



(MUDIMA)



The Relevance of Educational Philosophy in Curriculum Development in the Digital Era

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ARTICLE INFO

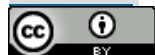
Keywords: Educational Philosophy, Curriculum Development, Digital Era

Received : 2 January

Revised : 23 February

Accepted : 20 March

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ABSTRACT

The rapid advancement of digital technology necessitates the revision of curricula capable of accommodating 21st-century competencies. This study aims to examine the relevance of educational philosophy as a conceptual foundation in the curriculum formulation process in the digital era. Using a qualitative-descriptive approach, the research reviews classical and contemporary literature related to educational philosophy, curriculum development theories, and the dynamics of educational digitalisation. The findings indicate that educational philosophy continues to play a fundamental role in establishing the orientation, core values, and objectives of curricula. Progressivism and constructivism are particularly significant in promoting curriculum renewal that emphasises competence mastery, active learning, and the utilisation of technology to foster students' creativity, collaboration, and digital literacy. Meanwhile, a humanistic approach provides an ethical basis for designing student-centred curricula that preserve human values amid the digital transformation. This study underscores that curriculum development in the digital era requires profound philosophical reflection to ensure that educational policies and practices remain aligned with essential educational goals. Based on these findings, the study recommends strengthening the integration of educational philosophy principles into national curriculum policies and enhancing educators' capacities to implement digital transformation inclusively and meaningfully.

INTRODUCTION

The acceleration and expansion of digital technology have brought about fundamental changes across various sectors of human life, including education. In an era of globally interconnected information, education is no longer sufficient merely as a means of knowledge transfer; it is required to prepare learners to face the complex challenges of the twenty-first century. Social dynamics, contemporary skill demands, and the increasingly digitalised nature of the workforce make curriculum renewal an inevitable necessity. Within this framework, the curriculum functions as a strategic instrument that determines the direction of education, rather than merely serving as an administrative document. Nevertheless, the modernisation of curricula through technological integration carries potential risks. Therefore, in the digital era, considerations of educational philosophy must serve as the primary foundation in every stage of curriculum formulation (Selviani, A.M., et al., 2025). Curriculum transformation should be undertaken carefully, not simply to follow technological developments, but to remain anchored in the fundamental objectives of education.

Curriculum development should not be limited to adding digital content; it must be constricted upon a philosophical framework that guides the purpose and direction of education. Curricula must be designed in alignment with the envisioned profile of the learners to be developed. Without a philosophical basis and ethical evaluation, educational practice risks becoming purely utilitarian, prioritising efficiency, technical skills, and digital competencies while neglecting humanistic values and character development. Such an approach may produce a generation proficient in technology but lacking moral resilience and social sensitivity.

An ideal curriculum in the digital era should cultivate learners who are not only digitally literate but also possess strong character and critical thinking skills. The integration of technology can reinforce progressive pedagogical approaches that emphasise reflective, collaborative, and inclusive learning, positioning learners as active participants in the

educational process. The use of technology in learning activities can support the development of learners' problem-solving, creativity, and teamwork abilities (Anisa, P.S., et al., 2024). Consequently, a philosophical review is crucial to ensure that the design and implementation of digital curricula remain grounded in the core values of education. Educational philosophy provides normative, epistemological, and axiological frameworks that guide the formulation of educational goals, directions, and fundamental values.

Through a philosophical perspective, curriculum developers can reconsider the meaning of education and identify essential values to instil in learners. Philosophical traditions such as progressivism and humanism offer a conceptual foundation for designing curricula that are relevant to contemporary developments. Progressivism emphasises the importance of direct experience as the core of learning, whereas humanism highlights the role of education in shaping personality, moral values, and humanity (Fadhilah, S.A.A., et al., 2024). Therefore, curriculum transformation must aim to integrate digital literacy while preserving humanistic values, morality, and principles of justice. This approach ensures that curriculum modernisation focuses not only on technological innovation but also on character building, the cultivation of virtue, and the development of learners' critical awareness.

Based on the foregoing, this article aims to examine the relevance of educational philosophy as a theoretical foundation in curriculum development in the digital era. This study is expected to contribute to academic discourse and educational policy, particularly in designing curricula that are adaptive to technological advancements while remaining rooted in humanistic values, ethics, and long-term educational objectives.

METHODS

This study employs a qualitative approach using a literature review method. The data sources consist of primary literature, including works on educational philosophy, curriculum policy documents, and official references related to digital education, as well as secondary literature, such as journal articles,

conference proceedings, and relevant scholarly publications. Data collection was conducted through systematic searches in academic databases, including Google Scholar, GARUDA, SINTA, DOAJ, and Scopus, using appropriate keywords.

The data were analysed through content analysis, following stages of data reduction, categorisation of ideas, and conceptual synthesis to interpret the relevance of educational philosophy principles to curriculum development in the digital era. Data validity was ensured through source triangulation and peer debriefing. The research procedure comprised identifying the focus of study, selecting literature, conducting content analysis, and drawing conclusions systematically.

RESULTS AND DISCUSSION

Educational Philosophy as a Conceptual Foundation for Curriculum

Educational philosophy serves as a conceptual foundation that defines the orientation, objectives, and core principles in curriculum development. A curriculum is not merely a collection of subjects or a technical teaching plan, but a representation of an educational vision encompassing values, developmental directions, and perspectives on humanity and society. It is a systematically arranged programme of learning activities designed to achieve predetermined educational goals (Winata, K.A., et al., 2024). Within this framework, educational philosophy acts as a normative guide, an epistemological basis, and an axiological reference, ensuring that the curriculum remains humanistic, relevant, and responsive to social and technological changes.

From a normative perspective, educational philosophy seeks to answer fundamental questions regarding the purpose of education. Without a philosophical foundation, curricula risk becoming merely technical instruments, devoid of value orientation. The normative aspect emphasises the holistic development of individuals, encompassing intellectual, moral, social, and emotional capacities. For example, progressivism prioritises student-centred learning, real-world experiences, and problem-solving skills, while reconstructionism

views education as a means for social transformation through contextual learning (Siregar, 2022). Hence, educational philosophy ensures that curricula align with humanistic ideals and broader social objectives.

Epistemologically, educational philosophy defines concepts of knowledge—how knowledge is understood, developed, and taught. This principle influences the selection of content, teaching approaches, and assessment methods. Modern curricula, particularly those integrated with digital technology, are expected to combine subject mastery with critical, reflective, and creative thinking. The updated TPACK model highlights that technology integration must be harmonised with pedagogy and content to maintain meaningful learning (Mishra & Koehler, 2020). Without a robust epistemological foundation, digital curricula risk becoming a collection of technology-based materials lacking clear educational direction.

From an axiological standpoint, educational philosophy emphasises the values that should underpin education and how they are translated into the curriculum. Ethics, empathy, social responsibility, and justice must form the core of curriculum design. These values ensure that education produces not only technically competent individuals but also morally responsible citizens. In the digital era, characterised by information overload and rapid technological advancement, an axiological foundation is essential for cultivating learners who are critical and ethical technology users (Rahman & Latifah, 2023).

Although curriculum are shifting towards digitalisation, educational philosophy remains pivotal as a normative, epistemological, and axiological foundation. It safeguards the primary aim of education: nurturing well-rounded individuals intellectually, morally, socially, and emotionally. Progressivism and reconstructionism continue to be relevant in the context of technological development; progressivism emphasises active learning experiences, whereas reconstructionism focuses on contextual social problem-solving—both aligned with the demands of digital learning, which requires active and collaborative engagement (Siregar, 2022).

Furthermore, educational philosophy provides an evaluative framework to address the dominance of technology and the potential commercialisation of education. Digital curriculum not guided by philosophical considerations may erode humanistic dimensions, producing learners who are mere technology users rather than reflective and ethical thinkers (Rahman & Latifah, 2023). Thus, educational philosophy is not merely theoretical but functions as a value-oriented guide, ensuring curricula continue to humanise learners at every stage of development.

Educational Transformation in the Digital Era

Rapid advances in information and communication technology have brought substantial changes to the education system. These changes affect not only the use of devices or learning media but also the direction, objectives, design, and implementation of curricula. This shift stems from technological innovations increasingly influencing teaching strategies and student learning experiences (Victry, E.P., 2024). In the digital era, education is required to be more adaptive, flexible, and responsive to social, cultural, and technological dynamics. This reflects a paradigm shift from conventional teacher-centred models to learner-centred approaches that emphasise competencies and integrate technology in the learning process.

Digitalisation has also shifted the focus of education from mere mastery of academic content to the enhancement of twenty-first-century competencies. The importance of developing these competencies in digital-era learning is increasingly evident due to the rapid changes in the global educational landscape (Ari Whindayat, et al., 2025). Such competencies include: (1) digital literacy, the ability to critically evaluate and utilise digital information; (2) critical and creative thinking skills to analyse complex problems and design innovative solutions; (3) collaboration and communication across various learning contexts, both virtual and face-to-face; and (4) adaptability, the capacity to adjust to technological transformations and social dynamics.

The demands of the digital era also call for curricula that are more flexible, modular, and allow for personalised learning experiences. Curriculum developed in a digital context must create a dynamic educational environment capable of evolving with the times. They should not only focus on knowledge delivery but also support character formation, creativity, and mastery of twenty-first-century competencies. Lifelong learning becomes a crucial orientation for future curriculum, necessitating an education system that provides continuous, flexible, and socially relevant learning experiences. Digital-based curricula open opportunities for more humanistic learning processes and learner empowerment (Hamilaturroya, et al., 2025). These aims can be realised through several characteristic digital-era curriculum approaches:

1. Blended Learning

Blended learning combines face-to-face and online learning, utilising technology to enhance student engagement. This model suits twenty-first-century learners by offering flexibility while maintaining direct interaction with teachers. By integrating in-person sessions and online resources, learners experience a more comprehensive learning process. Each method complements the other, mitigating individual shortcomings. Learners can communicate directly with teachers while freely exploring diverse digital learning sources (Dyah Puspitarini, 2022).

2. Project-Based Learning (PjBL)

PjBL is a project-oriented learning approach that uses technology to address real-world problems. This aligns with constructivist principles, which emphasise knowledge construction through active experience rather than passive reception. Learners engage in meaningful projects integrating multiple disciplines, gaining deep understanding and practical application of the subject matter (Mokh. Iman Firmansah, et al., 2024).

3. Adaptive Learning

Adaptive learning systems adjust content and difficulty levels according to learners' abilities using technology. This approach effectively accommodates individual differences, particularly in

online learning. Through learning analytics, systems monitor learner behaviour, tailor content, and recommend materials or assessments based on actual performance, creating personalised and needs-based learning experiences (Rani, et al., 2025).

Overall, the digital era demands curricula that not only emphasise knowledge acquisition but also cultivate flexible, creative, critically thinking learners capable of innovative problem-solving (Andriani, 2020). Digital curricula should be flexible and contextual, allowing personalised learning and utilising technology as a tool to enrich experiences rather than merely as an instrument. This transformation presents both challenges and opportunities to ensure curricula remain aligned with humanistic educational values.

Integration of Technology in a Philosophy-Based Curriculum

The advancement of digital technology has brought about fundamental changes in educational practice, not only in terms of learning tools and media but also in the design and implementation of curricula. Nevertheless, the use of technology should not be approached mechanistically or merely as a trend to follow. Technology must be positioned as a means to achieve humanistic, ethical, and adaptive educational goals, rather than as an end in itself. This approach requires a balance between content knowledge, pedagogical knowledge, and technological knowledge, as outlined in the updated TPACK model (Mishra & Koehler, 2020).

Educational philosophy provides normative, epistemological, and axiological frameworks that guide the integration of technology into the curriculum. The normative foundation clarifies the purpose of education, which is to develop students who are intelligent, critical, creative, and ethically grounded. The epistemological foundation determines how knowledge is structured and delivered, ensuring that technology is used to enrich the learning experience rather than merely transferring content into digital formats. Meanwhile, the axiological foundation ensures that the digital curriculum continues to instil moral values, character, and social responsibility in students

(Rahman & Latifah, 2023). With this philosophical grounding, technology functions as a means to achieve broader educational objectives: shaping well-rounded human beings rather than merely producing technically proficient users of technology.

Integrating technology into the curriculum is not simply a matter of adding digital devices or online learning media. Its use must be based on pedagogical and philosophical principles, ensuring that technology genuinely supports educational objectives, enhances learning quality, and fosters humanistic values. Therefore, technology implementation grounded in educational philosophy should consider several key principles:

1. Balance between technology and pedagogy.

The use of technology in learning must align with effective pedagogical methods, such as problem-based learning, project-based learning, and digital collaboration. This approach is consistent with the principles of progressivism and reconstructionism, which emphasise the importance of active and contextual learning experiences (Siregar, 2022). Progressivism stresses that education is not merely the transmission of information but involves a series of activities that develop students' thinking comprehensively. Learners are guided to think systematically through the analysis of empirical data and theoretical information. This philosophy seeks to replace authoritarian educational practices with a more democratic approach, valuing students' potential and encouraging their active engagement in the learning process (Afi Rizqiyah et al., 2024).

2. Focus on meaningful learning experiences.

Learning becomes meaningful when students can connect new information with existing knowledge structures, making the process contextual and relevant (Khalifah, AH. et al., 2024). In this context, technology facilitates deep, interactive, and personalised learning experiences, for

example, through digital simulations, virtual laboratories, or online collaborative platforms. This approach places students at the centre of attention, in line with humanist philosophy, which emphasises the holistic development of individual potential—academic, moral, social, and emotional (Atika, CFN. et al., 2023). Humanism views education as a means of cultivating both character and competence, not merely the acquisition of knowledge.

3. **Development of digital literacy and ethics.** Curricula in the digital era must remain grounded in philosophical values that emphasise critical thinking and ethical awareness in the use of technology. Digital literacy encompasses not only the ability to understand and utilise information but also the capacity for reflective and innovative thinking (UNESCO, 2023). Digital ethics require students to use technology and the internet responsibly, safely, and in accordance with moral norms and principles. Understanding digital ethics includes awareness of behaving honestly and courteously online, creating a safe and ethical digital environment (M. Yasfa, SH. et al., 2024).

With a foundation in educational philosophy, the integration of technology into the curriculum is not merely about adding digital tools, but serves as a medium to enrich the learning experience. Technology supports personalised learning, collaboration, and broad access to information, while reinforcing the more fundamental educational aims: the development of critical thinking, creativity, and students' character.

Implications of Educational Philosophy in the Development of Digital Curriculum

Educational philosophy serves as a conceptual foundation in the design of digital curriculum. With this grounding, technology is not used merely as a tool but is directed to align with broader educational objectives, namely the development of character, critical thinking skills, and adaptive abilities in

students. Moreover, educational philosophy emphasises the importance of lifelong learning. In the digital era, where information evolves rapidly and dynamically, the capacity to continue learning and adapting becomes crucial (Mohammad Bahrul Ulum et al., 2024). This has a direct impact on the selection of content, teaching methods, and evaluation strategies, which must consider not only pedagogical aspects but also ethical values and socio-cultural contexts. Consequently, a digital curriculum rooted in educational philosophy can provide learning experiences that are meaningful, relevant, and sustainable for students in the digital age.

Furthermore, educational philosophy plays a strategic role in responding to social dynamics and technological developments. As society changes and technology advances, including in communication and information access, educational philosophy serves as a reference point that enables the education system to adapt and remain relevant (Arni, SH et al., 2024). These changes are seen as opportunities to design learning systems that better meet students' needs and the demands of the times.

Educational philosophy also helps to formulate educational objectives that utilise technology as a means to create learning that is more effective, interactive, collaborative, and globally oriented. Philosophical perspectives emphasise that curriculum development is not merely a technical matter but must also be normative, ethical, and reflective. With this approach, the implications of educational philosophy for curriculum development include:

1. **Varied and Participatory Learning Methods.** Educational philosophy encourages the application of active, creative, and experience-based learning methods. As a conceptual foundation, it guides teachers in understanding educational goals, the learning process, and how students learn effectively (Hesti Apala et al., 2025). With this grounding, teachers can design learning strategies that suit the needs, characteristics, and potential of

students, while creating an inclusive and participatory learning environment. In the context of digital curricula, this is reflected in the use of innovative methods such as blended learning, problem-based learning, gamification, and collaborative projects. Students are not merely recipients of information but actively construct knowledge, develop creativity, and practise problem-solving skills.

2. Meaningful Evaluation and Assessment.

Educational philosophy emphasises that assessment should focus on developing students' abilities and potential, rather than merely measuring memory. In the implementation of digital curricula, this is realised through formative and summative evaluations that assess critical thinking, collaboration, problem-solving, and creativity. For example, project-based or digital portfolio assessments provide a more comprehensive picture of students' progress compared with traditional objective tests.

3. Professional Development of Teachers.

Teachers play a central role as facilitators and mediators in the learning process. Educational philosophy not only provides pedagogical guidance but also shapes the character and competence of teachers so that they can adjust their teaching practices to the developments of the times, including technological advances and social dynamics (Rahmawati & Ismail, 2024). The implications include training and mentoring teachers to use technology effectively in line with educational values. Teachers skilled in technology integration can create learning experiences that are challenging, interactive, and meaningful for students (Samsul Pahmi et al., 2024).

4. Accessibility and Inclusivity. Educational philosophy emphasises the principles of fairness and equal learning opportunities. From a philosophical perspective, education should empower individuals regardless of

social, economic, or geographical differences (Muhammad, RF et al., 2025). In digital curricula, this is realised by ensuring that all students have access to technology and digital learning resources, including students with physical disabilities or those living in remote areas. This approach ensures that educational technology serves as a tool for empowerment rather than a factor that widens inequality.

Overall, educational philosophy provides a strong theoretical foundation for the development of digital curricula. The streams of progressivism, reconstructionism, and critical pedagogy collectively guide the formulation of humanistic curriculum objectives, the design of contextual, active, and collaborative learning experiences, and ensure that the integration of technology preserves the human values of students.

CONCLUSION

Educational philosophy remains a strategic foundation in curriculum development in the digital era. It provides value orientation, meaning, and direction for the transformation of education, which is increasingly influenced by technology. Through ontological, epistemological, and axiological considerations, philosophy ensures that the use of technology does not merely enhance the efficiency of learning but also safeguards the integrity of education's humanistic aims. Its relevance is reflected in philosophy's capacity to balance the need for digital competence with the development of character, critical literacy, and reflective thinking skills. Consequently, curricula developed in the digital era should be grounded in philosophical principles that ensure the ethical integration of technology. A philosophy-based curriculum promotes inclusive education and fosters the development of students as empowered, adaptive, and responsible global citizens.

REFERENCES

- Abi, S.M. (2023). Analysis of the Merdeka Curriculum in Developing 21st-Century Skills at MTS Negeri 2 Jember. *Literasi: Jurnal Ilmiah Pendidikan Madrasah*, 1(2), 369–384.
- Afi, R., Fahmi, M., & Chovifah, A. (2024). Progressivism and Reconstructionism in the Perspective of Islamic Education. *Al Ulya: Jurnal Pendidikan Islam*, 9(1). <https://journal.unugiri.ac.id/index.php/al-ulya/article/download/2793/1401/11383>
- Andriani, T. (2020). Digital Curriculum and the Challenges of 21st-Century Competencies. *Jurnal Pendidikan dan Teknologi*, 5(2), 112–123.
- Anisa, P.S., Munir. (2024). Utilising Digital Technology in Learning Innovation to Enhance Classroom Effectiveness. *Teknologi Transformasi Digital (Digitech)*, 4(2). <https://jurnal.itscience.org/index.php/digitech/article/view/5127/3920>
- Ari, W.R.N., Siti, F.Y., Dwi, H. (2025). Strengthening 21st-Century Competencies in Learning in the Digital Era: Challenges and Strategies for Indonesian Educators. *Pendas: Jurnal Ilmiah Pendidikan Dasar*, 10(4). <https://journal.unpas.ac.id/index.php/pendas/article/view/35543>
- Arni, S.H., Ismail. (2024). Exploring the Role of Educational Philosophy in Developing Critical Thinking in the Technological Era. *JUPEIS: Jurnal Pendidikan dan Ilmu Sosial*, 3(1). <https://jurnal.jomparnd.com/index.php/jp27>
- Atika, C.F.N., Prasetyo, S., Wulandari, N. F., Chairy, A. (2023). The Concept of Education from a Humanist Philosophical Perspective in the Merdeka Belajar and Kampus Merdeka (MBKM) Curriculum. *Jurnal Filsafat Indonesia*, 6(2). <https://shorturl.at/v1rjw>
- Dyah, P. (2022). Blended Learning as a 21st-Century Learning Model. *Ideguru: Jurnal Karya Ilmiah Guru*, 7(1). <https://jurnal-dikpora.jogjaprovo.go.id/>
- Fadhilah, S.A.A., Ismail, L.S. (2024). Educational Philosophy and the Transformation of the 21st-Century Curriculum: Integrating Life Skills with Technology. *Jurnal Biogenerasi*, 10(1). <https://ejournal.my.id/biogenerasi/article/view/5002/3217>
- Ferti, S., Deriwanto. (2022). Implementation of Progressivism Philosophy in Character Education. *Pendidikan Guru 2022 Literasi Kita Indonesia*, 4.
- Hamilaturoyya, I. Z. A. (2025). Dynamics of Curriculum Development in the Digital Era in Addressing the Gap Between Concept and Practice. *LEARNING: Jurnal Inovasi Penelitian Pendidikan dan Pembelajaran*, 5(3). <https://jurnalp4i.com/index.php/learning>
- Hesti, A., Rahmat, H., Mahdatul, A.P., Muhammad, N. (2025). The Influence of Educational Philosophy on the Implementation of the Merdeka Curriculum for Teachers and Students in Primary Education. *J-Diteksi (Jurnal Pendidikan Teknologi Informasi)*, 4(1). <https://shorturl.at/lksHy>
- Kholifah, H., N. N., Zahra Aulia, Dede, S. (2023). Meaningful Learning in Thematic Learning. *Student Scientific Creativity Journal (SSCJ)*, 1(1). <https://journal.amikveteran.ac.id/index.php/sscj/article/download/1142/933>

- Mishra, P., & Koehler, M. J. (2006). Technological Pedagogical Content Knowledge: A Framework for Teacher Knowledge. *Teachers College Record*, 108(6), 1017–1054.
- Mohammad, B. U., Wiwin, W. (2024). The Role of Educational Philosophy in Character Building of Students in the Digital Era. *Paradigma: Jurnal Filsafat, Sains, Teknologi, dan Sosial Budaya*, 30(2). <https://ejurnal.uibu.ac.id/index.php/paradigma/article/view/1530>
- Mokhammad, I.F., Saepul, A., Indah, P., Sudirman. (2024). Project-Based Learning (PjBL) Model: Definition, Elements, and Its Implications in Islamic Religious Education. *TAKLIM: Jurnal Pendidikan Agama Islam*, 22(2). <https://ejournal.upi.edu/index.php/taklim>
- Muhammad, R.F., Purwoko, B., Susarno, L. H. (2025). Educational Issues in Indonesia and Efforts to Overcome Them: A Philosophy of Science Perspective. *JlIP (Jurnal Ilmiah Ilmu Pendidikan)*, 8(2). <https://shorturl.at/ukZvZ>
- Mukhlisin, Y.S.H., Meliana, N., Lestari, A. C., Purnamiasih, N. N., & Sla, A. (2024). Integrating Digital Literacy in Teaching Ethics to Technology Users: A Case Study of SMK IT Nurul. *Social: Jurnal Inovasi Pendidikan IPS*, 4(4). <https://jurnalp4i.com/index.php/social/article/download/3789/3139/26540>
- Nurjannah. (2022). Curriculum Development in Enhancing Digital Literacy and Character Formation of Students. *Jurnal Basicedu*, 6(4). <https://jbasic.org/index.php/basicedu>
- Rahman, A., & Latifah, N. (2023). Critical Philosophy as a Basis for Digital Curriculum Evaluation. *Jurnal Filsafat dan Pendidikan*, 14(1), 33–49.
- Rahmawati, & Ismail. (2024). The Role of Educational Philosophy in Determining Teacher Character and Type in the Modern Era. *Pendas: Jurnal Ilmiah Pendidikan Dasar*, 9(4). <https://journal.unpas.ac.id/index.php/pendas/article/view/20404>
- Rani, J., Lubis, A., & Setiawan, A. (2025). Adaptive Learning in Instructional Design: A Strategic Approach to Increase Student Engagement in Higher Education E-Learning. *Pendas: Jurnal Ilmiah Pendidikan Dasar*, 10(2). <https://shorturl.at/xznkm>
- Samsul, P., Wiwin, W., Giri, V., Oktavia, R., Mutiara, A. (2024). The Role of Philosophy of Education in Developing Teacher Professionalism in Primary Schools: A Literature Review. *Jurnal Belaindika: Pembelajaran dan Inovasi Pendidikan*, 6(2). <https://belaindika.nusaputra.ac.id/index>
- Selviani, A.M., Agus, P., Sri, R. (2025). 21st-Century Curriculum Development in Primary Education: Examining the Nature, Principles, and Philosophical Foundations in the Digital Era. *Jurnal Ilmiah Pendidikan Dasar*, 10(2). <https://journal.unpas.ac.id/index.php/pendas/article/view/24865/14172>
- Siregar, R. (2022). The Relevance of Progressivism in Developing Technology-Based Curricula. *Jurnal Kurikulum Kontemporer*, 7(1), 21–32.
- Sukron, M., Nada, S.S. (2025). The Nature of Curriculum from Modern and Islamic

- Education Perspectives. *Jurnal Manajemen Pendidikan Islam*, 2(1).
- UNESCO. (2023). *Global Education Monitoring Report 2023: Technology in Education*. UNESCO.
- Utami, D., & Kurniawan, B. (2021). Integrating Character Values in a Technology-Based Curriculum. *Jurnal Inovasi Pendidikan Indonesia*, 11(3), 201–214.
- Victry, E.P. (2024). Education Transformation in the Digital Era: Challenges and Opportunities. *Indonesian Research Journal on Education*, 4(3). <https://irje.org/index.php/irje>
- Winata, K. A., Mudji, H., Muhammad, M.M., Tatang, S. (2024). Evaluation of the Effectiveness of Competency-Based Curriculum (KBK) in Enhancing Students' Practical Skills. *Jurnal Al-Qiyam*, 5(1). <https://ojs.staiafurgan.ac.id/alqiyam/article/view/706>