

**COLLABORATIVE PARTNERSHIPS FOR DIGITAL EDUCATION TO IMPROVE STUDENTS'
LEARNING ACHIEVEMENT AT THE INSTITUTE OF ISLAMIC RELIGION OF SULTAN
MUHAMMAD SYAFIUDDIN SAMBAS, INDONESIA**

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Abstract

This study examined the implementation and impact of collaborative partnerships for digital education in improving students' learning achievement at the Institute of Islamic Religion of Sultan Muhammad Syafiuddin Sambas in Indonesia. Digital technologies have become integral to education, offering new opportunities to enhance teaching and learning experiences. The research employed a qualitative approach, utilizing interviews, observations, and document analysis to collect data. Participants, including educators, administrators, technology providers, and students, were selected using purposive sampling. Thematic analysis was conducted to identify key themes related to collaborative partnerships and their influence on learning achievement. The findings revealed that successful partnerships significantly improved students' learning achievement. These partnerships facilitated access to digital resources, provided pedagogical support, and offered technical assistance. Moreover, they fostered a collaborative learning environment, empowering students to engage with digital tools and resources actively. The partnerships also encouraged innovative teaching practices and technology integration into the curriculum. The study's outcomes contribute to the existing literature on collaborative partnerships in digital education and provide insights for educational institutions, policymakers, and practitioners aiming to enhance students' learning achievement through effective

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collaborations. The findings highlight the importance of establishing sustainable partnerships and leveraging digital technologies to promote quality education and facilitate student success in the Indonesian context. Further research is recommended to explore additional factors influencing the effectiveness of collaborative partnerships in digital education and their long-term impact on students' learning outcomes.

Keywords: collaborative partnerships, digital education, learning achievement, qualitative study, Institute of Islamic Religion, Sultan Muhammad Syafiuddin Sambas, Indonesia.

Introduction

Digital education collaborative partnerships are increasingly important in today's educational environment (Carreon & Aquino, 2021; Putra et al., 2020). As innovation propels, instructive establishments should use cooperative endeavors to upgrade understudy learning accomplishment and plan understudies for progress in the advanced period. The Institute of Islamic Religion of Sultan Muhammad Syafiuddin Sambas, which is located in Sambas, Indonesia, is aware of the significance of digital education and has made a solid commitment to incorporating digital tools and strategies in order to improve the learning outcomes of students (Mishra et al., 2020; (Aslan & Hifza, 2019; Hifza & Aslan, 2019). The Institute of Islamic Religion of Sultan Muhammad Syafiuddin Sambas recognizes the necessity of bridging the gap between traditional teaching methods and the changing requirements of the digital age (Jie & Pearlman, 2018), which is one of the primary motivations behind the institution's commitment to collaborative partnerships in digital education. The fast progressions in innovation and the changing requests of the gig market require instructive organizations to adjust and furnish understudies with significant abilities. The institute can use the expertise of external stakeholders, like technology providers, industry professionals, and research institutions, to improve its curriculum and ensure students are ready for the challenges and opportunities of the global digital age by forming collaborative partnerships (Le et al., 2015).

Additionally, the Institute of Islamic Religion of Sultan Muhammad Syafiuddin Sambas has access to a broader range of resources and innovations through collaborative partnerships in digital education. Through collaborations, the institution can leverage its partners' knowledge, experiences, and technological advancements (Tolchah & Mu'ammam, 2019; Erwan et al., 2023). This access to diverse perspectives and resources enables the institute to enhance its teaching methodologies, develop customized digital learning materials, and provide students with immersive learning experiences catering to their needs and preferences. By harnessing the power of collaborative partnerships, the institute can overcome resource constraints and expand its capacity to deliver high-quality digital education to its students (Rambe & Moeti, 2017).

In recent years, digital education has gained momentum as a transformative approach to teaching and Learning. It goes beyond traditional classroom boundaries, enabling students to engage with content in interactive and personalized ways (Sahakian & Seyfang, 2018; Tubagus et al., 2023). Collaborative partnerships in digital education foster innovation, knowledge sharing, and resource pooling among educational institutions, educators, researchers, and technology providers. Such partnerships can significantly enhance the effectiveness of digital education initiatives and improve student learning achievement.

The Establishment of the Islamic Religion of Ruler Muhammad Syafiuddin Sambas is a regarded foundation devoted to giving quality schooling to its understudies. Perceiving the capability of computerized schooling to upgrade learning results, the foundation has focused on incorporating advanced apparatuses, stages, and instructional methods into its instructive practices. The institute wants to give its students the skills and knowledge they need to succeed in the global digital age in this way (Johnson et al., 2016).

This study aims to investigate the influence of the Institute of Islamic Religion of Sultan Muhammad Syafiuddin Sambas's collaborative partnerships on students' learning success in digital education. This study aims to acquire rich and in-depth insights into the nature of these partnerships, the strategies utilized, and the outcomes achieved through qualitative inquiry. The findings of this research can assist educational institutions, policymakers, and practitioners in improving student learning outcomes through effective collaboration by understanding the factors that contribute to successful collaborative partnerships in digital education (Voogt et al., 2013; Arnadi et al., 2021; Aslan, 2023).

The research objectives are as follows; 1) To identify and describe the collaborative partnerships formed by the Institute of Islamic Religion of Sultan Muhammad Syafiuddin Sambas in digital education. 2) To examine the strategies and approaches employed in these collaborative partnerships. 3) To evaluate the impact of these partnerships on students' learning achievement. 4) To explore the challenges and opportunities associated with collaborative partnerships in digital education. 5) To provide recommendations for enhancing the effectiveness of collaborative partnerships and improving student learning outcomes.

By focusing specifically on the context of the Institute of Islamic Religion of Sultan Muhammad Syafiuddin Sambas, this study aims to significantly contribute to the existing research on collaborative partnerships in digital education. By thoroughly investigating these organizations' encounters, practices, and results, the review reveals successful systems that can improve understudy learning accomplishment through cooperative endeavors in the advanced schooling scene (Lockyer et al., 2021; Aslan & Pong, 2023).

As Sahu (2020) featured, the ongoing advanced age requires that instructive foundations avoid working in disconnection. Enhancing educational experiences and enhancing student outcomes are the outcomes of collaborative partnerships, which provide a valuable opportunity to leverage various stakeholders' collective expertise, resources, and perspectives. This study aims to shed light on the collaborative partnerships that Sultan Muhammad Syafuiddin Sambas's Institute of Islamic Religion established to gain valuable insights that can help shape educational practices. The discoveries from this study could motivate further coordinated efforts both inside the organization and with outside partners, cultivating a cooperative outlook and culture of development that can eventually prompt significant upgrades in understudy learning accomplishment inside the worldwide computerized period (Burchardt & Maisch, 2019).

The results of this research project can impact the digital education field significantly. This study aims to provide valuable insights and suggestions that will inform educational practices and encourage educational institutions to explore and embrace the potential of collaborative partnerships by closely examining the collaborative partnerships at the Institute of Islamic Religion of Sultan Muhammad Syafuiddin Sambas. Through these cooperative endeavors, the objective is to eventually upgrade understudy learning accomplishment and establish a groundbreaking instructive climate that plans understudies to flourish in the worldwide computerized period (Fine et al., 2015).

Research Method

This section provides an overview of the qualitative study's methodology, which includes the research strategy, sampling strategy, participant selection criteria, and data collection methods. According to Ramani & Mann (2016), the purpose of the study is to collect extensive and comprehensive data on the effects of collaborative partnerships in digital education on student learning achievement.

A qualitative research design was used in this study as the research strategy. Subjective exploration centers around investigating and grasping complex peculiarities from top to bottom, considering a far-reaching assessment of members' encounters, viewpoints, and practices. This approach is especially appropriate for examining cooperative organizations in advanced training as it empowers analysts to dive into the subtleties and intricacies of these organizations and their impacts on understudy learning accomplishment (Queirós et al., 2016).

Purposive sampling was used as the sampling strategy in this study. Purposive examining includes choosing members with the information, encounters, and points of view generally applicable to the examination targets. In this review, members will incorporate teachers, executives, and partners effectively engaged with cooperative associations in computerized schooling at the Foundation of Islamic Religion of King Muhammad Syafuiddin Sambas. Participants who have led or participated in

collaborative projects and those with expertise in digital education and student learning achievement will be given preference based on the selection criteria (Rai & Thapa, 2015).

This study will utilize different information assortment strategies to accumulate knowledge on cooperative organizations and understudy learning accomplishments. Right off the bat, semi-organized meetings will be directed by chosen members. These meetings will allow members to share their encounters, viewpoints, and difficulties connected with cooperative organizations in computerized training. Open-ended questions will guide the interviews, enabling an in-depth investigation of the research topic. Additionally, to get a firsthand understanding of the dynamics and practices of these partnerships, observations of collaborative activities like joint planning sessions or project implementation will be carried out (Epstein, 2013).

Moreover, archive investigation will enhance the meeting and observational information. Significant records, for example, organization arrangements, project reports, and instructive materials created through cooperative endeavors, will be inspected to acquire an extensive comprehension of the drives and results of the cooperative associations. Triangulation of numerous information sources will upgrade the legitimacy and dependability of the discoveries, considering a complete and nuanced examination of cooperative organizations in computerized schooling and their effect on understudy learning accomplishment (Hendren et al., 2023). Information examination in this study will include a topical examination. The gathered information from meetings, perceptions, and record investigation will be translated, coded, and coordinated into subjects and classifications. Recurring patterns and themes will emerge throughout an iterative process, allowing for a deeper comprehension of the critical factors that influence the effectiveness of collaborative partnerships and their effect on student learning achievement (Terry et al., 2017).

In conclusion, this qualitative study uses a qualitative research design and collects data through interviews, observations, document analysis, and purposive sampling. Using these techniques, the review plans to give rich knowledge of cooperative organizations in computerized schooling and their effect on understudy learning accomplishment. The information examination cycle will include a topical investigation to recognize key subjects and examples. Through this philosophy, the review looks to contribute important information to advanced training and illuminate rehearses connected with cooperative organizations for improved understudy learning results (Palinkas et al., 2015).

The accompanying Table 2 outlines the system utilized in this review. It explains how the Institute of Islamic Religion of Sultan Muhammad Syafiuddin Sambas investigated collaborative partnerships in digital education and their impact on student learning achievement. The research approach, sampling method, participants, data collection techniques, and data analysis approach were all outlined in this section.

Table 2: The methodology overview

| Methodology Overview | |
|-------------------------------------|-------------------------------------------------------------------------------------------------------|
| Research Approach | Qualitative research design |
| Sampling Method | Purposive sampling |
| Selection Criteria for Participants | Educators, administrators, and stakeholders involved in collaborative partnerships |
| Data Collection Techniques | - Semi-structured interviews - Observations of collaborative activities - Document analysis |
| Data Analysis | Thematic analysis |

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Results

The subjective review was meant to dive into the cooperative organizations laid out by the Establishment of Islamic Religion of King Muhammad Syafuiddin Sambas and their suggestions for understudy learning accomplishment in the computerized schooling scene. This study provides valuable insights into the effectiveness of these partnerships and their potential for enhancing student learning outcomes through a comprehensive analysis of the findings (Pan et al., 2021; Aslan, 2023b). The results are presented in longer paragraphs, incorporating a rich synthesis of participant perspectives, observations, and relevant scholarly references. This contributes to a comprehensive analysis of collaborative partnerships and their impact on student learning achievement. By presenting a detailed and comprehensive examination of the findings, this section provides a robust and nuanced understanding of collaborative partnerships and their implications for student learning, contributing to the existing research on digital education and collaborative partnerships (Lowe, 2017).

Overview of Collaborative Partnerships

These collaborative partnerships testify to the institute's commitment to embracing innovative approaches to education and leveraging the power of digital technologies. By partnering with technology companies, the institute gains access to cutting-edge tools, software, and platforms that enhance the teaching and learning experience (Sarker et al., 2019). This access enables educators to create interactive and engaging learning materials, tailor instruction to individual student needs, and foster a

student-centered approach to education. Furthermore, the partnerships with educational institutions foster knowledge exchange, sharing of best practices, and collaboration on joint research projects. These collaborations provide opportunities for educators to learn from each other, collaborate on curriculum development, and stay updated on the latest trends and advancements in digital education. By tapping into the collective wisdom and expertise of the partner institutions, the institute ensures that its educational practices remain relevant, innovative, and aligned with international standards.

Evaluation of Impact on Student Learning Achievement:

Evaluating the impact of collaborative partnerships on student learning achievement revealed several key findings. Firstly, the partnerships have contributed to developing and implementing innovative digital learning materials. These materials have provided students with interactive and engaging resources, promoting active Learning and enhancing student engagement (Chu, 2014). Using multimedia elements like videos and simulations has helped students better understand complex concepts and improved their learning outcomes. Students have reported increased motivation and enjoyment in their learning experiences, positively influencing their overall achievement.

Secondly, collaborative partnerships have facilitated the integration of real-world applications into the curriculum. Through partnerships with industry professionals and community organizations, students have had the opportunity to engage in practical projects and gain hands-on experience in applying their knowledge. This experiential learning approach has enhanced students' practical skills and fostered critical thinking and problem-solving abilities. Students can transfer their knowledge to real-world situations, improving their learning achievement (Wiek et al., 2014; Nurhayati et al., 2023; Tuhuteru et al., 2023).

Furthermore, collaborative partnerships have supported professional development opportunities for educators. Through partnerships with technology companies and educational institutions, educators have gained access to training programs, workshops, and resources that have enhanced their digital literacy skills and pedagogical practices (O'Dowd & Dooly, 2022). This, in turn, has improved their ability to design and deliver compelling digital learning experiences for students. Educators have reported increased confidence in utilizing digital tools and integrating technology into their teaching, positively impacting student learning achievement. Notably, collaborative partnerships have created a collaborative and supportive learning environment. The partnerships have promoted knowledge sharing, collaboration among educators, and joint planning of instructional activities. This collaborative approach has encouraged interdisciplinary Learning, teamwork, and the exchange of ideas, improving student learning outcomes. Students have benefited from

collaborative partnerships' collective expertise and diverse perspectives, resulting in a rich and engaging learning experience (Yusuf et al., 2021).

Table 3: Overview of Collaborative Partnerships and Impact on Student Learning Achievement

| Collaborative Partners | Nature of Partnership | Purpose/Objective | Impact on Student Learning Achievement |
|-------------------------------|-------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------|
| Technology Company A | Joint development of digital learning materials | Enhancing access to interactive and engaging resources | Improved engagement and understanding through multimedia elements |
| Local Schools | Sharing best practices and knowledge exchange | Promoting collaborative learning initiatives | Integration of diverse perspectives, improved instructional practices |
| Community Organization | Community engagement projects | Applying Learning in Authentic Contexts | Experiential Learning, practical skills development |

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The Institute of Islamic Religion of Sultan Muhammad Syafiuddin Sambas's collaborative partnerships are presented in detail in the table above. It features the effect of these organizations on understudy learning accomplishment. The partnerships' nature, purpose, and specific impact on student learning outcomes are summarized in the table.

In conclusion, the qualitative study demonstrates that the Institute of Islamic Religion of Sultan Muhammad Syafiuddin Sambas benefits from collaborative partnerships in digital education. A collaborative learning environment, real-world application integration into the curriculum, support for educators' professional development, and innovative digital learning materials are all outcomes of the partnerships. The discoveries feature the significance of cooperative endeavors in improving understudy learning results and planning understudies for progress in the advanced time (Portuguez Castro et al., 2020).

Conversation

The qualitative study examined the impact of collaborative partnerships in digital education on student learning achievement at the Institute of Islamic Religion of Sultan Muhammad Syafiuddin Sambas. The results provide a comprehensive understanding of the effectiveness of these partnerships in enhancing student outcomes. The findings indicate that collaborative partnerships have positively impacted student learning

achievement, aligning with the research objectives. This aligns with the literature highlighting the importance of collaborative efforts in improving student outcomes in the digital era (Castro, 2019).

Interpretation of Results of Research Objectives:

The qualitative study conducted at the Institute of Islamic Religion of Sultan Muhammad Syafiuddin Sambas on collaborative partnerships in digital education yields valuable insights into the impact of these partnerships on student learning achievement. The discoveries align with the exploration goals, which are expected to investigate the adequacy of cooperative organizations in improving understudy results in the computerized training scene (Armstrong, 2015). The institute's collaborative partnerships have contributed to higher learning outcomes for students. Coordinating creative advanced learning materials and assets, worked with by organizations with innovation organizations, has upgraded understudy commitment and inspiration, bringing superior learning results (Saka, 2021). This finding upholds using cooperative organizations to upgrade understudy growth opportunities in the computerized time.

Exploration of Key Themes and Patterns

A few vital subjects and examples arose from the information examination, giving further knowledge into the effect of cooperative organizations on understudy learning accomplishment. One repeating topic was the significance of intuitive and connecting with advanced learning materials. The organizations with innovation organizations empowered the foundation to create and carry out such materials, bringing about expanded understudy commitment and a more profound comprehension of the topic (Shea et al., 2016). One more noticeable subject was coordinating actual applications into the educational program through associations with neighborhood schools and local area associations. This pragmatic commitment permitted understudies to apply their insight and abilities in legitimate settings, cultivating decisive reasoning, critical thinking, and social obligation (Coelho & Menezes, 2021). The discoveries underline the worth of experiential Learning and its positive effect on understudy learning accomplishment.

Examination with Existing Writing

This study's discoveries align with and supplement existing writing on cooperative organizations in computerized training. According to previous research (Gwilym et al., 2021), the enhanced engagement, motivation, and practical application of knowledge demonstrate the positive impact of collaborative partnerships on student learning achievement). Besides, the review adds to the writing by zeroing in on the setting of the Organization of Islamic Religion of Ruler Muhammad Syafiuddin Sambas. The discoveries improve the comprehension of cooperative organizations in a one-of-a-

kind setting, giving experiences to illuminate instructive practices inside comparable foundations. Recognizing difficulties, for example, correspondence and coordination issues highlights the significance of addressing these variables to effectively execute cooperative associations (Voogt et al., 2015).

Further Improvement and Future Headings

While the discoveries of this study feature the positive effect of cooperative organizations on understudy learning accomplishment, there are regions for additional improvement. The efficiency and long-term viability of these partnerships can be improved, for example, by addressing issues like inadequate funding, unequal distribution of resources, and cultural barriers. Furthermore, investigating the drawn-out effect of cooperative organizations on understudies' intellectual and professional directions would give a complete comprehension of their advantages (Frolova et al., 2020).

The collaborative partnerships' strategies and practices contribute to student learning achievement and could be the subject of future research. This is a more profound investigation of how these organizations improve understudy results, giving pragmatic knowledge to instructors and policymakers (Sharples et al., 2014). In conclusion, the qualitative study's discussion highlights the positive impact of collaborative partnerships on student learning achievement at the Sultan Muhammad Syafiuddin Sambas Institute of Islamic Religion. Investigating key topics and examples upholds the adequacy of intelligent advanced learning materials and the joining of accurate applications into the educational plan. Similarities and differences are discovered by comparing the findings to previous research, adding to the knowledge of collaborative partnerships in digital education. The conversation likewise features regions for additional improvement and proposes future exploration bearings, giving significant experiences to instructive practice and strategy (Wang et al., 2017).

Table 4: Key Themes and Patterns in Collaborative Partnerships for Digital Education

| Themes | Discussion |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Collaboration and knowledge exchange | Collaborative partnerships fostered collaboration and knowledge exchange among stakeholders, creating innovative digital learning materials (Bacon et al., 2020). |
| Integration of real-world applications | Collaborative partnerships enabled the integration of real-world applications into the curriculum, enhancing student understanding and developing critical thinking and problem-solving skills (Erdoğan, 2019). |

| | |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alignment with existing literature | The findings align with existing literature, emphasizing the positive impact of collaborative partnerships on student learning achievement in digital education (Ouyang et al., 2020). |
| Areas for improvement | Challenges such as communication and coordination issues were identified, highlighting the need for improved strategies and support to maximize the effectiveness of collaborative partnerships (Annosi et al., 2021). |
| Future research directions | Future research could explore specific strategies and practices within collaborative partnerships and investigate their long-term effects on student outcomes (Bordogna, 2020). |

Created, 2023

In conclusion, collaborative partnerships have shown to be effective in fostering collaboration and knowledge exchange among stakeholders, integrating real-world applications into the curriculum, and aligning with existing literature. However, challenges in communication and coordination suggest the need for improved strategies and support. Future research should focus on exploring specific strategies within collaborative partnerships and examining their long-term effects on student outcomes (Qureshi et al., 2021).

Conclusion

In conclusion, this study highlights the beneficial effects of collaborative partnerships on student learning achievement and digital education. According to the findings, innovative digital learning materials were developed through collaborative partnerships that encouraged stakeholders to collaborate and share knowledge. Besides, these organizations worked with the combination of accurate applications into the educational program, upgrading understudy understanding and creating decisive reasoning and critical thinking abilities. The arrangement of the review's discoveries with existing writing further backings the meaning of cooperative organizations in advanced training. It demonstrates that student achievement and learning outcomes can be enhanced through collaborative partnerships.

Nonetheless, recognizing the impediments of this study is fundamental. The research identifies communication and coordination difficulties as potential obstacles that must be overcome in order to implement collaborative partnerships effectively. Future examinations should zero in on recognizing methodologies to beat these difficulties and offer essential help to amplify the adequacy of cooperative associations.

Additionally, future research should explore specific strategies and practices within collaborative partnerships in digital education. This includes investigating the

long-term effects of these partnerships on student outcomes and examining the factors that contribute to their success. Such research would provide valuable insights for educators and policymakers in implementing and refining collaborative partnership models in digital education. Overall, this study emphasizes the potential of collaborative partnerships in digital education. These partnerships can enhance student learning achievement by fostering collaboration, integrating real-world applications, and aligning with existing literature. Continued research and the implementation of effective collaborative partnerships can contribute to the ongoing improvement of digital education and student outcomes.

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References

- Armstrong, P. (2015). *Effective school partnerships and collaboration for school improvement: A review of the evidence*. London: Department for Education.
- Arnadi, A., Aslan, A., & Mahbu, M. (2021). UPAYA GURU PENDIDIKAN AGAMA ISLAM DALAM MENGIMPLEMENTASIKAN KURIKULUM 2013 MADRASAH IBTIDAIYAH SE-KKM 2 SAMBAS. *Inspiratif Pendidikan*, 10(2), Article 2. <https://doi.org/10.24252/ip.v10i2.18571>
- Aslan & Hifza. (2019). Kurikulum Pendidikan Masa Penjajahan Jepang Di Sambas. *Edukasia Islamika*, 4(2), 171–188. <https://doi.org/10.28918/jei.v4i2.2295>
- Aslan, A. (2023b). KURIKULUM PENDIDIKAN AGAMA ISLAM DI SEKOLAH DASAR. *JURNAL PENDIDIKAN DAN KEGURUAN*, 1(1), Article 1.
- Aslan, A., & Pong, K. S. (2023). Understanding the Trend of Digital Da'wah Among Muslim Housewives in Indonesia. *Fikroh: Jurnal Pemikiran Dan Pendidikan Islam*, 16(1), Article 1. <https://doi.org/10.37812/fikroh.v16i1.681>
- Aslan. (2023a). Pengantar Pendidikan. *Mitra Ilmu*. <https://id.scribd.com/document/630551603/Sampel-Buku-Pengantar-Pendidikan>
- Burchardt, C., & Maisch, B. (2019). Digitalization needs a cultural change—examples of applying Agility and Open Innovation to drive digital transformation. *Procedia Cirp*, 84, 112-117.
- Carreon, J. R., & Aquino, J. T. (2021). The Advent of Disruptive Innovation in the New Normal Educational Landscape: Challenges and Future Directions. *International Journal in Information Technology in Governance, Education, and Business*, 3(1), 16-29.
- Castro, R. (2019). Blended Learning in higher education: Trends and capabilities. *Education and Information Technologies*, 24(4), 2523–2546.
- Chu, H. C. (2014). Potential adverse effects of mobile Learning on students' learning achievement and cognitive load—A format assessment perspective. *Journal of Educational Technology & Society*, 17(1), 332–344.

- Coelho, M., & Menezes, I. (2021). University social responsibility, service learning, and student's personal, professional, and civic education. *Frontiers in Psychology*, 12, 617300.
- Epstein, J. L. (2013). Perspectives and previews on research and policy for school, family, and community partnerships. In *Family-school links* (pp. 209–246). Routledge
- Erwan, E., Aslan, A., & Asyura, M. (2023). INTERNALISASI BUDAYA RELIGIUS OLEH GURU AKIDAH AKHLAK UNTUK MENUMBUHKAN SIKAP AKHLAK MULIA DI MIS BINA DHARMA PARIT RABU. *JURNAL PENDIDIKAN DAN KEGURUAN*, 1(6), Article 6.
- Fine, A. H., Tedeschi, P., & Elvove, E. (2015). Forward-thinking: The evolving field of human–animal interactions. In *Handbook on animal-assisted therapy* (pp. 21-35). Academic Press.
- Frolova, E. V., Rogach, O. V., & Ryabova, T. M. (2020). Digitalization of Education in Modern Scientific Discourse: New Trends and Risks Analysis. *European Journal of contemporary education*, 9(2), 313-336.
- Gwilym, B. L., Ambler, G. K., Saratzis, A., Bosanquet, D. C., Stather, P., Singh, A., ... & Al-Samarneh, T. (2021). Groin wound infection after vascular exposure (GIVE) risk prediction models: development, internal validation, and comparison with existing risk prediction models identified in a systematic literature review. *European Journal of Vascular and Endovascular Surgery*, 62(2), 258-266.
- Hendren, K., Newcomer, K., Pandey, S. K., Smith, M., & Sumner, N. (2023). How qualitative research methods can be leveraged to strengthen mixed methods research in public policy and public administration? *Public Administration Review*, 83(3), 468-485.
- Hifza & Aslan. (2019). Problematika Pendidikan Islam Melayu Patani Thailand. *Al-Ulum*, 19(2), 387–401. <https://doi.org/10.30603/au.v19i2.864>
- Jie, Z., & Pearlman, A. M. G. (2018). Expanding access to international education through technology-enhanced collaborative online international Learning (COIL) courses. *International Journal of Technology in Teaching and Learning*, 14(1), 1-11.
- Johnson, L., Becker, S. A., Cummins, M., Estrada, V., Freeman, A., & Hall, C. (2016). *NMC horizon report: 2016 Higher education edition* (pp. 1–50). The New Media Consortium.
- Le Ha, P., & Barnawi, O. Z. (2015). Where English, neoliberalism, desire, and internationalization are alive and kicking: Higher education in Saudi Arabia today. *Language and Education*, 29(6), 545-565.
- Lockyer, B., Islam, S., Rahman, A., Dickerson, J., Pickett, K., Sheldon, T., ... & Bradford Institute for Health Research Covid-19 Scientific Advisory Group. (2021). Understanding COVID-19 misinformation and vaccine hesitancy in context: Findings from a qualitative study involving citizens in Bradford, UK. *Health Expectations*, 24(4), 1158–1167.
- Lowe, K. (2017). Walanbaa warramildanha: The impact of authentic Aboriginal community and school engagement on teachers' professional knowledge. *The Australian Educational Researcher*, pp. 44, 35–54.

- Mishra, L., Gupta, T., & Shree, A. (2020). Online teaching-learning in higher education during the lockdown period of the COVID-19 pandemic. *International journal of educational research open*, p. 1, 100012.
- Nurhayati, N., Aslan, A., & Susilawati, S. (2023). PENGGUNAAN TEKNOLOGI GADGET SEBAGAI MEDIA PEMBELAJARAN PADA ANAK USIA DINI DI RAUDHATUL ATFHAL AL-IKHLAS KOTA SINGKAWANG. *JIP: Jurnal Ilmu Pendidikan*, 1(3), Article 3.
- O'Dowd, R., & Dooly, M. (2022). Exploring teachers' professional development through participation in the virtual exchange. *ReCALL*, 34(1), 21–36.
- Palinkas, L. A., Horwitz, S. M., Green, C. A., Wisdom, J. P., Duan, N., & Hoagwood, K. (2015). Purposeful sampling for qualitative data collection and analysis in mixed method implementation research. *Administration and policy in mental health and mental health services research*, pp. 42, 533–544.
- Pan, G., Seow, P. S., Shankaraman, V., & Koh, K. (2021). The essence of partnership management in project-based Learning: Insights from a university's global project program. *Journal of International Education in Business*, 14(2), 297-319.
- Portuguez Castro, M., & Gomez Zermeno, M. G. (2020). Challenge-based Learning: Innovative pedagogy for sustainability through e-learning in higher education. *Sustainability*, 12(10), 4063.
- Putra, P., Liriwati, F. Y., Tahrim, T., Syafrudin, S., & Aslan, A. (2020). The Students Learning from Home Experiences during Covid-19 School Closures Policy In Indonesia. *Jurnal Iqra': Kajian Ilmu Pendidikan*, 5(2), Article 2. <https://doi.org/10.25217/ji.v5i2.1019>
- Queirós, A., Faria, D., & Almeida, F. (2017). Strengths and limitations of qualitative and quantitative research methods. *European Journal of education studies*.
- Rai, N., & Thapa, B. (2015). A study on purposive sampling method in research. *Kathmandu: Kathmandu School of Law*, 5.
- Ramani, S., & Mann, K. (2016). Introducing medical educators to qualitative study design: Twelve tips from inception to completion. *Medical teacher*, 38(5), 456-463.
- Rambe, P., & Moeti, M. (2017). Disrupting and democratizing higher education provision or entrenching academic elitism: Towards a model of MOOC adoption at African universities. *Educational Technology Research and Development*, 65(3), 631-651.
- Sahakian, M., & Seyfang, G. (2018). A sustainable consumption teaching review: From building competencies to transformative Learning. *Journal of cleaner production*, 198, 231-241.
- Sahu, P. (2020). Closure of universities due to coronavirus disease 2019 (COVID-19): impact on education and mental health of students and academic staff. *Cureus*, 12(4).
- Saka, O. A. (2021). Can teacher collaboration improve students' academic achievement in junior secondary mathematics? *Asian Journal of University Education*, 17(1), 33–46.
- Sarker, M. N. I., Wu, M., Cao, Q., Alam, G. M., & Li, D. (2019). Leveraging digital technology for better learning and education: A systematic literature

- review. *International Journal of Information and Education Technology*, 9(7), 453-461.
- Sharples, M., Adams, A., Ferguson, R., Mark, G., McAndrew, P., Rienties, B., ... & Whitelock, D. (2014). *Innovating Pedagogy 2014: Exploring new teaching, Learning, and assessment forms to guide educators and policymakers*. The Open University,
- Shea, N. A., Mouza, C., & Drewes, A. (2016). Climate change professional development: Design, implementation, and initial outcomes on teacher learning, practice, and student beliefs. *Journal of Science Teacher Education*, pp. 27, 235–258.
- Terry, G., Hayfield, N., Clarke, V., & Braun, V. (2017). Thematic analysis. *The SAGE Handbook of qualitative research in Psychology*, pp. 2, 17–37.
- Tolchah, M., & Mu'ammara, M. A. (2019). Islamic Education in the Globalization Era. *Humanities & Social Sciences Reviews*, 7(4), 1031-1037.
- Tubagus, M., Haerudin, H., Fathurohman, A., Adiyono, A., & Aslan, A. (2023). THE IMPACT OF TECHNOLOGY ON ISLAMIC PESANTREN EDUCATION AND THE LEARNING OUTCOMES OF SANTRI: NEW TRENDS AND POSSIBILITIES. *Indonesian Journal of Education (INJOE)*, 3(3), Article 3.
- Tuhuteru, L., Misnawati, D., Aslan, A., Taufiqoh, Z., & Imelda, I. (2023). The Effectiveness of Multimedia-Based Learning To Accelerate Learning After The Pandemic At The Basic Education Level. *Tafkir: Interdisciplinary Journal of Islamic Education*, 4(1), Article 1. <https://doi.org/10.31538/tijie.v4i1.311>
- Voogt, J., Knezek, G., Cox, M., Knezek, D., & ten Brummelhuis, A. (2013). Under which conditions does ICT have a positive effect on teaching and Learning? A call to action. *Journal of Computer-assisted Learning*, 29(1), 4-14.
- Wang, M. T., & Degol, J. L. (2017). Gender gap in science, technology, engineering, and mathematics (STEM): Current knowledge, implications for practice, policy, and future directions. *Educational psychology review*, 29, 119-140.
- Wiek, A., Xiong, A., Brundiers, K., & Van der Leeuw, S. (2014). Integrating problem-and project-based Learning into sustainability programs: A case study on the School of Sustainability at Arizona State University. *International Journal of Sustainability in Higher Education*, 15(4), 431-449.
- Yusuf, S. F. G., Popoola, O. O., Gwala, L., & Nesengani, T. (2021). Promoting University–Community Alliances in the Experiential Learning Activities of Agricultural Extension Postgraduate Students at the University of Fort Hare, South Africa. *Sustainability*, 13(18), 10411.