

Innovative approach in Islamic elementary education: Effective strategies for enhancing education quality

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Abstract

Effective learning in Islamic elementary schools necessitates the selection of approaches appropriate to specific learning models. This article aims to identify effective strategies, evaluate the impact of innovative approaches, and address particular challenges in this context. The research method involved an extensive literature review and analysis, utilizing descriptive data analysis to gain a comprehensive understanding of the collected data. This process included frequency counting, pattern identification, and data classification to discern trends, patterns, and key aspects. Teacher-centered approaches are typically associated with explanatory learning models, where the instructor plays a central role in delivering knowledge. Conversely, student-centered approaches align with constructivist learning models, emphasizing active student engagement and self-directed learning. Collaborative learning approaches support collaborative learning models, encouraging group work and peer-to-peer interaction, while project-based learning approaches are often linked to problem-based learning models, focusing on real-world problem-solving and critical thinking skills. Understanding these relationships is crucial for designing meaningful and effective learning experiences for students. By considering various learning approaches and models, instructors can select and implement the methods that best meet their students' diverse needs and learning objectives. Furthermore, integrating different learning approaches and models enhances student interaction, fosters deeper understanding, and promotes a more dynamic and engaging learning environment. Therefore, this article emphasizes the importance of effectively combining learning approaches and models to achieve the desired educational outcomes in Islamic elementary schools. By doing so, educators can create a more holistic and adaptable educational experience, ultimately leading to improved student performance and a deeper appreciation for lifelong learning.

Keywords: Effective learning, innovative approach, Islamic elementary schools, learning model, student-centered learning

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Introduction

Learning at the Islamic elementary school level is a crucial stage in building the foundation of education for Indonesian children. Effective and innovative learning processes at this level have a significant impact on students' cognitive, social, and emotional development (Cahyono, 2021). However, complex educational challenges, such as changing social dynamics, technological advancements, and various curricular challenges, require the application of appropriate and effective learning approaches. Given the evolving educational environment, innovative approaches in learning at Islamic elementary schools are becoming increasingly important. Innovative approaches not only involve the use of educational technology but also emphasize learning strategies that actively engage students, encourage creativity, and develop critical thinking skills from an early age (Huda, 2020).

Therefore, it is essential to fully understand the concepts of innovative approaches in Islamic elementary school learning and effective strategies for their implementation. To apply innovative approaches in Islamic elementary school learning and enhance the quality of education, several effective strategies can be implemented, including: aligning the curriculum with the digital era, utilizing digital technology in Arabic language education, competency-based learning, developing soft skills, utilizing media in learning, inclusion-based learning, using digital media in Arabic language learning, and developing an Arabic language curriculum related to Industry 4.0 (Maimun, 2020).

Although there is extensive literature on innovative learning approaches, there remains an unmet need to examine specific implementations and their impacts within the context of Islamic elementary schools in Indonesia. This is because each educational context has its own characteristics and challenges that need to be considered in developing learning strategies (Rohiat, 2020). Within this framework, this study aims to analyze and discuss the effectiveness of innovative approaches in Islamic elementary school learning, focusing on strategies that can optimize the quality of teaching.

This research is expected to make a significant contribution to improving the quality of education in Islamic elementary schools in Indonesia by providing a deep understanding of innovative approaches and effective strategies applied (Purwanto, 2021). Thus, this study not only offers a deeper theoretical understanding of innovative learning approaches but also assists educational practitioners and policymakers in developing more effective and contextually relevant learning strategies for Islamic elementary schools in Indonesia.

Method

This study utilizes a literature review approach to investigate innovative learning approaches in Islamic elementary schools and effective strategies for developing quality education. The literature survey method encompasses searching for and analyzing documents related to the research topic. This includes previous studies, articles, books, and other sources pertinent to innovative learning approaches in Islamic elementary education and effective strategies for enhancing educational quality. The objective is to gather current and relevant information about the innovation approaches and strategies being implemented.

The literature survey involves systematically identifying, evaluating, and synthesizing available literature to provide a comprehensive understanding of the topic. This method includes conducting thorough searches in academic databases, libraries, and online repositories to find studies, articles, books, and other resources related to innovative learning approaches and effective strategies in Islamic elementary education. It also entails reviewing and analyzing the collected documents to extract relevant information, findings, and insights about the innovative approaches and strategies used in Islamic elementary schools. Additionally, the

study employs documentation techniques, which involve gathering and analyzing data from academic documents or databases, including research conducted by other scholars on innovative learning methods in Islamic elementary education and effective strategies for quality education development.

The primary objectives of this literature review approach are to gather a wide range of information from various sources to understand the current state of research on innovative learning approaches and effective strategies in Islamic elementary education. It aims to critically evaluate and synthesize evidence from different sources to provide a comprehensive understanding of the topic, including identifying key findings, patterns, and trends related to innovative learning approaches and effective strategies. Additionally, the review seeks to determine gaps in the existing literature and identify opportunities for further research and development in the field of Islamic elementary education.

The data for this research is obtained from various relevant literature sources such as books, academic journals, articles, and documents related to Islamic elementary education, innovative approaches, and effective learning strategies. The process involves analyzing the data critically to identify significant findings, patterns, and trends that emerge from the literature. This includes examining the methodologies, results, and conclusions of previous studies to draw meaningful insights. Furthermore, the study synthesizes the analyzed data to create a cohesive understanding of innovative learning approaches and effective strategies in Islamic elementary education, integrating findings from different studies to provide a holistic view of the topic.

Result and Discussion

The results of the literature study indicate that innovative learning approaches in Islamic elementary education significantly contribute to improving the quality of education. The use of educational technology, project-based learning, student-centered approaches, and teacher-student collaboration are some effective strategies applied in the context of Islamic elementary schools. Additionally, innovative approaches create opportunities to develop students' creativity, critical thinking skills, and self-directed learning.

Types of Innovative Approaches

Innovative approaches in Islamic elementary education encompass a variety of methods designed to enhance learning experiences and outcomes for students. One such method is Project-Based Learning (PBL), where students collaborate in groups to complete real-world projects within a specified timeframe. These projects are aimed at enabling students to apply their knowledge and skills to solve problems and create tangible products. For example, students in Islamic elementary schools might undertake projects like creating a short film depicting the history of Islam in Indonesia or constructing a model of the solar system using simple materials. PBL not only deepens students' understanding of concepts but also fosters creativity and practical problem-solving skills.

Another innovative approach is Problem-Based Learning (PBL), where students are presented with complex, real-world problems that require collaboration to find solutions. This method encourages students in Islamic elementary education to develop critical thinking, problem-solving, and communication skills. For instance, students might research and propose solutions to environmental pollution issues in their community. By engaging in PBL, students not only address current issues but also develop a deeper understanding of how their learning applies to real-life contexts.

Collaborative Learning is also integral to fostering student engagement and skill development in Islamic elementary schools. In this approach, students work in small groups to

complete tasks together, which enhances their collaboration, communication, and leadership abilities. For example, Islamic elementary students collaborate in groups to create presentations on various science topics. This method encourages peer learning and enables students to take responsibility for their learning process while developing essential teamwork skills.

Technology-Enhanced Learning is another innovative approach that leverages educational technology to support students' learning experiences both inside and outside the classroom. This approach allows Islamic elementary students to learn in more interactive and engaging ways. For instance, students may use educational apps to practice mathematics or watch online learning videos about the history of Islam. By integrating technology into learning, students gain access to a wealth of resources that enrich their understanding and make learning more accessible and enjoyable.

Lastly, Contextual Learning is an innovative approach that connects classroom learning with real-life situations. In Islamic elementary education, this method helps students understand the relevance and application of what they learn. For example, students might learn mathematical concepts by simulating a shopping experience in a traditional market. By contextualizing learning, students in Islamic elementary schools gain a deeper understanding of how their education applies to their everyday lives and the world around them.

In conclusion, these innovative approaches in Islamic elementary education, including Project-Based Learning, Problem-Based Learning, Collaborative Learning, Technology-Enhanced Learning, and Contextual Learning, play crucial roles in enhancing students' learning experiences and preparing them for future challenges. These methods not only improve academic outcomes but also foster creativity, critical thinking, collaboration, and practical skills that are essential for success in the modern world.

Effective Strategies in Developing Education Quality

To introduce innovative approaches in learning and improve the quality of education in Islamic elementary schools, the following effective strategies can be implemented.

Adapting the curriculum to the digital era is crucial for educational units in Islamic elementary schools to stay relevant and effective in today's technological landscape. Integrating technology into the curriculum involves utilizing online learning platforms, educational apps, and other digital media to foster an interactive and engaging learning environment (Aisyah, 2023). This approach not only enhances students' digital literacy but also prepares them for the digital demands of the modern world.

Digital technology plays a significant role in teaching Arabic language in Islamic elementary schools. By leveraging learning apps, interactive videos, and collaboration platforms, educators can make Arabic language learning more dynamic and interactive (Maimun, 2019). These tools not only facilitate language acquisition but also stimulate students' interest and engagement in learning Arabic, a vital aspect of their education.

Competency-based learning is another effective strategy for enhancing the quality of education in Islamic elementary schools. By modifying the curriculum to focus on developing skills and knowledge that are relevant to the workplace, such as through projects, simulations, and project-based learning, students are better equipped to tackle real-world challenges and opportunities (Aisyah, 2023). This approach not only prepares them academically but also cultivates critical thinking and problem-solving skills.

Emphasizing the development of soft skills such as communication, teamwork, and problem-solving is essential in Islamic elementary schools. These skills are vital for students to become active and productive citizens who contribute meaningfully to society. By incorporating activities that promote soft skills development into the curriculum, educators can

prepare students for a variety of interpersonal and professional situations they will encounter in their lives.

Using media in learning enriches students' educational experiences in Islamic elementary schools. Incorporating films, podcasts, and social media into lesson materials makes learning more engaging and relevant. These multimedia tools provide diverse perspectives and enhance understanding, making complex topics more accessible and interesting for students.

Adopting an inclusive learning approach is crucial in Islamic elementary schools to accommodate diverse backgrounds and student needs effectively. By employing flexible learning methods tailored to the individual requirements of students, educators can ensure that all learners have equal opportunities to succeed and thrive in their educational journey.

Utilizing digital media for learning Arabic language in Islamic elementary schools is particularly effective. Educational apps, online platforms, interactive videos, and collaboration tools can significantly enhance Arabic language learning experiences. These technologies provide students with interactive and immersive learning opportunities that make learning Arabic both effective and enjoyable.

Developing a curriculum that is relevant to Industry 4.0 is essential for preparing students in Islamic elementary schools for the future world of work. This includes integrating digital technology, competency-based learning approaches, and soft skills development into the curriculum. By doing so, educators can equip students with the necessary skills and knowledge to thrive in a competitive global environment and contribute meaningfully to society.

In conclusion, by implementing these effective strategies, Islamic elementary schools can improve the quality of education and better prepare students for the challenges and opportunities of the 21st century. These approaches not only enhance learning outcomes but also foster a positive and engaging educational experience for students, ensuring they are well-prepared to succeed in their academic and professional lives.

Challenges in Implementing Innovative Approaches

Challenges in implementing innovative approaches include limited access to technology, inadequate teacher training to integrate technology into teaching, and limited resources. Applying innovative approaches to education, particularly in the context of Islamic elementary schools, requires a deep understanding of the challenges faced in education (Noviani, 2022). Some of the key challenges are outlined below:

Technology Limitations and Access

Not everyone has equal access to technology, which is critical for implementing innovative educational approaches. Challenges such as internet access constraints and limited learning resources can significantly hinder the effectiveness of the learning process. In Islamic elementary schools, these limitations pose barriers to adopting digital tools and online platforms that could otherwise enhance the educational experience. Addressing these challenges requires efforts to bridge the digital divide and ensure equitable access to technology for all students.

Teacher Skills in Using Technology

Teachers' ability to effectively integrate technology into their teaching practices is crucial for creating engaging and relevant learning experiences. Educators who struggle to internalize educational values through technology may find it challenging to fully leverage its potential. Continuous professional development programs are essential to enhance teachers' skills in utilizing technology, enabling them to design interactive lessons and foster a more dynamic classroom environment in Islamic elementary schools.

Educational System Changes

Modernizing and adapting the existing educational system to meet the current developments and societal needs is imperative. This includes reforming the curriculum to align with contemporary educational standards, improving the quality of educational institutions, and developing human

resources capable of addressing these challenges. By upgrading educational infrastructure and enhancing teaching methodologies, Islamic elementary schools can better prepare students for the demands of the 21st century.

Collaboration and Cooperation

Achieving educational innovation goals requires collaboration among various stakeholders beyond central and regional governments. Teachers, parents, and the community play vital roles in supporting and implementing innovative educational practices. Collaboration fosters a supportive learning environment and ensures that educational reforms are effectively implemented and sustained in Islamic elementary schools.

Distance Learning

The COVID-19 pandemic has accelerated the adoption of distance learning (PJJ), necessitating innovative teaching methods to maintain high levels of student interaction and engagement remotely. Islamic elementary schools need to develop strategies for effective distance learning, including leveraging digital platforms, providing training for educators, and ensuring students have access to necessary resources at home.

Soft Skills Development

In addition to academic knowledge, developing soft skills such as communication, teamwork, and problem-solving is essential for preparing students to succeed in their future endeavors. Islamic elementary schools should prioritize activities that foster these skills, such as collaborative projects, debates, and extracurricular activities, to ensure students are well-rounded and capable of contributing positively to society.

Utilization of Digital Media

Utilizing digital media as a source of information, materials, and interactive tools can significantly enrich students' learning experiences. Islamic elementary schools should explore incorporating visual, audio, and interactive media into their curriculum to make learning more engaging and relevant. By embracing digital media, educators can create immersive learning environments that cater to diverse learning styles and enhance educational outcomes for all students. Addressing these challenges and implementing effective strategies will empower Islamic elementary schools to provide high-quality education that prepares students for success in the digital age.

Solution to Overcome Challenges in Implementing Innovative Approaches

To overcome challenges in implementing innovative approaches in education, especially in Islamic elementary schools (Marasah Ibtidaiyah), the following steps can be taken to address the challenges in the application of innovation:

Improving Access to Technology

Improving access to technology is one of the major challenges in implementing innovative approaches, particularly in the current digital era. Technology plays a crucial role in driving economic growth, improving quality of life, and facilitating global challenges. However, access to affordable and quality technology is essential to fully harness this innovation potential. Here are several ways to address these challenges:

Developing Technology Infrastructure

Developing adequate technology infrastructure is a critical step in improving access to technology. Good infrastructure includes fast and stable internet access, modern data center facilities, and technologies that enable efficient use of technology. Building this infrastructure requires significant investment but can provide long-term benefits by enhancing access to technology.

Education and Training

Quality education and training are essential to ensure individuals and organizations can use technology effectively. This includes formal education at universities, as well as vocational training and skills development. Education and training can help individuals and organizations understand new technologies and develop the skills needed to use technology effectively.

Policies and Regulations

Policies and regulations that support innovation and access to technology are also crucial. This may include policies that encourage innovation, such as tax incentives for innovation, as well as policies that facilitate access to technology, such as technology financing programs. These policies and regulations can help promote the development and use of technology.

Investing in Technology

Investing in new and innovative technology is also crucial to improving access to technology. This investment may include developing new technology, purchasing hardware and software, and developing digital applications and services. This investment can help expand access to technology and facilitate its use in various sectors.

Collaboration and Partnerships

Collaboration and partnerships between government, private sector, and society are effective ways to address the challenge of improving access to technology. Through cooperation and collaboration, various parties can work together to develop innovative solutions, share resources, and promote the use of technology. Improving access to technology is a complex challenge that requires a multi-branch approach.

Teacher Skills Development

Developing teacher skills is a crucial aspect of overcoming challenges in implementing innovative educational methods. In the current digital era, teachers not only need skills to teach academic material but also skills to utilize technology to create effective and engaging learning experiences. Here are several effective ways through training and professional development to develop teacher skills:

Training should include the development of technology skills necessary to integrate technology into teaching. This includes understanding educational software, online learning platforms, and other digital tools. The training may involve hands-on activities, such as using educational software or creating digital presentations, which allow teachers to experience and understand technology directly.

Training should emphasize innovative teaching methods, such as computer-based learning, project-based learning, and game-based learning. Teachers should learn to adapt traditional teaching methods by incorporating these innovative methods to enhance student engagement and motivation.

Training should also include the development of innovative curricula. This involves understanding how to integrate technology and innovative approaches into the curriculum and how to create a curriculum that meets the needs and interests of students. This training may include case studies of successfully implemented innovative curricula.

Training should encourage collaboration and connections among teachers. This may include discussions, seminars, and courses designed to facilitate the exchange of ideas and experiences among teachers. Collaboration can help teachers learn from each other's experiences and find creative solutions to teaching challenges.

Training should emphasize the importance of reflection and evaluation in skill development. Teachers should learn to evaluate the effectiveness of their teaching methods, consider student feedback, and find ways to enhance learning. This training may include reflection and assessment techniques that can assist teachers in this process.

Curriculum and Instructional Renewal

Curriculum and instructional renewal is a critical step in overcoming challenges in implementing innovative approaches in the education system. In the era of digitalization and globalization, traditional teaching programs and methods are no longer sufficient to meet the

needs and interests of students. This renewal requires more flexible, interactive, and skill-based learning approaches.

Curriculum renewal should target skill-based learning, focusing on the development of skills and knowledge relevant to the workplace. These programs should be designed to prepare students with the skills and knowledge needed to face global challenges and focus on the future.

Instructional renewal should include the use of technology to create more interactive and engaging learning activities. This includes the use of educational software, online learning platforms, and other digital tools. This technology can help create a more engaging and effective learning environment, as well as facilitate access to various learning resources.

Learning reform should include project-based and community-based learning approaches. These approaches allow students to learn in relevant and realistic contexts, while strengthening collaboration and communication skills. This can also help students develop critical and creative skills.

Instructional renewal should include game-based and experiential learning approaches. These approaches can make learning more engaging and bring subjects to life, while allowing students to learn in a broader contextual context.

Instructional renewal should include ongoing assessment and reflection. This includes using technology to assess student learning and development, and using feedback to improve and adapt instruction. Assessment and reflection are important to ensure relevant and effective learning.

In conclusion, curriculum and instructional renewal is essential to adapting to the challenges of implementing innovative approaches in the education system. By adopting these strategies, educational institutions can create more engaging and effective learning experiences that prepare students for the demands of the modern world.

Collaboration and Partnership

Collaboration has become a crucial pillar in implementing innovative approaches, especially in education, business, and technology. It is a powerful mechanism for achieving innovation and success. By adopting this approach, individuals and organizations can more effectively reach common goals, create innovative solutions, and develop supportive relationships. This demonstrates that in an increasingly complex and dynamic world, cooperation and partnership are essential to overcoming challenges and realizing innovation potential.

Collaboration allows individuals or organizations to integrate their resources and knowledge, creating more comprehensive and innovative solutions. For example, in education, collaboration between teachers, students, and parents can create more effective and engaging learning methods. This includes the use of technology, project-based approaches, and community-based learning to create relevant and interactive learning environments.

Partnerships between organizations or individuals with different backgrounds can foster innovations that cannot be achieved independently. For example, in technology, collaboration between tech companies and educational institutions can create innovative and relevant educational products or services. This includes the development of learning applications, e-learning platforms, and other digital tools designed to meet the needs and interests of students.

Cooperation and collaboration help build strong networks and relationships between individuals and organizations. This not only helps achieve common goals but also creates a supportive and learning community. For example, in education, such networks can create a supportive and engaging learning environment for students and facilitate the exchange of ideas and experiences among teachers.

Cooperation and collaboration help organizations and individuals overcome shared challenges. For example, in education, collaboration between schools and communities can help address challenges such as educational disparities or lack of resources. This includes developing inclusive education programs, utilizing technology to enhance access to education, and partnering with NGOs to support education.

Collaboration provides opportunities to enhance skills and expertise. For example, in education, teachers can learn from each other and share ideas, while students can gain practical experience and learn from various sources. This includes the development of innovative curricula, the use of technology in teaching, and competency-based learning.

Cooperation can encourage courage and initiative. For example, in education, collaboration between teachers and students can motivate students to show courage and initiative in learning. This includes forming study groups, developing student projects, and creating learning communities that allow students to develop collaboration and communication skills.

Developing Soft Skills

Developing soft skills, or human skills, is crucial in implementing innovative approaches. Soft skills include abilities such as communication, collaboration, leadership, creativity, and problem-solving, which are essential for achieving innovation and success in various fields, including education, business, and technology. Enhancing soft skills is a vital step in applying innovative approaches. They help individuals and organizations collaborate effectively, solve problems, and achieve common goals. By developing soft skills, individuals and organizations can innovate and succeed across different areas. Here are some ways to develop soft skills in the context of innovation.

Training and Professional Development: Training and professional development are effective ways to enhance soft skills. This training can cover various topics, such as communication skills, collaboration skills, and leadership skills. It can be delivered formally through learning programs or informally through seminars and workshops.

Collaboration and Cooperation: Collaboration and cooperation among individuals and organizations from diverse backgrounds can foster innovations that cannot be achieved independently. In this context, collaboration and cooperation can help develop soft skills such as teamwork, leadership, and creativity. For example, in educational projects, teachers can learn from each other and share ideas, while students can gain practical experience and learn from various sources.

Utilization of Technology: The use of technology in teaching and learning can help develop soft skills. Technology can create an interactive and engaging learning environment and facilitate access to various learning resources. In this context, the use of technology can help develop skills such as problem-solving, critical thinking, and adaptability.

Project-Based Learning and Community-Based Learning: Project-based learning and community-based learning can create more interactive and engaging learning environments while allowing students to develop soft skills such as collaboration, leadership, and creativity. In these projects, students can learn from each other and share ideas, as well as develop problem-solving skills and achieve common goals.

Assessment and Reflection: Assessment and reflection are essential processes in developing soft skills. Evaluation helps individuals and organizations assess their performance and skills, while reflection helps them review and improve their abilities. In the context of innovation, these assessments and reflections are crucial to ensure that the necessary soft skills for achieving innovation are effectively developed and applied.

Use of Digital Media

Using digital media to address the challenges of implementing innovative approaches is essential, particularly in education and professional development. By effectively utilizing digital media, individuals and organizations can overcome challenges in implementing innovative approaches, enhance digital skills, and foster creativity to address the growing changes of the digital era (Zuhri, 2021). Digital media promotes digital literacy, which is crucial for understanding and using technology effectively. This includes understanding hardware and software technologies and the intellectual processes that facilitate learning and improve performance.

Moreover, meaningful education, by integrating technology as a tool to expand the learning process, helps strengthen the capacity to navigate globalization and understand local socio-cultural contexts. This allows students to become active agents in learning rather than just passive consumers (Dwiana, 2022). Digital media facilitates the development of innovative thinking, enabling individuals to think creatively, explore new ideas, and find creative solutions to challenges. This is crucial in the ever-changing digital era, where creative skills are key to success. Technology enables virtual collaboration and the creation of digital networks, which are vital for sharing ideas, knowledge, and resources. This expands professional networks and provides new knowledge necessary to face challenges and develop creative abilities.

Digital media offers opportunities for online learning, creating an online presence, and finding inspiration from creative sources. This allows individuals to enhance their knowledge and skills, promote themselves, and build their professional reputation.

Evaluation and Improvement

To address the challenges of implementing innovative learning methods in elementary schools, assessment and improvement are two crucial aspects to consider. Here are some steps that can be taken to overcome challenges in innovative learning:

Choosing Innovative Learning Models: Select learning models that suit the characteristics of students and the practical learning materials. For example, problem-based learning models can be chosen for topics like scale and geometry in mathematics because they enable students to solve complex problems independently.

Selection of Materials: Use specific aids in the form of objects around the students to support the learning process. This can help reduce misconceptions and enhance student understanding.

Using Learning Activation Techniques: Implement reward techniques, such as achievement stars and top group awards, to encourage active learning among students.

Thorough Learning Planning: Develop a thorough lesson plan by simplifying the learning process and materials as well as the models used. This is crucial to ensure effective and efficient learning.

Measuring Learning Outcomes Improvement: Conduct assessments at the end of the learning process with various questions, such as presenting a lesson plan for students to analyze. This assessment is essential to measure the improvement in learning outcomes and ensure that innovative learning methods are effectively implemented.

Reflection on Results and Impact: Reflect on the impact of the actions taken. This is important to evaluate the effectiveness of innovative learning methods and determine if further adjustments or improvements are needed (Suharyanto, 2023).

Correlation between Approach and Learning Model

The literature review concludes that innovative approaches in elementary education have the potential to enhance the quality of education by actively involving students in the teaching and learning process (Johnson & Smith, 2021). Strategies such as the use of technology,

project-based learning, and collaborative approaches between teachers and students have proven effective in creating engaging and motivating learning environments. The learning approach chosen by the teacher provides a philosophical and methodological foundation for using the appropriate learning model, resulting in diverse and valuable learning experiences for students.

Teacher-Centered Approach and Expository Learning Model: This approach emphasizes the role of the teacher as the primary source of knowledge and guide in the learning process. In the expository learning model, the teacher delivers material directly to students with minimal interaction. The teacher plays the main role in conveying information, while students act as passive recipients (Anderson & Davis, 2021).

Student-Centered Approach and Constructivist Learning Model: This approach emphasizes the active role of students in the learning process. The constructivist learning model presents students as constructors of their own knowledge through interaction with learning materials, encouraging them to construct their understanding through reflection, discussion, and experimentation (Smith & Brown, 2020).

Cooperative Learning Approach and Collaborative Learning Model: This approach emphasizes student cooperation in achieving learning objectives. The collaborative learning model places students in situations where they work together to solve problems, produce joint products, or complete group tasks. Interaction among students is key in this learning process (Johnson & Smith, 2019).

Project-Based Learning Approach and Problem-Based Learning Model: This approach involves students in real-life projects and problems that need to be solved. The problem-based learning model focuses on identifying and solving problems, while the project-based learning model focuses on applying knowledge to real-world situations (Thomas & Brown, 2020).

However, it must be acknowledged that implementing these innovative approaches is not always easy and faces several challenges, particularly regarding technological infrastructure and teachers' willingness to adopt these approaches (Brown & Garcia, 2022). Therefore, greater support from schools, governments, and relevant stakeholders is needed to improve access to technology and provide appropriate teacher training. This research contributes to understanding the importance of innovative approaches and effective strategies in elementary education. The implications of this research can serve as a basis for developing more comprehensive and outcome-oriented educational policies to improve the quality of education at the elementary level (Walker & Leary, 2021).

Conclusion

From the discussion above, we can conclude that the choice of learning approach has a significant impact on the use of the appropriate learning model. Teacher-centered approaches tend to be associated with the expository learning model, whereas student-centered approaches are more often linked to the constructivist learning model. Collaborative learning approaches support cooperative learning models, while project-based learning approaches are frequently associated with problem-based learning models. Understanding the relationship between learning approaches and learning models is key to designing meaningful and effective learning experiences for students.

By considering the various available approaches and learning models, teachers can select and implement the most appropriate ones to meet their students' needs and learning objectives. Additionally, integrating different approaches and learning models will enhance student interaction, foster deeper understanding, and encourage student-centered learning. Therefore,

using the right approaches and learning models is a crucial step in improving the quality of learning and achieving desired educational outcomes.

Conflict of interests

The author(s) declare that they have no conflict of interest.

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