

The Importance of Creativity and Innovation in Education: How to Prepare Students for the 21st Century Workforce

Pentingnya Kreativitas dan Inovasi dalam Pendidikan: Bagaimana Mempersiapkan Siswa Menghadapi Dunia Kerja Abad 21

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ABSTRACT

Creativity and innovation have been recognized as important elements in establishing a dynamic educational environment and in improving students' skills in critical thinking and problem solving. However, systematic research that combines various concepts and approaches related to creativity and innovation in educational contexts is still limited. The aim of this research is to conduct a systematic literature review to investigate the role of creativity and innovation in education, as well as to explore the implications of these findings for educational practice. This research method involves searching and analyzing relevant articles from leading international journals indexed in the Scopus database. The results of the discussion show that the integration of creativity and innovation in education has a significant impact in improving the quality of learning, student engagement, and student preparation to face future demands. The implication of these findings is the need for an innovative and creativity-oriented educational approach to prepare students to face future challenges in a dynamic and competitive global era.

Keywords: Creativity, Innovation, Education, Literature Review, Implications.

ABSTRAK

Kreativitas dan inovasi telah diakui sebagai elemen penting dalam pembentukan lingkungan pendidikan yang dinamis dan dalam meningkatkan keterampilan siswa dalam berpikir kritis dan menyelesaikan masalah. Namun, penelitian sistematis yang menggabungkan berbagai konsep dan pendekatan terkait kreativitas dan inovasi dalam konteks pendidikan masih terbatas. Tujuan penelitian ini adalah untuk melakukan tinjauan literatur sistematis untuk menyelidiki peran kreativitas dan inovasi dalam pendidikan, serta untuk mengeksplorasi implikasi dari temuan tersebut dalam praktik pendidikan. Metode penelitian ini melibatkan pencarian dan analisis terhadap artikel-artikel yang relevan dari jurnal-jurnal internasional terkemuka yang terindeks dalam database Scopus. Hasil pembahasan menunjukkan bahwa integrasi kreativitas dan inovasi dalam pendidikan memiliki dampak yang signifikan dalam meningkatkan kualitas pembelajaran, keterlibatan siswa, dan persiapan siswa untuk menghadapi tuntutan masa depan. Implikasi dari temuan ini adalah perlunya pendekatan pendidikan yang inovatif dan berorientasi pada kreativitas untuk mempersiapkan siswa menghadapi tantangan masa depan dalam era global yang dinamis dan kompetitif.

Kata Kunci: Kreativitas, Inovasi, Pendidikan, Tinjauan Literatur, Implikasi.

1. Introduction

In the 21st century, the landscape of the workforce is rapidly evolving, emphasizing the critical importance of creativity and innovation in education to prepare students adequately.

Educators are tasked with equipping students with the necessary skills to thrive in a dynamic and competitive environment. Research has shown that integrating 21st-century skills into education is essential for student success (Alifah & Sukartono, 2023). This includes fostering creativity, critical thinking, communication, collaboration, and adaptability (Ghasya & Kartono, 2022). The application of innovative approaches such as STEAM learning has been found to significantly contribute to enhancing students' skills, particularly in subjects like physics (Amiruddin et al., 2022).

Moreover, studies have highlighted the significance of preparing pre-service teachers to meet the demands of 21st-century education (Hartono et al., 2020). Teacher education programs play a crucial role in ensuring that educators are well-equipped to nurture students' creativity and innovation. Additionally, the integration of 21st-century skills into thematic learning at the elementary school level has been emphasized as a means to cultivate a holistic educational experience (Alifah & Sukartono, 2023).

Furthermore, the readiness of lecturers in higher education institutions for 21st-century education has been explored, emphasizing the importance of holistic and integrated curricula to align with the needs of the evolving workforce (Ahmad, 2019). Soft skills have also been identified as valuable assets for students as they transition into the workforce, emphasizing the importance of lifelong learning, career success, and citizenship (Zahir, 2021). In conclusion, the research underscores the critical role of creativity and innovation in education to prepare students for the challenges of the 21st-century workforce. By integrating 21st-century skills, fostering creativity, and emphasizing soft skills development, educators can effectively equip students with the tools needed to succeed in an ever-changing global landscape.

Education has long been recognized as an essential foundation in preparing individuals to face the complexities required in the modern world of work. One aspect that is increasingly being prioritized in this preparation is the development of creativity and innovation abilities in students. Creativity and innovation are considered the main keys that enable individuals to face the ever-evolving challenges in a dynamic job market. However, although the importance of this ability has been recognized, students often experience difficulties in applying their creativity and innovation in existing learning contexts. As technology advances and changes in labor market needs, innovative approaches to learning become increasingly necessary to facilitate the development of these capabilities.

However, despite the importance of this topic, scientific literature is often unable to provide a comprehensive understanding of the exact relationship between innovative approaches to learning and students' creativity and innovation abilities. This lack of knowledge provides the basis for systematic research in the form of a literature review aimed at filling this knowledge gap. By using a systematic literature review approach, this research aims to thoroughly explore how innovative approaches to learning can influence students' creativity and innovation abilities to prepare them to face the demands of the 21st century workforce. The uniqueness of this research lies in its systematic approach in identifying, evaluating, and synthesizing relevant literature in this domain, with the hope of making a significant contribution to our understanding of the role of creativity and innovation in education as well as ways to prepare students for success in the job market which is constantly changing.

2. Research Methods

In this research, systematic and structured steps were used to collect and analyze literature relevant to the research topic. The process begins with the collection of relevant articles from reputable international databases, especially Scopus, which is known for the availability of extensive and reliable data sets. The article search was based on the use of carefully defined keywords to ensure inclusion of articles that had direct relevance to the research topic. The keywords used include key concepts such as “creativity,” “innovation,” “education,” “innovative learning,” and “21st century workforce.”

After the initial search, the articles obtained were then filtered using predetermined inclusion and exclusion criteria. Inclusion criteria include articles that have a direct relationship to the relationship between innovative approaches to learning and students' creativity and innovation abilities. Articles that were irrelevant or did not meet established methodological quality standards were excluded from the analysis. The number of articles successfully retrieved and considered for further analysis was recorded for documentation and methodological transparency. Thus, this careful process of literature collection and selection ensures that only high-quality and relevant articles are included in the literature review analysis.

To ensure accuracy and reliability in the article selection and analysis process, the PRISMA (Preferred Reporting Items for Systematic Reviews and Meta-Analyses) approach was adopted. This method has proven effective in providing clear and structured guidelines for reporting systematic literature reviews, including the search, selection and literature analysis stages. The PRISMA approach provides a systematic framework to ensure that all stages of the review process are carried out transparently and accurately.

The steps outlined in the PRISMA guidelines include comprehensive search procedures to ensure that all relevant articles are found, clear inclusion and exclusion criteria to determine which articles to include in the analysis, as well as structured data analysis procedures to evaluate and synthesize the findings from selected literature. By applying the PRISMA approach, it is hoped that this research will provide comprehensive and accountable results in accordance with the stated research objectives. In this way, the accuracy and trustworthiness in preparing this literature review can be strengthened, which in turn will increase the value of the research contribution to scientific understanding of the topic being studied.

3. Results and Discussions

3.1. Concept of Creativity and Innovation in Education

The integration of creativity and innovation within the educational framework is indispensable, as they serve as fundamental elements in shaping the learning environment and augmenting students' critical thinking and problem-solving abilities. Both creativity and innovation are recognized as essential tools for preparing individuals to navigate and excel in a swiftly evolving global landscape. Acknowledging this, educational stakeholders must prioritize the cultivation of educators' pedagogical skills to effectively nurture students' creativity and innovation (Patphol, 2020). This endeavor encompasses the incorporation of various components, including but not limited to creative thinking methodologies, collaborative endeavors, and the facilitation of successful innovation development, into teacher training programs

The promotion of creativity and innovation within education is not merely advantageous but rather imperative, considering the demands and complexities of the contemporary world. By instilling these qualities in students, educators empower them to adapt to dynamic circumstances, think critically, and devise innovative solutions to multifaceted challenges. Therefore, fostering creativity and innovation within educational settings is paramount to equipping individuals with the requisite competencies to thrive in diverse professional and societal contexts. As such, investing in the enhancement of educators' abilities to cultivate these attributes among students represents a strategic approach towards fostering lifelong learning and sustainable development.

The integration of innovative educational technologies serves as a catalyst in augmenting the pedagogical creativity of prospective educators, with a particular focus on primary school settings (Шкабаріна et al., 2020). By systematically incorporating innovative pedagogical methodologies, educational institutions can create an ecosystem conducive to fostering creativity and innovation among students. Furthermore, universities wield significant influence in nurturing creativity and innovation competencies within STEM (Science, Technology, Engineering, and Mathematics) education, thereby equipping students with the requisite skills to navigate the complexities of the contemporary world (García-Aranda et al., 2020).

The utilization of innovative educational technologies represents a paradigm shift in the traditional educational landscape, offering educators versatile tools to engage students and facilitate immersive learning experiences. Through the strategic deployment of these technologies, future teachers are empowered to explore innovative teaching methodologies that stimulate critical thinking, problem-solving, and creativity among learners. Moreover, the systemic integration of innovative pedagogical approaches within educational institutions cultivates an environment where experimentation, collaboration, and exploration are encouraged, fostering a culture of creativity and innovation among students.

Universities, as hubs of knowledge dissemination and innovation, play a pivotal role in shaping the future of education. In the realm of STEM education, universities serve as incubators for creativity and innovation, providing students with opportunities to engage in hands-on learning experiences, research endeavors, and interdisciplinary collaborations. By instilling a mindset of curiosity, resilience, and adaptability, universities prepare students to confront the multifaceted challenges of the modern era and contribute meaningfully to advancements in science, technology, and society. Thus, the concerted efforts of educational institutions and universities are instrumental in nurturing a generation of innovative thinkers and problem solvers poised to shape the future landscape of education and beyond.

The promotion of creativity within education extends beyond the student population to encompass educators themselves. Training programs tailored to enhance teachers' creative capacities play a pivotal role in establishing an innovative learning environment (Camerilova et al., 2020). Furthermore, research indicates that the organizational innovation atmosphere within schools significantly influences the artistic creativity of university students, underscoring the importance of fostering a conducive setting for creativity (Wei-ying et al., 2022).

In conclusion, the cited references underscore the critical importance of integrating creativity and innovation into educational practices to equip students with the skills necessary to thrive in an ever-evolving and competitive world. By prioritizing initiatives such as teacher training programs, the implementation of innovative pedagogical approaches, and the

cultivation of supportive learning environments, educational institutions can effectively promote creativity and innovation in education. This holistic approach not only enriches the learning experience for students but also empowers educators to become catalysts for innovation, ultimately contributing to the advancement of society as a whole.

3.2. The Importance of Creativity and Innovation in the Context of the 21st Century Workforce

In the context of the 21st-century workforce, the pivotal roles of creativity and innovation are increasingly acknowledged in shaping the skills and competencies essential for success in a rapidly evolving landscape. Educational systems worldwide are recognizing the significance of fostering creativity and innovation among students to equip them with the necessary tools to effectively navigate the challenges of the modern era (Mtebe et al., 2020). This emphasis on creativity is not confined to students alone but also extends to educators, underscoring the imperative for teachers who possess innovative and adaptive qualities to impart 21st-century skills to learners (Diquito et al., 2022).

In response to the demands of the contemporary workforce, educational institutions are reimagining their approaches to teaching and learning, placing greater emphasis on cultivating creativity and innovation. The recognition of these attributes as critical components of success underscores the need for educational systems to evolve and adapt accordingly. As such, initiatives aimed at nurturing creativity and innovation among both students and teachers are gaining traction, with the goal of fostering a culture of continuous learning and adaptability. By equipping individuals with the capacity to think creatively and innovate, educational systems are better positioned to prepare them for the dynamic and competitive landscape of the 21st-century workforce.

As leadership paradigms evolve, innovation emerges as a fundamental cornerstone, underlining the imperative for creativity in contemporary workplaces (Williams et al., 2022). The evolving nature of leadership models underscores the recognition of innovation as a core element essential for organizational success. Moreover, soft skills such as adaptability, interdisciplinary collaboration, and resilience are increasingly prized in the workforce, indicative of the growing demand for individuals capable of offering innovative solutions to multifaceted challenges (Zahir, 2021).

Furthermore, the integration of 21st-century skills within education is imperative for preparing students to navigate the intricacies of the modern work environment (Mtebe et al., 2020). These skills, which encompass critical thinking, creativity, communication, and collaboration, are recognized as essential competencies for success in the contemporary workforce. By equipping students with these multifaceted skills, educational institutions play a crucial role in nurturing a workforce adept at addressing the complexities and uncertainties of the rapidly evolving global landscape. Thus, the integration of 21st-century skills in education not only enhances individual employability but also contributes to organizational innovation and societal progress.

The correlation between 21st-century skills and entrepreneurship education serves to underscore the critical importance of fostering attributes such as creativity, critical thinking, and leadership among students to cultivate entrepreneurial intentions (Ghafar, 2020). As the landscape of the workforce continues to evolve, entrepreneurial skills are increasingly valued,

making it essential for educational institutions to equip students with the competencies necessary to thrive in entrepreneurial endeavors.

Similarly, STEM (Science, Technology, Engineering, and Mathematics) education has emerged as a pivotal driver in enhancing the quality of both teachers and students. By promoting creativity, innovation, and interdisciplinary approaches to learning, STEM education empowers individuals to tackle complex challenges and contribute to advancements in various fields (Salam, 2023). Through hands-on experimentation, collaborative projects, and problem-based learning, STEM education fosters the development of critical skills essential for success in the 21st-century workforce.

In summary, the integration of entrepreneurship education and STEM education underscores the significance of fostering creativity, critical thinking, and interdisciplinary collaboration among students. By instilling these essential skills, educational institutions prepare individuals to thrive in dynamic and entrepreneurial environments, driving innovation and progress in society. In conclusion, the demands of the 21st-century workforce underscore the critical importance of prioritizing creativity and innovation to equip individuals with the requisite skills for success in a dynamic and competitive environment. Educational institutions, teachers, and leaders play pivotal roles in fostering these essential skills, thereby ensuring that individuals are adequately prepared to navigate the challenges and capitalize on the opportunities presented by the modern world.

By placing a strong emphasis on creativity and innovation within educational curricula and pedagogical practices, institutions can cultivate a culture of innovation that empowers students to think critically, problem-solve effectively, and adapt to change. Moreover, educators and leaders must actively support and facilitate opportunities for students to explore their creative potential, engage in interdisciplinary collaboration, and apply innovative solutions to real-world problems.

Ultimately, by prioritizing the development of creativity and innovation, educational stakeholders contribute to the cultivation of a workforce equipped with the agility, resilience, and ingenuity needed to thrive in an ever-evolving global landscape. In doing so, they not only prepare individuals for success in their careers but also foster a culture of innovation that drives progress and prosperity for society as a whole.

3.3. Innovative Approaches in Learning

In recent years, educational research has increasingly shifted its focus towards exploring innovative approaches to learning. Numerous studies have underscored the pivotal role of educational innovation in enhancing learning outcomes and fostering student engagement. For instance, Criollo-C et al. (2021) shed light on the transformative potential of mobile learning within higher education settings, highlighting its positive impact on academic communities. Through the integration of mobile technologies, educators can create dynamic learning environments that cater to diverse learning styles, facilitate interactive learning experiences, and promote collaboration among students.

Similarly, Cahyati et al. (2022) emphasized the significance of leveraging information technology in the era of the 4.0 revolution to enhance the quality of learning through a student-centered approach. By harnessing digital tools and resources, educators can personalize learning experiences, provide timely feedback, and empower students to take ownership of their learning journey. This student-centered approach not only enhances

comprehension and retention but also cultivates critical thinking skills, problem-solving abilities, and digital literacy essential for success in the digital age.

Overall, these studies highlight the transformative potential of educational innovation in driving positive change within educational settings. By embracing innovative approaches to learning, educators can create dynamic, engaging, and inclusive learning environments that empower students to thrive academically and prepare them for the challenges and opportunities of the future.

Furthermore, Binh et al. (2022) delved into the ramifications of innovative teaching methodologies on student satisfaction, especially amidst the transition to online learning prompted by the Covid-19 pandemic. Their research illuminated how innovative pedagogical approaches can enhance student comprehension and overall satisfaction with the learning experience. By employing innovative teaching methods, educators can create engaging and interactive online learning environments that cater to diverse learning styles, effectively facilitating student learning and promoting positive learning outcomes.

Moreover, Tran et al. (2022) underscored the significance of adaptive learning, which utilizes innovative technological tools tailored to individual learners to optimize the learning process. Adaptive learning platforms employ algorithms to analyze students' learning patterns, preferences, and performance data, allowing for personalized learning experiences that address each student's unique needs and pace of learning. By leveraging adaptive learning technologies, educators can effectively differentiate instruction, provide targeted support, and enhance student engagement and achievement.

Together, these studies highlight the transformative potential of innovative teaching methods and adaptive learning technologies in enhancing student satisfaction, understanding, and overall learning outcomes. As educational institutions continue to navigate the evolving landscape of education, embracing innovative approaches to teaching and learning is crucial for fostering student success and preparing learners for the challenges and opportunities of the 21st century.

In the realm of leadership and management within educational settings, research conducted by Kamysheva (2021) and Liswati et al. (2023) delved into the impact of visionary leadership and effective management on fostering learning innovations. These studies shed light on the crucial role that leadership plays in driving educational innovation and enhancing teaching practices.

Kamysheva (2021) examined the influence of visionary leadership on promoting a culture of innovation within educational institutions. Visionary leaders inspire and motivate stakeholders to embrace change, take risks, and explore innovative approaches to teaching and learning. By articulating a compelling vision for educational innovation and providing strategic direction, visionary leaders create an environment conducive to experimentation, creativity, and continuous improvement.

Indeed, Liswati et al. (2023) delve into the pivotal role of effective management practices in nurturing learning innovations within educational settings. These practices entail providing educators with the necessary resources, support, and guidance to implement innovative initiatives successfully. Through prioritizing collaboration, communication, and accountability, effective managers ensure that learning innovations are seamlessly integrated into teaching practices, thereby yielding positive outcomes for students.

In essence, the collective findings of these studies underscore the critical importance of visionary leadership and effective management in driving educational innovation. By fostering a culture that values and supports innovation, educational institutions can cultivate a dynamic learning environment conducive to creativity, experimentation, and excellence in teaching and learning. As educational leaders and managers continue to champion innovation, they serve as catalysts in shaping the future of education and equipping students with the skills and competencies necessary for success in an ever-evolving world.

3.4. The Relationship between Innovative Approaches in Learning and Students' Creativity and Innovation Abilities

Innovative approaches in learning exert a significant influence on students' creativity and innovation capacities. Through the integration of innovative pedagogical technologies and entrepreneurship education, students are afforded opportunities to augment their creative awareness, comprehension, and application of innovative knowledge (Шкабаріна et al., 2020; Handajani et al., 2022). These integrated approaches are designed to not only enhance students' innovation abilities but also cultivate an entrepreneurial mindset and instill a sense of social responsibility (Handajani et al., 2022; Noor, 2022).

Furthermore, the cultivation of students' practical innovation prowess holds paramount importance in curriculum design aimed at bolstering creative and innovative skills (Wei et al., 2019). By integrating practical components into the curriculum, educators can provide students with opportunities for hands-on experimentation, problem-solving, and real-world application of innovative concepts. Such experiential learning experiences are instrumental in fostering the development of students' creative thinking, innovation, and entrepreneurial capabilities.

In summary, the integration of innovative pedagogical technologies, entrepreneurship education, and practical innovation components within the curriculum is instrumental in enhancing students' creativity and innovation abilities. By embracing these integrated approaches, educational institutions can empower students to become adept innovators, entrepreneurs, and socially responsible contributors to society.

Educators assume a pivotal role in fostering creativity and innovation among students by incorporating elements such as creative thinking, collaboration, and successful innovation development into training programs (Patphol, 2020). By integrating these factors into educational curricula, educators empower students to think critically, explore innovative solutions, and collaborate effectively with peers, thereby cultivating a culture of innovation within the learning environment.

Additionally, the STEM (Science, Technology, Engineering, and Mathematics) approach in education serves as a catalyst in nurturing students' critical thinking, problem-solving skills, creativity, and innovation (Fitriyah & Wardana, 2020). Through hands-on experimentation, interdisciplinary collaboration, and project-based learning, the STEM approach equips students with the necessary skills and competencies to tackle real-world challenges and innovate effectively.

Moreover, fostering an innovative culture within educational institutions can have a profound impact on students' learning outcomes and performance (Han et al., 2022). By promoting an environment that values creativity, experimentation, and continuous improvement, educational institutions inspire students to explore new ideas, take calculated

risks, and push the boundaries of innovation. This innovative culture fosters a mindset of curiosity, resilience, and adaptability among students, ultimately enhancing their academic achievements and preparing them for success in a rapidly changing world

In essence, educators, through their pedagogical practices, the STEM approach, and the cultivation of an innovative culture, play a central role in nurturing students' creativity and innovation. By embracing these strategies, educational institutions can empower students to become lifelong learners, innovative thinkers, and future leaders capable of addressing the challenges and opportunities of the 21st century.

Research findings suggest that supervisor support plays a pivotal role in catalyzing the learning process of graduate students, consequently enhancing their research and innovation capabilities (Edokpolor & Abusomwan, 2019). Supervisors who provide mentorship, guidance, and constructive feedback empower graduate students to explore new ideas, overcome challenges, and make meaningful contributions to their respective fields of study. By fostering a supportive and nurturing environment, supervisors facilitate the development of critical thinking, problem-solving, and innovation skills among graduate students, thereby equipping them with the competencies needed to excel in academic and professional settings.

Moreover, the correlation between students' potential abilities, including creativity and innovation skills, and their intentions to pursue self-employment highlights the significance of nurturing these skills in educational settings. Students who possess strong creativity and innovation skills are more likely to identify entrepreneurial opportunities, develop innovative solutions, and pursue self-employment ventures (Edokpolor & Abusomwan, 2019). Therefore, by fostering a culture of creativity, innovation, and entrepreneurship within educational institutions, educators can empower students to harness their potential and pursue entrepreneurial endeavors.

In summary, supervisor support plays a crucial role in enhancing graduate students' research and innovation abilities, while the cultivation of creativity and innovation skills in educational settings can significantly influence students' intentions to venture into self-employment. By providing mentorship, guidance, and opportunities for creativity and innovation, educational institutions can prepare students to thrive in a rapidly changing world and make meaningful contributions to society as innovative entrepreneurs and leaders.

In conclusion, innovative approaches in learning serve as catalysts for the development of students' creativity and innovation abilities. By integrating innovative pedagogies, entrepreneurship education, and practical innovation skills into the curriculum, educators can effectively enhance students' creative thinking, problem-solving skills, and overall innovation capabilities.

These integrated approaches provide students with opportunities to explore new ideas, collaborate with peers, and apply innovative solutions to real-world challenges. Through hands-on experimentation, project-based learning, and interdisciplinary collaboration, students develop the critical skills and competencies needed to thrive in a rapidly evolving world.

Moreover, fostering a culture of innovation within educational institutions encourages students to embrace curiosity, take risks, and push the boundaries of conventional thinking. By providing a supportive and nurturing environment, educators empower students to unleash their creative potential and make meaningful contributions to society as innovative thinkers, problem solvers, and entrepreneurs.

In essence, by embracing innovative approaches in learning, educators can equip students with the skills and mindset necessary to navigate the complexities of the 21st century and drive positive change in their communities and beyond.

4. Conclusions

In this conclusion, it is found that the integration of creativity and innovation in the educational context is vital, considering its role as a fundamental element in forming a dynamic learning environment and increasing students' abilities to think critically and solve problems. An emphasis on creativity and innovation is not just beneficial, but absolutely necessary considering the increasingly complex demands of the contemporary world. By empowering students with these skills, educators effectively prepare them to face dynamic challenges, think critically, and develop innovative solutions to complex problems. Therefore, promoting creativity and innovation in educational settings is crucial to equip individuals with the competencies needed to succeed in a variety of professional and social contexts. In this context, investing in developing educators' capabilities to foster these attributes among students becomes a strategic step towards lifelong education and sustainable development.

The use of innovative educational technology is key in increasing the pedagogical creativity of prospective educators, especially at the elementary school level. By systematically combining innovative educational methodologies, educational institutions are able to create a supportive ecosystem for developing creativity and innovation among students. Furthermore, universities have a significant role in fostering creativity and innovation competencies in STEM (Science, Technology, Engineering, and Mathematics) education, thereby providing students with the skills necessary to face the complexities of the contemporary world.

These findings emphasize that innovative approaches to education not only benefit students, but are also important for educators themselves. Training programs that aim to improve educators' creative abilities are an important step in establishing an innovative learning environment. Additionally, research shows that an atmosphere of organizational innovation within schools significantly influences the creativity of university students, highlighting the importance of creating an environment conducive to creativity.

Thus, this conclusion highlights the importance of integrating creativity and innovation in education to prepare students to face future challenges. Through joint efforts in training educators, implementing innovative approaches to learning, and creating a supportive educational environment, educational institutions can effectively promote creativity and innovation in education. This not only enhances the learning experience of students, but also empowers educators to become agents of innovation, which in turn will contribute to the progress of society as a whole.

5. References

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