

**CONCEPTUAL MODEL FOR THE PROFESSIONAL DEVELOPMENT OF
ISLAMIC RELIGIOUS EDUCATION TEACHERS BASED ON PEDAGOGICAL
CONTENT KNOWLEDGE AND REFLECTIVE PRACTICE**

Gattan Rafani Azzam¹, Amisha Nuraina Thahira², M. Akmal Fakhrun Nizar³,
Mursidin⁴

¹⁻⁴Pendidikan Agama Islam, Fakultas Tarbiyah & Keguruan, UIN Sunan Gunung
Djati Bandung

¹rafaniazzam19@gmail.com, ²amishathahira01@gmail.com,
³fakhrunakmal@gmail.com, ⁴mursidin@uinsgd.ac.id

ABSTRACT

The professional development of Islamic Religious Education (PAI) teachers continues to encounter obstacles in the integration of pedagogical competencies with critical reflection, which leads to learning that is less adaptive to the dynamics of modern education and is partial. The necessity of a conceptual paradigm that can systematically connect the dimensions of knowledge and reflective practice is suggested by this condition. It is the objective of this research to establish a conceptual framework for the professional development of PAI instructors that is founded on reflective practice and Pedagogical Content Knowledge (PCK). Using library research, the research employs a qualitative approach that involves the analysis and synthesis of pertinent literature. According to the research findings, the integration of reflective practice and PCK results in a professional development model that is holistic, dynamic, and cyclical. PCK serves as the cognitive-pedagogical foundation, while reflection functions as an evaluative mechanism for continuous improvement. Teachers can cultivate learning that is more contextual, adaptive, and meaningful through the implementation of this model. The theoretical contributions of this research enrich the study of teacher professionalism, while also having practical implications for policymakers, educational institutions, and teachers in the development of more sustainable and effective professional development strategies.

Keywords: Pedagogical Content Knowledge (PCK); Reflective Practice; Islamic Religious Education Teacher Professional Development; Conceptual Model; Islamic Education

A. INTRODUCTION

A dynamic, reflective process based on knowledge integration is required to redefine teacher professionalism in response to the transformation of 21st-century

education. Teachers in this context are no longer solely transmitters of material; they are learning agents who are capable of constructing, adapting, and continuously evaluating pedagogical practices (Ramadhan,

2023). In this context, Islamic Religious Education (PAI) teachers encounter more intricate challenges, as they are accountable for the cognitive accomplishments of students, as well as the development of character, morals, and spirituality in the face of rapid social changes, technological advancements, and the increasingly critical and adaptive characteristics of students (Yuza & Jannah, 2026). Theoretically, the concept of Pedagogical Content Knowledge (PCK) underscores the significance of integrating mastery of teaching materials and pedagogical strategies to facilitate effective and meaningful learning, whereas reflective practice places critical reflection at the core of continuous professional development for teachers through the systematic analysis of teaching experiences (Purwanto et al., 2023). Nevertheless, the reality is that the professional development of PAI instructors is still incomplete and has not yet fully integrated both approaches into a comprehensive conceptual framework. Consequently, it is imperative to develop a conceptual model that can integrate PCK and reflective practice to serve as the foundation for a more

integrative, adaptive, and pertinent professional development of PAI instructors in response to the current educational landscape.

The reality on the ground is that the ongoing development is still dominated by technical and administrative approaches that tend to focus on meeting formal standards, without addressing the deeper and more sustainable conceptual dimensions, despite the numerous efforts made to improve the professionalism of Islamic Religious Education (PAI) teachers (Mahmudah, 2021). The suboptimal practice of reflection as part of the process of enhancing the quality of learning, as well as the limited ability of instructors to integrate mastery of religious material with effective pedagogical strategies, are all impacted by this condition (Nata, 2020). Conversely, there is currently no professional development model that explicitly integrates reflective practice and Pedagogical Content Knowledge (PCK) within a systematic and comprehensive framework. Consequently, PAI teachers lack a clear conceptual reference for ongoingly developing their competencies (Pardiyawan et al.,

2026). The absence of such a framework has implications for learning practices that are less adaptable to the complex dynamics of student requirements and changes in the educational context. As a result, a conceptual model is required to address this gap by comprehensively integrating the dimensions of knowledge, pedagogy, and reflection into the professional development of PAI instructors.

This research endeavors to establish a conceptual model for the professional development of Islamic Religious Education (PAI) teachers that is predicated on the integration of Pedagogical Content Knowledge (PCK) and reflective practice as the primary foundation for the ongoing enhancement of teachers' competencies, in light of these issues. The objective of this research is to analyze the interconnections between key components that influence the professional development of Islamic Religious Education (PAI) teachers from an integrative perspective, as well as to identify and formulate these components to create a systematic, coherent, and applicable conceptual framework. Additionally, this research is designed to make a theoretical

contribution to the enrichment of the study of teacher professionalism, particularly in the context of Islamic religious education, by providing a conceptual synthesis that reconciles the mastery of scientific content, pedagogical practices, and critical reflection as an inseparable unity in contemporary educational practices.

In recent decades, research on teacher professional development has exhibited a fragmented trend. Pedagogical Content Knowledge (PCK) research generally concentrates on the dimension of individual teacher competence without systematically linking it to the process of reflection on teaching practices, while reflective practice research emphasizes the development of teachers' critical awareness without adequate integration with content mastery and pedagogical strategies (Anggraini et al., 2026). Furthermore, the majority of research associated with teacher professional development is incomplete and has not yet resulted in a comprehensive and organized conceptual model (Fadillah & Wardan, 2025; Hamilaturroyya & Zahara, 2025). This limitation is further exacerbated by the absence of studies that explicitly

investigate the integration of PCK and reflective practice as the foundation for teacher professional development in the context of Islamic Religious Education (PAI) (Purwanto et al., 2023). Additionally, no conceptual model has been systematically developed through a comprehensive literature synthesis that can effectively elucidate the relationships between components. This condition suggests a substantial research vacuum, particularly in the areas of theoretical integration and the development of a conceptual model that can offer a more comprehensive framework for the professional development of PAI teachers (Fadillah & Wardan, 2025).

The conceptual novelty of this research is the development of a model that integrates reflective practice and Pedagogical Content Knowledge (PCK) within a systematic and comprehensive framework for the professional development of Islamic Religious Education (PAI) teachers. This research emphasizes a theoretical synthesis that positions content mastery, pedagogical strategies, and critical reflection as an interconnected unity in the process of enhancing teacher competence, in contrast to previous studies that tend

to position these two approaches separately. The resulting model is not only descriptive but also analytical, elucidating the relationships between components and the continuous and contextual professional development pathway. Theoretically, this research contributes to the enrichment of the body of knowledge on teacher professionalism, particularly from the perspective of Islamic religious education, by establishing a conceptual framework that is founded on a comprehensive literature synthesis. In practical terms, this model has the potential to serve as a reference for teachers, educational institutions, and policymakers in the development of more integrative, reflective, and relevant professional development programs that are in accordance with contemporary educational dynamics. Consequently, it is urgently necessary to address the improvement of the quality of PAI teachers in the modern era.

B. METHOD

This study employs a qualitative design and a library research approach to develop a conceptual model for the professional development of Islamic Religious Education instructors (Snyder, 2019;

Zed, 2008). The model is based on Pedagogical Content Knowledge (PCK) and reflective practice, and it is developed through a systematic literature synthesis. In this context, the research population encompasses all scientific literature pertinent to the research theme (Snyder, 2019), including national journals included in the SINTA index, reputable international journals, academic publications, and scientific proceedings. Purposive sampling techniques are employed to establish the research sample (Creswell, 2014), which is based on criteria such as the novelty of publications within the past decade, the credibility of the source, and the relevance of the topic. The research procedure was conducted in stages, beginning with a literature search utilizing academic databases such as Scopus, Google Scholar, and national journal portals. This was followed by the selection of sources based on inclusion and exclusion criteria, the grouping of literature into main themes, and critical reading to identify relevant concepts and findings.

Data collection techniques were implemented through documentation studies (Bowen, 2009), which involved

the acquisition of a diverse array of information in the form of concepts, theories, and previous research findings that were pertinent to PCK, reflective practice, and teacher professional development. Data analysis techniques subsequently employed a qualitative approach through thematic analysis and conceptual synthesis (Braun & Clarke, 2006), which involved the identification of primary themes, the categorization of similar concepts, and the integration of a variety of theoretical perspectives to construct a coherent framework. The results of the analysis are subsequently employed to develop a conceptual model that systematically and coherently elucidates the relationships between components. This research employs source triangulation techniques and critical appraisal of the literature employed to ensure that the resulting model has strong theoretical validity and can be scientifically justified, thereby preserving data validity (Denzin, 1978; Lincoln & Guba, 1985).

C.RESULT AND DISCUSSION

Concept of Professional Development for Islamic Religious Education Teachers

The continuous process of teacher professional development is designed to improve the quality of learning practices, performance, and competence by fostering critical reflection on teaching experiences, knowledge, and skills (Ariyansyah et al., 2026). Teachers are situated as lifelong learners who actively construct knowledge and adjust pedagogical practices in accordance with the dynamics of student requirements and the advancement of science within this framework (Susanto, 2021). The concept of professional development is more intricate in the context of Islamic Religious Education (PAI) because it is not only focused on the mastery of pedagogical and cognitive aspects, but also encompasses the affective and spiritual dimensions that are at the core of Islamic education (Shera et al., 2025). The professionalism of Islamic Education teachers is demanded to reflect the integration of personal integrity and academic competence, as they not only serve as learning facilitators but also as moral guides

and role models responsible for the internalization of Islamic values (Fadillah & Wardan, 2025).

The continuous process of teacher professional development is designed to improve the quality of learning practices, performance, and competence by fostering critical reflection on teaching experiences, knowledge, and skills (Ariyansyah et al., 2026). Teachers are situated as lifelong learners who actively construct knowledge and adjust pedagogical practices in accordance with the dynamics of student requirements and the advancement of science within this framework (Susanto, 2021). The concept of professional development is more intricate in the context of Islamic Religious Education (PAI) because it is not only focused on the mastery of pedagogical and cognitive aspects, but also encompasses the affective and spiritual dimensions that are at the core of Islamic education (Shera et al., 2025). The professionalism of Islamic Education teachers is demanded to reflect the integration of personal integrity and academic competence, as they not only serve as learning facilitators but also as moral guides and role models responsible for the

internalization of Islamic values (Fadillah & Wardan, 2025).

Pedagogical Content Knowledge in the Context of Islamic Religious Education Teachers

Pedagogical Content Knowledge (PCK) is a theoretical construct that underscores the fact that the efficacy of learning is not solely contingent upon the teacher's mastery of the subject matter or pedagogical skills, but also on their capacity to contextually integrate both (Ariyansyah et al., 2026). Petko et al (2025) interpret PCK as a transformational capacity that allows educators to organize scientific content into forms of representation that are comprehensible to students, while also considering their developmental levels, needs, and characteristics. In the context of Islamic Religious Education (PAI), PCK has a more intricate dimension due to the fact that the material taught is not only conceptual but also normative and applicative. Consequently, it necessitates that teachers be able to contextually and meaningfully connect religious teachings to the realities of students' lives. Consequently, PCK in PAI learning not only facilitates cognitive

comprehension but also promotes the internalization of religious principles in daily life.

In addition, the capacity to recognize students' learning challenges, particularly in comprehending abstract concepts in Islamic teachings, and to develop adaptive and pertinent learning strategies is necessary for the implementation of PCK in the context of PAI teachers. In order to facilitate a more interactive and contextual learning process, teachers must be capable of selecting appropriate learning media, methods, and approaches, including the proportional use of digital technology. This capacity becomes increasingly important in the modern era of education, as the intricacy of religious content frequently necessitates a reflective and dialogical approach to be comprehended by students (Insani et al., 2025). Consequently, PCK cannot be perceived as a static competency; rather, it is a dynamic capacity that is cultivated through continuous reflection and instructional experience. The integrated strengthening of PCK is anticipated to enable PAI instructors to bridge the gap between theoretical knowledge

and learning practices, resulting in an educational process that is not only effective but also relevant and transformative in the development of students' character.

Reflective Practice in Teacher Professional Development

Critical reflection on teaching experiences is a fundamental approach in teacher professional development that emphasizes the importance of reflective practice as a foundation for enhancing the quality of learning practices (Musthan & Zur, 2022). In this framework, reflection is not solely perceived as an evaluative activity following the learning process; rather, it is a metacognitive process that allows teachers to continuously review, analyze, and reconstruct pedagogical actions (Hasmawaty et al., 2024). Teachers can develop more effective and contextual strategies, comprehend the dynamics of interactions with students, and identify strengths and deficiencies in their teaching practices through reflection. Consequently, reflective practice functions as an internal mechanism that motivates educators to sustainably improve their professionalism by incessantly learning from their experiences.

In the context of Islamic Religious Education (PAI), reflective practice plays a more comprehensive role. This is due to the fact that it not only addresses pedagogical aspects but also addresses the moral and spiritual dimensions of the learning process. Teachers of Islamic Education are obligated to evaluate the efficacy of their methods and the dissemination of materials, as well as the degree to which the religious values they impart can be internalized in the attitudes and behaviors of students (Susanto, 2021). This highlights the significance of reflection in the preservation of the congruence between the ethical values of educators, pedagogical practices, and learning objectives. In addition, reflective practice enables educators to critically assess the integration of technology into the learning process, thereby maintaining consistency with the humanistic and character-oriented principles of Islamic education, as they confront the obstacles of the digital era (Rahayu et al., 2023). Consequently, it is imperative that reflection be incorporated as a fundamental component of the contextual, sustainable, and dynamic professional development of PAI instructors.

Integration of Pedagogical Content Knowledge and Reflective Practice in a Conceptual Model

The conceptual model for the professional development of Islamic Religious Education (PAI) instructors that is holistic and dynamic is the result of the integration of Pedagogical Content Knowledge (PCK) and reflective practice in this research. In a conceptual sense, PCK functions as a cognitive-pedagogical foundation that enables teachers to effectively design and implement learning (Yusoff et al., 2025). Conversely, reflective practice functions as an evaluative mechanism that enables teachers to review and reconstruct learning practices based on empirical classroom experiences (Mbato & Triprihatmini, 2022). The integration of these two components suggests that teacher professional development is not a linear process, but rather a cyclical process that encompasses planning, implementation, reflection, and continuous improvement. Consequently, the model that emerges serves as a connector that enhances and modernizes the quality of PCK within the context of authentic learning practices.

Additionally, this paradigm establishes an interdependent and mutually reinforcing relationship between reflective practice and PCK (Yusoff et al., 2025). PCK offers educators a conceptual framework to comprehend the most effective methods of teaching the material, while reflection enables them to evaluate the validity and relevance of that approach in real-world learning scenarios. This process promotes the reconstruction of pedagogical knowledge that is more responsive to the dynamics of the learning environment and the requirements of students. This integration becomes increasingly significant in the context of PAI learning, as instructors are obligated to not only accurately convey religious material but also to guarantee that the values they teach can be contextually internalized (Marliana et al., 2026). Consequently, the conceptual model that emerges not only fortifies the theoretical aspect of teacher professional development but also offers a practical framework that is pertinent to the sustainable improvement of learning quality in the face of contemporary educational obstacles.

Implications of the Model on the Professional Development of Islamic Religious Education Teachers

The theoretical framework of teacher professional development is significantly enhanced by the conceptual model devised in this research, particularly in the context of Islamic Religious Education (PAI). The integration of Pedagogical Content Knowledge (PCK) and reflective practice underscores the fact that teacher professionalism is no longer a static accumulation of competencies, but rather a dynamic process that is shaped by the continuous interaction between knowledge, practice, and critical reflection (Pardiyawan et al., 2026). By illustrating that the cognitive-pedagogical and reflective dimensions are an integrated whole that complement each other in the development of teachers' comprehensive professional competence, these results broaden the theoretical perspective that has historically separated both. Therefore, this model enhances the study of teacher professionalism by providing a conceptual framework that is more integrative, adaptive, and contextual,

particularly in response to the intricacies of modern learning.

In practice, this model has a broad range of implications for a variety of stakeholders in the field of education. This model can be a helpful resource for PAI teachers to autonomously develop competencies by enhancing their capacity to integrate material mastery with appropriate pedagogical strategies and critical reflection on teaching practices (Fadillah & Wardan, 2025). For educational institutions, this model can be used as a basis for the development of professional development and training programs that are not only focused on improving technical competencies but also on fostering the reflective awareness of teachers as perpetual learners (Ritonga et al., 2022). In the meantime, this model offers policymakers a framework for developing teacher development policies that are more substantive, sustainable, and responsive to the dynamics of contemporary education (Mujiati et al., 2026). The implications of this model are becoming increasingly relevant in the context of digital learning, as it enables teachers to be more adaptable to technological

advancements while still incorporating religious values into teaching practices. This results in an educational process that is not only academically effective but also morally and socially meaningful (Eryandi, 2023).

The results and contributions of this research must be interpreted with the understanding that it has numerous limitations. First and foremost, the conceptual model that has been developed is wholly predicated on a synthesis of literature, without any empirical validation in the field, as a result of the utilization of a library research approach (Kristiyaningsih et al., 2026). This implies that the model has a restricted capacity to represent the intricacy of actual practices that Islamic Religious Education (PAI) teachers encounter in a variety of settings. Secondly, the selection and interpretation of literature are subject to bias, which is inevitable given that the researcher's criteria are critical to the source selection process. Third, limited access to specific literature sources, whether due to accessibility constraints or the novelty of publications, has the potential to impact the breadth of perspectives

used in the development of the conceptual model. Consequently, it is important to interpret the findings of this investigation as an initial theoretical framework that has not yet been thoroughly evaluated in an implementational setting.

Given these constraints, it is imperative that subsequent research be focused on the empirical testing and reinforcement of the model through a variety of methodological approaches, including qualitative, quantitative, and hybrid methods. In order to evaluate the model's efficacy, reliability, and validity in enhancing the quality of learning, it is imperative to conduct field studies that directly involve PAI instructors. In addition, the development of instruments that can quantify the integration between reflective practice and pedagogical content knowledge (PCK) is a critical agenda to facilitate the more operational implementation of the model (Zikra et al., 2024). It is also possible to conduct additional research to investigate the application of this model in a variety of educational contexts, including its integration with digital learning technology, socio-cultural backgrounds, and various educational levels. Therefore, future

development should not solely concentrate on enhancing theoretical components; it should also aim to convert the model into a practical framework that is pertinent, adaptive, and applicable to current educational requirements.

D. CONCLUSION

This study develops a conceptual model for the professional development of Islamic Religious Education (PAI) instructors, which underscores the integration of Pedagogical Content Knowledge (PCK) and reflective practice as two primary pillars that enhance the quality of learning. PCK functions as a cognitive-pedagogical foundation that enables teachers to transform teaching materials in a contextual and effective manner. Reflective practice serves as an evaluative mechanism that promotes continuous development through critical reflection on teaching practices. The holistic, dynamic, and cyclical framework for professional development that is the result of the integration of both is pertinent to the intricate and adaptive requirements of contemporary education. This research theoretically enhances the study of teacher professionalism by proposing an

integrative approach that integrates the dimensions of knowledge and reflection. In practice, it serves as a reference for policymakers, educators, and teachers to develop more sustainable and contextual professional development strategies. However, the resulting model still necessitates additional empirical testing to guarantee its validity and efficacy in the implementation context.

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