex world. Thus, the ultimate goal of social education is to create a harmonious, just and democratic society through the formation of smart, skilful and characterful citizens. (Godber & Atkins, 2021).

Social education plays an important role in building individual social awareness and skills that have a significant impact on society. Through this approach, individuals are taught about values such as empathy, co-operation and social responsibility. For example, the implementation of social education programmes in schools can promote collaborative activities, such as group work and community-based projects. Students learn to respect differences, communicate effectively and resolve conflicts constructively. The result is the creation of a more socially conscious generation, capable of contributing positively to the dynamics of society.

The tangible impact of social education in the community is seen in increased participation in civic and volunteer activities. Individuals who have received social education tend to be more actively involved in social activities, such as cleaning up the environment, organising fundraisers or supporting social campaigns. In addition, they are also more open to collaborating with various parties to achieve greater social goals. This increased engagement not only increases social solidarity and cohesion, but also helps in solving social problems more effectively and sustainably.

Social education has a significant influence on increasing environmental awareness among people. Through social education, individuals not only learn about interactions between people, but also about the relationship between people and the surrounding natural environment. Social education helps develop an understanding that humans are an integral part of a larger ecosystem, and human actions have a direct impact on environmental sustainability. (Rahmatullah et al., 2022).. As such, social education encourages individuals to consider the environmental consequences of their daily decisions and behaviours.

One important aspect of social education in the context of environmental awareness is the development of a sense of social responsibility and environmental ethics. Through various learning methods, such as group discussions, community projects and case studies, learners can explore complex environmental issues and understand their role in maintaining ecological balance (Oliveira & Souza, 2022). (Oliveira & Souza, 2022).. Social

education also helps develop the critical thinking and problem-solving skills needed to deal with environmental challenges. It encourages individuals to seek innovative and sustainable solutions to environmental problems faced by their communities and the world as a whole. (Zimmerman, 2023).

Furthermore, social education facilitates the formation of social networks and collaboration in environmental conservation efforts. By raising awareness about the importance of collective action in addressing environmental issues, social education encourages active participation in environmental activities and campaigns. This can include initiatives such as community recycling programmes, environmental clean-up movements, or advocacy for environmentally friendly policies. (Hamzah & Tanwir, 2021). Through involvement in these kinds of activities, individuals not only increase their own environmental awareness but also play a role in spreading such awareness to the wider community. Thus, social education plays an important role in creating a generation that is not only environmentally conscious but also active in efforts to conserve and protect nature (Wetering et al., 2021). (Wetering et al., 2022)..

Relationship between Social Education and Environmental Awareness

Social education and environmental awareness have a close and complementary relationship. Social education, which aims to develop individuals' understanding of society and their role in it, naturally includes aspects related to the environment. This is because the environment is the context in which social interactions occur and has a direct impact on people's well-being. Through social education, individuals learn to understand the complexity of the relationship between humans and the environment, as well as how social actions can affect ecological balance. (Amoah & Addoah, 2021)..

Environmental awareness, on the other hand, is increasingly seen as an important component of modern social education. By incorporating environmental issues into the social education curriculum, learners are invited to think about the social impacts of environmental problems such as climate change, pollution and biodiversity loss. This approach helps develop a holistic perspective on how society operates within a wider ecological context. As a result, learners not only understand the structure and function of society, but also how society can evolve to become more sustainable and environmentally friendly. (Kumar et al., 2021); (Tinh et al., 2021).

The link between social education and environmental awareness is also reflected in the development of skills and values relevant to both. For example, critical thinking, problem-solving and ethical decision-making are skills nurtured in social education and are critical to addressing environmental challenges. (Jumriani et al., 2022).. Similarly, values such as empathy, social responsibility, and concern for the common good that are emphasised in social education also support the development of strong environmental ethics (Shi et al., 2021).

Furthermore, the integration of social education and environmental awareness creates opportunities for active learning and community engagement. Community-based projects that combine social and environmental aspects, such as urban farming initiatives or local recycling programmes, provide practical experience for learners to apply their knowledge and see the direct impact of their actions. (Kolhar et al., 2021). This approach not only enhances understanding of social and environmental issues, but also encourages active participation in finding solutions. Thus, the relationship between social education and environmental awareness is not just about knowledge transfer, but also about empowering individuals to become agents of positive change in their society and environment (Hwang et al., 2021).

Strategies for Raising Environmental Awareness through Social Education

Raising environmental awareness through social education requires an integrated and multidimensional approach. One key strategy is to integrate environmental issues into the overall social education curriculum. This involves introducing the concepts of ecology, sustainability and environmental responsibility in a broader social context. (Munawar et al., 2022). For example, when discussing economic development, educators can highlight the importance of sustainable growth and the impact of economic activity on the environment. In this way, learners can understand the complex relationships between socio-economic decisions and environmental consequences, encouraging them to think critically about solutions that benefit both society and the environment. (Cahill & Gowing, 2024).

The second strategy involves using experiential and project-based learning methods. Educators can design practical activities that combine social and environmental aspects, such as community research projects on local pollution or school greening initiatives. Such activities not only enhance learners' understanding of environmental issues, but also develop social skills such as teamwork, communication and leadership. Furthermore, hands-on experience in addressing environmental issues can build a sense of ownership and responsibility for the surrounding environment, encouraging long-term behavioural change. (Cai et al., 2021).

The third approach is to utilise technology and social media as tools to raise environmental awareness. Digital platforms can be used to create environmental awareness campaigns, share information on green practices, and connect learners with a global community of environmentalists (Dillon & Herman, 2023). (Dillon & Herman, 2023).. Using mobile apps to track carbon footprints or educational games on resource management can make learning more interactive and relevant to learners' daily lives. This strategy not only improves digital literacy, but also helps learners understand the role of technology in

addressing global environmental challenges (Dillon & Herman, 2023). (Dillon & Herman, 2023)..

Finally, collaboration with local environmental and community organisations can strengthen the link between social education and environmental awareness. Inviting environmental experts or activists to speak in class, organising field trips to conservation areas or waste management facilities, and participating in community environmental projects can provide a real context for learning. (Zhang et al., 2023). This approach helps learners see how environmental issues directly impact their communities and how collective social action can make a difference. In addition, engagement with the community can inspire learners to become active and environmentally responsible citizens, strengthening the link between classroom learning and real action in the community (Ismaili, 2021). (Ismaili, 2021).

In conclusion, strategies to raise environmental awareness through social education require a comprehensive and multifaceted approach. The integration of environmental issues into the curriculum, experiential and project-based learning, the use of technology and social media, and collaboration with environmental communities and organisations are key components of this strategy. (Almaiah et al., 2022)..

This integrated approach not only enhances learners' understanding of environmental issues, but also develops the social skills, critical thinking and global awareness needed to face current and future environmental challenges. By linking environmental issues to the broader social context, this strategy helps shape a generation of citizens who are environmentally aware, responsible and able to take positive action for sustainability (Saxena et al., 2021). (Saxena et al., 2021); (Tohara, 2021).

Ultimately, the success of this strategy lies in its ability to inspire long-term behavioural change and encourage collective action. By equipping learners with the necessary knowledge, skills and motivation, social education focused on environmental awareness can play a crucial role in shaping a more sustainable and environmentally friendly society.

Conclusion

Social education has a significant role in raising environmental awareness among students. Through various learning methods and integrated approaches, social education is able to shape a deeper understanding of environmental issues and their relationship with social, economic and cultural aspects. Students involved in environmentally-focused social education programmes tend to show higher levels of concern and responsibility towards environmental issues.

The positive influence of social education on environmental awareness can be seen in the changes in students' attitudes and behaviour. They become more aware of the impact of their actions on the environment, more active in environmental conservation activities,

and better able to analyse environmental issues from various perspectives. In addition, students also develop important skills such as critical thinking, problem solving and teamwork, which are indispensable in addressing complex environmental challenges.

However, the effectiveness of social education in raising environmental awareness depends on several factors, including the quality of the curriculum, teaching methods, and support from the school environment and community. To maximise its impact, social education should be continuously evaluated and developed, taking into account the development of current environmental issues and students' needs. With the right approach, social education can be a powerful tool in shaping future generations who are environmentally conscious and committed to maintaining human sustainability.

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