Chapter 5
Rethinking Educational Assessment in the Age of Artificial Intelligence: Insights From Recent Training Workshops

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ABSTRACT

The rise of generative AI in education presents both opportunities and challenges, particularly in the realm of student assessment. This paper examines the transformative impact of generative AI on educational assessment practices, drawing insights from recent training workshops conducted for educators in the Global South. The paper explores how AI can enhance traditional assessment methods by promoting critical thinking, creativity, and collaboration. It introduces innovative frameworks such as AI-resistant assessments and the Process-Product Assessment Model, which focus on evaluating the final output and the student's engagement with AI tools throughout the learning process. The paper also highlights practical strategies for integrating AI into assessment practices, emphasizing the need for ethical AI use and preserving academic integrity.

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THE ROLE OF GENERATIVE AI IN EDUCATIONAL ASSESSMENT

Generative AI (Gen AI) has undergone significant advancements, transforming from simple text generation tools into highly sophisticated systems capable of producing human-like content across a broad spectrum of domains (Feuerriegel et al., 2024). With the emergence of advanced models like the GPT-40 and GPT-01 preview model, AI now has the ability to perform a range of complex tasks, including text analysis, natural language understanding, and even demonstrating creativity in writing and problem-solving (Shahriar et al., 2024). This leap in AI capabilities has opened up exciting new possibilities for its integration into education, particularly in the areas of providing feedback and enhancing assessment processes.

In the past year, the rapid development and increasing power of generative AI tools have sparked a revolution in education. These tools have enabled educators to devise innovative teaching strategies and redesign student tasks to better meet the demands of the AI era (Khlaif et al., 2023). As a result, there is a growing movement among decision-makers, educators, practitioners, and researchers to explore how generative AI can be integrated into higher and public education systems, creating opportunities for significant advancements across various educational contexts (Noroozi et al., 2024).

Within education, generative AI is proving to be much more than a tool for administrative efficiency. It is opening new doors for improving student engagement and transforming the way learning is assessed. Furthermore, generative AI is becoming a point of competition among higher education institutions, as these institutions strive to meet global goals such as the United Nations' Sustainable Development Goals (SDGs), particularly SDG 4 (quality education) and SDG 5 (gender equality) (George & Wooden, 2023; Pisica et al., 2023).

However, despite these promising advancements, significant challenges remain in the process of integrating AI into higher education. Based on the author's experience, supported by numerous studies, these challenges are not limited to financial costs. A critical issue lies in the attitudes and perspectives of the academic community, which are often accompanied by a lack of clear vision and strategy within higher education institutions, particularly in many countries of the Global South (Bozkurt et al., 2023; Jin et al., 2024). Even though UNESCO has published guidelines to assist decision-makers in these regions, progress in AI adoption remains slow. While individual initiatives, such as professional development workshops, attempt to address these gaps and integrate AI into educational practices, many countries continue to lag despite these efforts.

Thus, while generative AI offers tremendous potential for reshaping education and advancing institutional goals, its full integration will require overcoming technical and financial barriers and addressing the broader academic and structural challenges that persist, especially in less-resourced regions.

Assessment has always been a cornerstone of the educational process. It is a critical mechanism to measure learning outcomes, provide feedback, and ensure that educational goals are met (Botuzova et al., 2023). The development of traditional assessments, from standardized tests and exams to authentic assessments, as well as the emerging new flipped-assessment approaches, continue developing within the development of technology and emerging new teaching strategies (Aziz et al., 2020). The aim of this development was to align with 21st-century skills and to enhance the quality of education as one of the sustainability goals.

Addressing the Gaps in AI-Driven Assessment Research

While the use of AI in education has been explored extensively in areas such as personalized learning, instructional design, and administrative automation, there is a significant gap in understanding how generative AI can be integrated into assessment practices, particularly in higher education. Most current research focuses on the application of AI to automate grading or provide instant feedback, but there is limited research on how AI can transform the nature of assessments themselves. Additionally, much of the discourse around AI in education has been concentrated in the Global North, with insufficient attention paid to how these technologies can be adapted and implemented in Global South contexts, where resource constraints and educational challenges differ. This paper addresses these gaps by exploring how generative AI can be harnessed to rethink assessment methods, focusing on early adopters in the Global South and their diverse academic fields, such as medical education, humanities, and engineering.

Rethinking Assessment Strategies with AI

The purpose of this paper is to provide a comprehensive framework for rethinking assessment in the era of generative AI, drawing on both theoretical insights and practical experiences from workshops conducted with faculty members in higher education. By examining how generative AI can be integrated into assessment strategies, this paper aims to offer educators, particularly in the Global South, practical solutions for designing more meaningful, AI-enhanced assessments that align with modern educational needs. Furthermore, the paper will highlight how these assessments can promote the development of higher-order thinking skills, encourage creativity, and provide more equitable and scalable solutions to challenges faced by

educators worldwide. Through this exploration, the paper seeks to contribute to the ongoing dialogue about the future of assessment in an AI-driven.

Key Insights from AI Assessment Workshops

During the last year, the author designed and delivered a series of comprehensive training workshops and public lectures aimed at rethinking educational assessment in the age of artificial intelligence (AI). These sessions were conducted both in-person and online, bringing together more than 300 Educators from countries such as Saudi Arabia, the UAE, Jordan, Palestine, Egypt, Iraq, South Africa, and others. The workshops were offered in both Arabic and English to accommodate the diverse linguistic backgrounds of the attendees. These sessions focused on equipping educators with theoretical insights and practical tools to redesign student assignments, fostering critical thinking, creativity, and ethical AI use in the classroom.

The workshops were structured into two key components: theoretical discussions and practical applications. In the theoretical part, we explored cutting-edge models and frameworks for assessing student work in the context of AI. One of the key models introduced was the AI Task Assessment Scale, a tool designed to help educators systematically evaluate student performance in assignments that incorporate AI tools. Another major framework discussed was the Process-Product Assessment Model, an emerging approach that not only assesses the final product of student work but also evaluates the quality of the steps students take during the process. This includes how they develop AI prompts and how they collaborate with AI tools throughout their learning journey. This shift in assessment philosophy places greater emphasis on human-AI interaction, which offers educators a richer and more comprehensive understanding of student learning and critical thinking processes.

In the practical component, educators engage in hands-on activities to design AI-resistant assignments. This approach aligns with the AI-Resistance Assessment Scale (AIAS), which I developed to guide educators in creating tasks that promote critical engagement and ethical AI use. Educators explored various ways to encourage students to use generative AI tools in a constructive manner, particularly during the brainstorming phase of assignments. This method of integrating AI into the learning process ensures that students remain responsible for the content generated by AI, fostering accountability and deepening their understanding of the material. By encouraging students to develop AI prompts carefully and strategically, educators can assess the cognitive processes involved in human-AI collaboration rather than just focusing on the output.

A central theme of the workshops was the Process-Product Approach, which we discussed extensively as a new and emerging method of assessment. Educators were trained to use this approach to evaluate both the quality of the final product and

the process that led to it. This includes assessing the interactivity between students and AI, as well as the steps students take in developing effective prompts. The aim was to help educators design tasks that allow for a detailed evaluation of human-AI collaboration, ensuring that students engage critically with AI tools rather than using them passively. This focus on the process helps educators identify the depth of student understanding and decision-making during their assignments.

As the Educators engaged in these discussions, they reflected on ways to incorporate AI into student work while fostering critical thinking. One key suggestion was to allow students to use generative AI during the brainstorming and proofreading stages of their assignments. However, to ensure that students critically engage with the AI-generated content, educators recommended that students write a reflection paper about their experience using AI in course projects. This reflection would not only detail the student's interaction with AI but also include a critique of the ideas and content generated by the tools. The purpose of this approach is to equip students with critical thinking skills and foster the development of essential 21st-century skills such as problem-solving, ethical decision-making, and the ability to assess the credibility of AI-generated information.

Educators were particularly interested in designing a variety of AI-resistant tasks, which are assignments structured to minimize the risk of over-reliance on AI-generated content. These tasks require students to engage deeply with the subject matter, ensuring that they contribute their own insights and creativity while using AI as a supportive tool rather than a replacement for original thought. The emphasis was placed on designing assignments that challenge students to use AI ethically, critically, and responsibly. By requiring students to validate and reflect on AI outputs, educators can assess not only the final product but also how effectively students navigate the complexities of human-AI collaboration.

During the workshops, Educators raised concerns about the implications of generative AI on academic integrity. Many feared that AI might dilute the originality of student work or lead to plagiarism. To address these concerns, we discussed strategies for shifting the focus of assessment from the final product to the learning process itself. By assessing the quality of interaction between students and AI, educators can maintain academic integrity while still embracing the potential benefits of AI. Tasks that require problem-solving, critical thinking, and creativity were highlighted as particularly resistant to AI overreach, as they demand original input from students and cannot be fully automated.

One of the key insights that emerged from these discussions was the need for authentic assessment—assignments that reflect real-world challenges and require students to apply their knowledge in complex, context-rich situations. These tasks make it more difficult for students to rely entirely on AI-generated content, as they require critical thinking, collaboration, and ethical reasoning. This shift toward

authentic and process-based assessments allows educators to better evaluate student learning in a way that safeguards academic integrity while fostering deeper engagement with course material.

Looking ahead, I plan to publish a detailed guide for teachers and academics on how to design AI-resistant assessments using the AI-Resistance Assessment Scale (AIAS). This guide will provide educators with practical strategies for creating tasks that enhance critical thinking, creativity, and ethical AI use. In the meantime, Educators can begin applying the concepts discussed in the workshops, using the AI Task Assessment Scale to navigate the integration of AI into their teaching while maintaining the integrity of student learning.

In conclusion, these training workshops offered more than just theoretical insights—they provided a platform for educators from diverse backgrounds to collaboratively rethink the future of educational assessment in the age of AI. By focusing on critical thinking, human-AI collaboration, and ethical responsibility, Educators are now better equipped to design assessments that are not only resistant to the misuse of AI but also promote deeper, more meaningful student learning. These workshops laid the foundation for educators to harness the potential of AI while safeguarding the essential values of creativity, originality, and academic integrity in education.

Open Discussions: Sharing Best Practices and Experiences

After each training session, Educators engaged in open discussions where they exchanged best practices for integrating AI into teaching and professional development. These conversations allowed faculty members to reflect on their individual experiences and learn from their colleagues' diverse approaches. The collaborative environment fostered an exchange of practical resources, including AI-based activities and assignments. By sharing these resources, educators were able to explore the broad potential of generative AI tools and consider how to implement them effectively within their own teaching contexts. This peer-to-peer learning was crucial in expanding their understanding of AI’s applications in education.

Faculty Attitudes Toward AI: Enthusiasm vs. Concerns

Faculty attitudes towards using generative AI (Gen AI) in student tasks were divided. On one side, there was palpable enthusiasm for the technology. Many educators were excited about AI's potential to streamline administrative tasks, such as grading, thereby allowing them to focus more on fostering critical thinking and creativity in students. The time-saving aspect of AI tools, combined with the empowerment students felt using these advanced technologies, contributed to a positive

outlook. Faculty also observed that students took pride in using AI, viewing it as a valuable tool that enhanced their learning experience and academic performance.

On the other side, some faculty members expressed significant concerns regarding academic integrity. The ease with which AI can generate content has raised fears of increased cheating and plagiarism. These concerns left many educators frustrated as they struggled to reconcile the potential benefits of AI with the possibility of compromising the authenticity of student work. For these educators, the integration of AI into teaching practices remained a source of uncertainty, and many expressed hesitancy toward adopting these tools without clear guidelines to mitigate these risks.

Redesigning Assessments for the AI Era

One of the most critical points of discussion during the workshops was the need to redesign student assessments to align with the realities of the AI era. Faculty explored strategies for adapting assessments that not only integrate AI tools but also ensure students are challenged in ways that AI cannot easily replicate. For instance, they emphasized context-specific solutions tailored to their disciplines and the unique challenges of their institutions. These discussions underscored the importance of designing assessments that encourage deeper engagement with the subject matter, creativity, and the development of critical thinking skills. The focus was on moving beyond rote learning and creating tasks that would require students to demonstrate higher-order thinking, problem-solving abilities, and ethical decision-making in their interactions with AI tools.

Institutional Policy and Vision: The Path Forward

A recurring theme throughout the workshops was the necessity of establishing a clear institutional vision and policy regarding the integration of AI into both teaching and research. Educators agreed that institutions must provide clear guidance on how AI should be used, with policies that encompass both the educational and research contexts. As noted by Pedro et al. (2019), such policies are essential for fostering positive attitudes toward AI, encouraging educators to adopt these tools in thoughtful and productive ways.

Moreover, institutions with well-defined AI policies can play a pivotal role in raising awareness about AI literacy and competencies. Faculty and students alike need a structured framework to navigate the ethical and practical implications of using AI in their academic work. As Spivakovsky et al. (2023) highlight, these policies can help build a more informed academic community capable of leveraging AI's benefits while being mindful of its challenges.

Policy Development for AI-Enhanced Courses: Addressing Assessment Challenges

Another key takeaway from the workshops was the importance of developing policies specifically for AI-enhanced courses, particularly in addressing assessment-related challenges. Such policies can provide students with clear guidelines on when and how to use AI tools in their coursework. By setting clear boundaries, these policies enhance students' understanding of the ethical implications of AI use, ensuring that the technology is applied responsibly.

Faculty members also discussed the importance of balancing AI's benefits with the need to preserve the authenticity of student work. A well-crafted policy framework would empower educators to manage AI's use effectively, reducing concerns about cheating and misuse. For example, a few educators reported creating GPT models for their courses, uploading lecture content, and using the tool to generate both closed and open-ended questions. While some colleagues appreciated this practice, others criticized it, noting that AI-generated questions were sometimes repetitive or not aligned with course material. These conversations highlighted the need for a thoughtful, well-monitored approach to integrating AI in assessments.

Human-AI Collaboration: Redefining Student Assignments

A recurring theme in the workshops was the importance of viewing AI as a collaborative tool that supports, rather than replaces, student learning. Some educators shared their experience using generative AI to help design assignments or generate initial ideas for tasks. These assignments were structured around the AI-Resistance Assessment Scale (Petihakis et al., 2023), which encourages students to engage critically with AI tools for brainstorming, idea generation, proofreading, and project development.

Educators suggested linking this AI assessment scale to Bloom's Taxonomy (Forehand, 2010) to ensure a deeper alignment with educational objectives. This integration encourages students to reflect on the ideas generated by AI, comparing them with their own thoughts and improving their critical thinking skills. By combining AI-supported tasks with a clear course policy, students are guided to use AI responsibly while deepening their understanding of the subject matter.

Product-Process Assessment: Emphasizing Critical Engagement with AI

During the workshop discussions, the facilitator introduced the concept of Product-Process Assessment, an emerging evaluation approach that shifts the focus from the final product to the process involved in completing a task. This approach is particularly relevant in the context of human-AI collaboration, where the interaction between the learner and AI tools becomes a vital component of the assessment.

The Product-Process Assessment method evaluates how students develop prompts to guide AI tools and how they collaborate with AI throughout the learning journey. This model encourages educators to assess not only the final output but also the decisions students make during the process. Faculty members were encouraged to involve students in the development of evaluation rubrics, creating a partnership in the assessment process. This collaborative approach allows students to critically engage with AI-generated content, refining their initial ideas based on comparison and critical reflection.

AI and Authentic Assessments: Real-World Applications in Education

Another significant topic covered during the workshops was the role of AI in fostering authentic assessments, which focus on real-world tasks and applications. Authentic assessments differ from traditional tests by requiring students to apply their knowledge in practical, context-rich scenarios, reflecting the complexities they will encounter in professional settings (Fatima et al., 2024; Thnh et al., 2023).

For example, instead of a traditional essay, educators might ask students to create podcasts, develop multimedia presentations, or solve real-world problems using AI tools. These assessments foster creativity, collaboration, and critical thinking, promoting higher-order skills that are essential in an AI-driven world.

Competency-Based Assessments: AI's Role in Real-World Learning

Educators working in medical education highlighted the growing importance of competency-based assessments in the AI era. Competency-based assessments go beyond knowledge recall, evaluating a student's ability to apply theoretical knowledge in practical, real-world situations. AI plays an instrumental role in this

shift by providing tools for simulating complex environments where students can demonstrate skills in controlled yet dynamic settings (Waladi & Lamarti, 2024).

One medical educator shared how AI-enhanced virtual patients are used in her university's virtual lab to assess clinical decision-making and problem-solving skills in high-pressure scenarios. This example illustrates the potential of AI to transform assessments in ways that prepare students for real-world challenges, offering a dynamic and interactive learning experience.

AI-Resistant Assessments: A New Approach to Preserving Academic Integrity

AI-resistant assessments have emerged as a critical approach in the AI era, particularly as educators grapple with concerns about academic integrity. The rise of generative AI has made it easier for students to produce automated content, raising the risk of plagiarism and over-reliance on AI-generated outputs. To counter these challenges, educators and researchers have introduced AI-resistant assessments, which are designed to minimize the risk of students misusing AI tools while still leveraging AI for productive learning.

The central idea behind AI-resistant assessments is to create tasks that cannot be easily solved by AI, encouraging deeper engagement from students. This type of assessment typically requires higher-order thinking skills such as critical analysis, creativity, and problem-solving—areas where AI struggles to fully replicate human abilities. Additionally, AI-resistant assessments focus on the process of learning rather than just the final product. This means that students are evaluated based on their interaction with AI tools, including how they develop prompts, refine their ideas, and critically engage with AI-generated content.

One example of an AI-resistant assessment is reflective writing combined with AI use. In this assessment, students are encouraged to use AI tools to brainstorm ideas, generate drafts, or receive feedback on their work. However, rather than submitting the AI-generated content directly, students are required to write a reflection on how they used AI, detailing the specific prompts they used, their rationale for selecting certain AI-generated content, and how they modified or critiqued the AI's suggestions. This reflective component forces students to engage critically with AI, ensuring they remain responsible for the final product.

In addition to the reflection, educators can also ask students to identify inaccuracies or biases in the AI-generated material, fostering a deeper understanding of both the content and the limitations of AI tools. This approach ensures that students do not passively rely on AI but instead use it as a tool for enhancing their learning process.

Theoretical Implications

This paper offers several important theoretical implications for the field of education, particularly in the context of integrating AI into assessment practices. Traditionally, assessment methods in higher education have relied on standardized tests, essays, and projects. However, the introduction of AI shifts the focus towards more dynamic and complex forms of assessment, such as AI-resistant assessments and human-AI collaboration. The paper explores how AI can not only automate grading but also transform how educators assess higher-order thinking skills like critical analysis, creativity, and ethical reasoning. This challenges existing assessment paradigms by pushing the boundaries of what can be evaluated in educational settings.

One of the key theoretical contributions of the paper is the proposal of the AI Task Assessment Scale and the Process-Product Assessment Model, both of which offer frameworks for assessing student interaction with AI. These models provide a foundation for rethinking how students' learning processes, rather than just final outcomes, are evaluated. The paper also highlights the need for a shift from purely product-based assessments to assessments that evaluate both the process and the student's engagement with AI tools, which is a relatively unexplored area in educational theory. Additionally, the discussion on AI-resistant assessments introduces a new layer of complexity in how educators design tasks that mitigate the risks of over-reliance on AI, thus enriching the theoretical dialogue on the integrity of assessment.

Practical Implications

From a practical perspective, the paper provides educators and institutions with actionable strategies to integrate AI into their teaching and assessment practices. For faculty members, it outlines how to design assessments that encourage student engagement with AI while maintaining academic integrity. For example, the paper discusses the implementation of the AI-Resistance Assessment Scale (AIAS), which can be used to design tasks that promote critical thinking and responsible AI use. It also offers practical guidance on how educators can assess not only the final output but also the process students undergo when using AI tools, thus providing a more comprehensive understanding of student learning.

In addition to classroom practices, the paper underscores the importance of institutional policies in supporting the integration of AI into education. It recommends that institutions develop clear policies that guide both students and educators on how AI should be used ethically in educational settings. These policies can help mitigate risks such as academic dishonesty and ensure that AI is used as a tool to enhance, rather than replace, learning. Furthermore, the paper provides a roadmap

for professional development, emphasizing the need for continuous training for educators to stay updated with AI advancements and their implications for assessment.

CONCLUSION

In conclusion, this paper demonstrates that the integration of generative AI into educational assessment offers both opportunities and challenges. While AI has the potential to enhance assessments by providing real-time feedback, automating grading, and fostering deeper engagement with learning, it also raises critical concerns about academic integrity and the role of human oversight in the educational process. The paper advocates for a balanced approach that leverages AI's capabilities while maintaining a focus on critical thinking, creativity, and ethical responsibility.

Through the introduction of innovative assessment models, such as the AI Task Assessment Scale and the Process-Product Assessment Model, this paper provides educators with practical tools to navigate the complexities of AI-enhanced learning environments. It also highlights the importance of clear institutional policies and continuous faculty development to ensure that AI is integrated into education in a way that is both ethical and effective. As AI continues to evolve, educators must remain vigilant in designing assessments that not only resist misuse but also encourage meaningful human-AI collaboration, fostering a new generation of learners equipped with the skills needed to succeed in an AI-driven world.

References

Aziz, M. N. A., Yusoff, N. M., & Yaakob, M. F. M. (2020). Challenges in Using Authentic Assessment in 21st Century ESL Classrooms. *International Journal of Evaluation and Research in Education*, 9(3), 759–768. DOI: 10.11591/ijere.v9i3.20546

Botuzova, Y., Iievliev, O., Okipniak, I., Yandola, K., & Charkina, T. (2023). Innovative Approaches to Assessment in Pedagogical Practice: New Technologies, Methods and Development of Objective Assessment Tools. *Cadernos de Educação Tecnologia e Sociedade*, 16(2), 386–398. DOI: 10.14571/brajets.v16.n2.386-398

Bozkurt, A., Junhong, X., Lambert, S., Pazurek, A., Crompton, H., Koseoglu, S., & Romero-Hall, E. (2023). Speculative futures on ChatGPT and generative artificial intelligence (AI): A collective reflection from the educational landscape. *Asian Journal of Distance Education*, 18(1), 53–130.

Fatima, S. S., Sheikh, N. A., & Osama, A. (2024). Authentic assessment in medical education: Exploring AI integration and student-as-partners collaboration. *Postgraduate Medical Journal*, ●●●, qgae088. DOI: 10.1093/postmj/qgae088 PMID: 39041454

Feuerriegel, S., Hartmann, J., Janiesch, C., & Zschech, P. (2024). Generative ai. *Business & Information Systems Engineering*, 66(1), 111–126. DOI: 10.1007/s12599-023-00834-7

Forehand, M. (2010). Bloom's taxonomy. Emerging perspectives on learning, teaching, and technology, 41(4), 47-56

George, B., & Wooden, O. (2023). Managing the strategic transformation of higher education through artificial intelligence. *Administrative Sciences*, 13(9), 196. DOI: 10.3390/admsci13090196

Grassini, S. (2023). Development and validation of the AI attitude scale (AIAS-4): A brief measure of general attitude toward artificial intelligence. *Frontiers in Psychology*, 14, 1191628. DOI: 10.3389/fpsyg.2023.1191628 PMID: 37554139

Jin, Y., Yan, L., Echeverria, V., Gašević, D., & Martinez-Maldonado, R. (2024). Generative AI in Higher Education: A Global Perspective of Institutional Adoption Policies and Guidelines. *arXiv preprint arXiv:2405.11800*.

Pedro, F., Subosa, M., Rivas, A., & Valverde, P. (2019). Artificial intelligence in education: Challenges and opportunities for sustainable development.

Petihakis, G., Farao, A., Bountakas, P., Sabazioti, A., Polley, J., & Xenakis, C. (2024, July). AIAS: AI-ASsisted cybersecurity platform to defend against adversarial AI attacks. In *Proceedings of the 19th International Conference on Availability, Reliability and Security* (pp. 1-7 DOI: 10.1145/3664476.3669920

Pisica, A. I., Edu, T., Zaharia, R. M., & Zaharia, R. (2023). Implementing artificial intelligence in higher education: Pros and cons from the perspectives of academics. *Societies (Basel, Switzerland)*, 13(5), 118. DOI: 10.3390/soc13050118

Shahriar, S., Lund, B. D., Mannuru, N. R., Arshad, M. A., Hayawi, K., Bevara, R. V. K., Mannuru, A., & Batool, L. (2024). Putting GPT-4o to the Sword: A Comprehensive Evaluation of Language, Vision, Speech, and Multimodal Proficiency. *Applied Sciences (Basel, Switzerland)*, 14(17), 7782. DOI: 10.3390/app14177782

Spivakovsky, O. V., Omelchuk, S. A., Kobets, V. V., Valko, N. V., & Malchykova, D. S. (2023). Institutional policies on artificial intelligence in university learning, teaching and research. *Information Technologies and Learning Tools*, 97(5), 181–202. DOI: 10.33407/itlt.v97i5.5395

Thanh, B. N., Vo, D. T. H., Nhat, M. N., Pham, T. T. T., Trung, H. T., & Xuan, S. H. (2023). Race with the machines: Assessing the capability of generative AI in solving authentic assessments. *Australasian Journal of Educational Technology*, 39(5), 59–81. DOI: 10.14742/ajet.8902

Waladi, C., & Lamarti, M. S. (2024). Adaptive AI-Driven Assessment for Competency-Based Learning Scenarios. In *Innovative Instructional Design Methods and Tools for Improved Teaching* (pp. 215–226). IGI Global.