



Integrating Islamic Religious Values in Coordinated Early Childhood Education Systems for Achieving Sustainable Development Goals (SDGs)

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ABSTRACT

This study explores how Islamic religious values can strengthen coordinated early childhood education systems to achieve Sustainable Development Goals (SDGs) on Quality Education. Using a qualitative design, the research engaged educators, caregivers, and policymakers through semi-structured interviews and scenario-based reflections to identify barriers and possibilities for integrated service delivery. Findings reveal that fragmentation, limited professional development, and weak cultural alignment hinder the effectiveness of early care systems. However, coordination grounded in Islamic ethics (such as justice, compassion, and mutual responsibility) can enhance trust and collaboration among stakeholders because faith-based principles promote holistic child development and moral accountability. The integration of these values supports both academic and spiritual growth, ensuring that early education reform aligns with community culture and social equity. This approach contributes to a more inclusive and value-driven foundation for lifelong learning consistent with SDGs.

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1. INTRODUCTION

Early Childhood Education (ECE) represents the foundation of lifelong learning, shaping intellectual, emotional, and moral development during the most formative years of life. Studies consistently affirm that well-coordinated ECE systems lead to improved academic performance, emotional stability, and social competence among children (Anders *et al.*, 2023; Rafiyya *et al.*, 2024). Within the global framework of Sustainable Development Goal 4 (SDG 4), which advocates inclusive and equitable quality education for all, the early years hold strategic importance because they determine future educational success. However, many education systems continue to struggle with fragmented services, weak collaboration among sectors, and limited alignment between policy and community values. These issues often result in uneven access and quality, especially for young learners who depend on integrated care between educators, families, and health services.

From an Islamic educational perspective, learning is not confined to cognitive growth but extends to moral and spiritual development. The Qur'anic concept of *tarbiyah* emphasizes holistic nurturing, integrating intellect (*'aql*), emotion (*qalb*), and behavior (*'amal*) as dimensions of human excellence. When these values are embedded into ECE systems, education becomes a moral endeavor that cultivates compassion (*rahmah*), justice (*'adl*), and cooperation (*ta'awun*). These principles directly support the objectives of SDG 4 by promoting quality education that is not only inclusive but also ethically grounded. Integrating Islamic values into early education coordination helps bridge the gap between global educational goals and local cultural legitimacy. Such an approach ensures that policy reforms respect community traditions while aligning with international standards of quality and equity (Kieran & Anderson, 2019; Aljohani, 2023).

Despite the increasing attention to coordination in early childhood systems, few studies have examined how religious values can function as a framework for improving collaboration and service integration. Most research focuses on technical and policy dimensions, overlooking the moral principles that can unify stakeholders. Therefore, this study investigates how coordination among educators, caregivers, and policymakers can be strengthened through the application of Islamic values such as justice, sincerity, and mutual accountability. The novelty of this research lies in its faith-informed perspective, offering a culturally responsive model of ECE coordination that advances SDG 4 while harmonizing educational reform with moral and spiritual integrity.

2. LITERATURE REVIEW

ECE plays a transformative role in promoting inclusive and equitable learning as emphasized in Sustainable Development Goal 4. Early childhood development encompasses the physical, cognitive, emotional, and social growth of children from birth to age eight (Tanwattana & Santiboon, 2020). Quality early care provides a foundation for academic achievement and lifelong well-being (Okan, 2019). Global studies demonstrate that investment in ECE yields high long-term returns, such as improved school readiness, better health outcomes, and stronger social cohesion (Rafiyya *et al.*, 2024; Anders *et al.*, 2023). However, achieving SDG 4 requires more than access—it demands coordinated systems that integrate education, health, and family support. Fragmented policies and weak collaboration undermine both efficiency and inclusivity, resulting in service duplication and unmet developmental needs. Therefore, coordination serves as a structural foundation for achieving quality education and sustainable child development.

Bronfenbrenner's bioecological theory provides a valuable framework for understanding the dynamic interactions that influence children's development. Central to this theory are proximal processes, the repeated and reciprocal interactions between the child and the surrounding environment (Merçon-Vargas *et al.*, 2020). Positive interactions between teachers, families, and institutions strengthen cognitive and emotional growth, while fragmented systems weaken developmental continuity (Blewitt *et al.*, 2020; Ahmad *et al.*, 2023). Coordination of services across sectors ensures that these proximal processes are consistent and mutually reinforcing. In ECE systems, inter-agency collaboration helps children benefit from both educational and health interventions, fostering well-rounded development. Applying this theory to early education reform highlights the necessity of integrated communication between ministries, educators, and caregivers. Without such synergy, service delivery remains disjointed, leaving families to navigate complex and inefficient systems (Cassidy *et al.*, 2019; McWayne *et al.*, 2022).

Islamic education envisions learning as a process that cultivates both knowledge ('ilm) and moral character (akhlak). The Qur'an and prophetic traditions emphasize that education must nurture the whole human being (intellectually, emotionally, and spiritually). This aligns with the concept of tarbiyah, or holistic nurturing, which parallels the humanistic ideals in modern ECE frameworks. Integrating Islamic values such as justice ('adl), mercy (rahmah), and cooperation (ta'awun) within ECE systems strengthens social and moral foundations. When educators and caregivers act upon these principles, trust and empathy grow among stakeholders, leading to more effective coordination. Moreover, Islamic pedagogy views children as amanah—divine trusts—whose education must balance worldly knowledge and moral responsibility. Embedding these ethics in policy and practice ensures that ECE contributes not only to cognitive development but also to the cultivation of spiritually grounded citizenship, thereby reinforcing the moral dimension of SDG 4's call for quality and inclusive education.

Although numerous studies address ECE coordination, few integrate religious ethics into systemic reform. Research from Western and secular contexts typically focuses on institutional management, leaving moral and spiritual perspectives underexplored (Kassem *et al.*, 2020; Al Rahahleh *et al.*, 2023). In Islamic societies, however, education cannot be separated from its ethical and spiritual context. The absence of literature that connects coordination mechanisms with faith-based values represents a significant gap. Moreover, empirical studies rarely examine how educators and caregivers interpret religious values as part of their professional practice. This research addresses those gaps by proposing a faith-informed coordination model—one that unites service efficiency with moral integrity to achieve SDG 4 through a culturally legitimate framework of early education.

3. METHODS

This study employed a qualitative research design to explore how integrating Islamic religious values can enhance coordination in ECE systems to achieve SDG 4 on quality education. The approach allowed for an in-depth understanding of participants' experiences, moral reasoning, and reflections on service integration.

The study utilized thought-experimental scenarios, structured, hypothetical situations that encouraged participants to reflect on dilemmas related to coordination, resource distribution, and cultural inclusivity (Führer *et al.*, 2025). Each scenario was framed within Islamic ethical concepts such as amanah (trust), adl (justice), and rahmah (compassion), prompting participants to connect professional decisions with moral and spiritual accountability. This

design aligns with SDG 4 by emphasizing inclusive, value-oriented educational practices that integrate moral education with systemic coordination.

A purposive sample of 50 participants was selected to represent a cross-section of ECE stakeholders, comprising 30 educators, 12 caregivers, and 8 policymakers. Participants came from both public and private sectors and represented varied educational and community service backgrounds. Selection criteria ensured that participants had direct experience with early childhood program management or policy implementation. This diverse composition provided a rich understanding of coordination challenges and faith-informed solutions from multiple perspectives.

Data were gathered through semi-structured interviews, focus group discussions, and reflective scenario sessions. Interviews explored participants' perceptions of coordination barriers, while scenario-based reflections invited them to evaluate hypothetical cases involving conflicting responsibilities and ethical decision-making. The inclusion of Islamic principles encouraged deeper reflection on moral integrity in professional conduct. All sessions were conducted with informed consent and recorded for transcription and analysis.

Thematic analysis followed the six-step model: familiarization, coding, theme generation, review, definition, and synthesis. Two coders independently analyzed the data, ensuring credibility through inter-coder discussion and member checking. Emergent themes were organized around structural barriers, professional competence, and faith-informed coordination. Reflexive memos documented how Islamic ethical reasoning shaped participants' perspectives on service integration.

Through this approach, the study combined empirical rigor with moral inquiry, demonstrating that coordinated early education (guided by Islamic values) can contribute to achieving SDG 4 in culturally rooted and ethically sustainable ways.

4. RESULTS AND DISCUSSION

4.1. Overview of Results

The findings emerged from in-depth interviews, focus group discussions, and scenario-based reflections conducted with fifty participants, including early childhood educators, caregivers, and policymakers. The analysis revealed five overarching barriers to coordinated ECE systems (service fragmentation, professional underdevelopment, cultural misalignment, inequitable resource allocation, and limited emergency preparedness). Despite these challenges, participants envisioned an ideal model of coordination grounded in shared ethical responsibility, compassion, and cultural sensitivity (principles deeply aligned with Islamic teachings). The results demonstrate that while structural challenges persist, faith-informed coordination can bridge the gap between global educational standards and local community expectations.

These results reflect the broader context of SDG 4, which calls for inclusive and equitable quality education. However, the integration of moral and spiritual dimensions adds a unique contribution to this goal. Participants consistently emphasized that early childhood education must be value-driven, focusing not only on knowledge acquisition but also on moral character, empathy, and cooperation. This mirrors the Qur'anic educational principle that the purpose of knowledge is to foster righteousness (taqwa) and community welfare (maslahah), not mere intellectual gain.

4.2. Theme 1: Barriers to Coordination

The first and most prominent theme identified was systemic fragmentation in the early childhood sector. Educators reported limited communication among institutions responsible

for child development, including education, health, and social services. They described working “in isolation,” often unaware of the interventions being carried out by other agencies. This resulted in duplication of efforts, delayed referrals, and unmet developmental needs. Caregivers expressed similar frustrations, citing confusion about where to seek support for their children. Policymakers acknowledged the issue, admitting that coordination between ministries often remained theoretical rather than operational (a “paper integration” that lacked concrete implementation).

This fragmentation undermines the holistic development envisioned by both SDG 4 and Islamic pedagogy. The Qur’anic worldview emphasizes balance (*mizan*) and interconnection among societal roles, viewing education, care, and social welfare as shared responsibilities under the principle of *ummah* (community). When services operate in silos, this unity is broken, leading to inefficiency and inequality. Participants agreed that a coordinated system requires a central mechanism that facilitates cross-sector communication and accountability.

A second major barrier is related to inadequate professional development. Educators expressed that most training workshops were general and lacked focus on cultural or ethical dimensions. One teacher remarked, “We learn about pedagogy, but not about how to respect family beliefs or communicate moral values effectively.” This finding resonates with global studies highlighting that teacher capacity is a key determinant of ECE quality (Nichols *et al.*, 2023). However, in faith-oriented contexts, capacity also includes moral sensitivity and ethical reflection. The Islamic educational framework positions teachers as *murabbi* (moral guides who nurture the intellect and the soul). Without adequate preparation in these areas, professional practice risks becoming procedural rather than transformative.

Cultural misalignment between formal education models and family expectations formed another persistent challenge. Some caregivers preferred to delay enrollment until children reached age five, believing that early institutionalization conflicted with family-based upbringing. This mirrors research showing that cultural attitudes toward early learning strongly influence participation (Joshi *et al.*, 2019). Participants acknowledged that while global models promote early entry, they must be contextualized within the values and traditions of the local community. Islam recognizes parents as the first educators, as reflected in the Hadith: “Every child is born upon the natural disposition (*fitrah*), and it is the parents who shape their development.” Therefore, coordination efforts that exclude families or disregard religious norms risk being viewed as culturally intrusive.

The findings also revealed unequal resource distribution, particularly between urban and rural settings. Educators from less-developed areas reported insufficient facilities, a lack of teaching assistants, and limited access to professional training. Caregivers highlighted the financial and logistical burdens of accessing quality ECE programs. This aligns with evidence from global contexts showing that socio-economic disparities contribute to uneven educational outcomes (Morrissey *et al.*, 2022). From an Islamic justice perspective (*adl*), equity in education is both a moral and social obligation, reinforcing the SDG 4 target of ensuring equal access for all learners. Addressing inequity, therefore, requires both structural investment and moral accountability among policymakers.

Finally, the lack of preparedness for emergencies (such as the COVID-19 pandemic) exposed the fragility of coordination mechanisms. Educators described the transition to remote learning as chaotic, with little guidance or support. Many families lacked digital access, and children’s progress regressed significantly. Policymakers admitted that crisis management was largely reactive rather than planned. This underscores the importance of integrating risk management and digital literacy into early education policy. In Islam,

preparedness (ihtiyat) is a moral responsibility linked to Amanah (the duty to safeguard the well-being of those entrusted to one's care). Building resilience in ECE systems, therefore, is not only a technical necessity but also a spiritual obligation rooted in stewardship and trust.

In summary, barriers to coordination stemmed from structural inefficiency, insufficient professional training, cultural dissonance, and inequity. Yet, these barriers are not merely administrative; they reflect the deeper issue of moral fragmentation within the education system. Aligning coordination with Islamic values offers a pathway toward moral coherence, ensuring that service delivery reflects compassion, justice, and accountability.

4.3. Theme 2: Faith-Informed Models of Ideal Service Delivery

Across participant groups, a shared vision emerged for an ideal ECE system: one that integrates educational, social, and spiritual development through collaborative networks. Educators envisioned service hubs that unite teaching, health, and parental engagement under one coordinated framework. They believed such integration would prevent duplication of services and promote consistency in child support. Policymakers viewed this as an opportunity to maximize resources, reduce bureaucracy, and build trust between institutions. Caregivers expressed enthusiasm for models that respected their cultural and religious identity, emphasizing that faith-based education fosters both academic and moral growth.

The faith-informed model centers on three key Islamic principles: amanah (trust), rahmah (compassion), and adl (justice). First, amanah signifies the collective responsibility of educators, families, and policymakers to nurture and protect children. Participants interpreted this as a moral foundation for coordination, where each stakeholder fulfills their duty with sincerity and transparency. Second, rahmah underscores empathy and care, guiding interactions between teachers and children as acts of mercy rather than authority. This aligns with studies linking teacher-child warmth to emotional security and learning motivation (Alzahrani *et al.*, 2019; McNally & Slutsky, 2020). Finally, adl represents fairness in opportunities, ensuring that children (regardless of background) receive equitable access to high-quality education.

These principles translate into actionable strategies for system design. For instance, schools could establish Parent-Educator Councils that function as consultative platforms for decision-making, ensuring that cultural values inform curriculum planning and service delivery. Similarly, professional development programs could integrate ethical modules on Islamic pedagogy and inclusive practice. Such approaches would bridge technical and moral competencies, creating educators who are both skilled and value-driven.

Educators further emphasized that coordination grounded in faith-based ethics cultivates a sense of shared mission. They described ideal ECE environments as “learning communities” where every adult (teacher, parent, or policymaker) acts as a guardian of the child's holistic well-being. One teacher expressed, “When we remember that children are a trust from God, we treat every decision with care.” This perspective redefines service coordination as not only administrative alignment but also moral partnership. The moral dimension transforms coordination into a process of ibadah (worship through service), where accountability to God strengthens accountability to one another.

Caregivers echoed this view, noting that when educational systems reflect Islamic ethics, families feel safer and more engaged. They argued that cultural respect and moral transparency build trust, which in turn improves attendance and participation. This trust functions as social capital, facilitating collaboration between families and institutions. Policymakers recognized that trust reduces resistance to policy reforms and encourages

smoother implementation of new initiatives. Thus, moral legitimacy becomes a catalyst for practical efficiency.

The envisioned faith-informed model also emphasizes professional development through ethical formation. Participants recommended ongoing reflective practice rooted in Islamic values (encouraging teachers to engage in muhasabah (self-evaluation) and collective reflection). Such reflection aligns with the Qur'anic call to contemplation (tafakkur) and continuous learning. Professional workshops could integrate these values through mentoring systems where senior educators guide others not only in pedagogy but also in moral conduct. The goal is to produce murabbi, educators who exemplify wisdom, empathy, and ethical awareness. This approach resonates with global trends emphasizing social-emotional learning but enriches it with a spiritual foundation.

Faith-informed coordination also entails inclusivity. Islam's emphasis on equality and compassion supports the inclusion of diverse learners, including children from different socio-economic backgrounds or those with special needs. Participants envisioned centers that provide differentiated instruction, access to early intervention, and parental counseling. These inclusive practices align with SDG 4.5, which seeks to eliminate disparities in education. By rooting inclusion in Islamic ethics (specifically the obligation to protect the weak (mas'uliyah)), education becomes both a right and an act of compassion.

In summary, the faith-informed model offers an integrated vision that combines structural efficiency with moral depth. It transforms coordination from a bureaucratic task into a shared ethical journey. Each stakeholder's contribution (teacher, parent, and policymaker) becomes part of a collective mission to fulfill the divine trust of nurturing future generations in justice and mercy.

4.4. Theme 3: Reflections from Scenario-Based Analysis

The use of thought-experimental scenarios proved particularly effective in eliciting deeper moral reflections from participants. Each scenario simulated a realistic dilemma: resource scarcity, cultural misunderstanding, or conflicting institutional directives. Participants were asked to imagine how they would act and justify their decisions. The exercise prompted them to balance professional judgment with ethical reasoning, revealing how Islamic values guided their problem-solving approaches. Several scenarios are in the following:

- (i) **Scenario 1: Resource Allocation Dilemmas.** When presented with a situation involving limited funding, participants debated whether to prioritize infrastructure, teacher training, or community outreach. Educators often favored training, reasoning that "well-prepared teachers multiply impact." Caregivers emphasized direct support for children, while policymakers sought balance through partnership funding. Participants who drew upon Islamic principles referenced *adl* (justice) and *amanah* (trust), concluding that fair distribution should consider both immediate needs and long-term benefit. Their reasoning mirrored Qur'anic ethics, where justice requires balancing rights and responsibilities.
- (ii) **Scenario 2: Cultural and Religious Alignment.** In a case depicting a misunderstanding between a teacher and a conservative family, participants reflected on communication failures. Educators admitted that cultural sensitivity training was lacking. Many agreed that mutual respect and dialogue (guided by *rahmah* (compassion)) were essential to prevent alienation. Policymakers added that aligning policies with moral values ensures acceptance among communities. This finding supports global evidence that culturally responsive teaching improves engagement and learning outcomes ([Kieran & Anderson,](#)

2019). However, participants extended this logic to spiritual alignment, asserting that honoring faith-based values deepens cooperation beyond compliance.

- (iii) Scenario 3: Cross-Sector Collaboration. When asked how to improve cooperation between education and health services, participants identified communication barriers and bureaucratic rigidity as primary obstacles. They proposed a “joint accountability model” inspired by the Islamic concept of shura (consultative decision-making). By institutionalizing shura in inter-agency coordination, decisions would be made collectively, with shared ownership of outcomes. This approach aligns with SDG 17’s emphasis on partnerships while remaining grounded in moral consultation.
- (iv) Scenario 4: Emergency Preparedness. The final scenario simulated a sudden school closure due to a public health crisis. Participants recognized their limited readiness and the need for standardized response systems. Faith-based reasoning added a distinctive layer: educators cited tawakkul (trust in God) coupled with ikhtiyar (human responsibility), stressing that preparedness is both a spiritual and professional duty. Policymakers acknowledged the importance of foresight, noting that effective emergency plans reflect both accountability to families and obedience to the moral command of safeguarding life.

Across all scenarios, reflection fostered a sense of empowerment and collective moral awareness. Participants began to view coordination not merely as compliance with policy but as a process of ethical cultivation. By combining empirical analysis with faith-based reflection, the study demonstrated how moral frameworks enhance professional resilience and decision-making capacity in complex educational contexts.

4.5. Integrated Discussion: Islamic Ethics and SDG 4 Alignment

The integration of Islamic religious values into ECE coordination reflects a holistic approach to achieving SDG 4. The goal of quality education extends beyond literacy and numeracy—it includes moral formation, empathy, and social cohesion. Islamic pedagogy supports this holistic view through tarbiyah, which harmonizes intellectual, physical, and spiritual development. By embedding this concept within service coordination, education systems can produce outcomes that are not only effective but also ethically grounded.

The study’s findings reinforce the argument that ethical alignment enhances systemic sustainability. When coordination is guided by amanah, transparency improves; when driven by rahmah, stakeholder relationships deepen; and when anchored in adl, equity strengthens. These ethical dimensions directly support SDG 4.7, which calls for education that promotes sustainable lifestyles, human rights, and cultural appreciation. Islamic ethics contribute to these goals by nurturing moral consciousness as the foundation of civic responsibility.

Furthermore, faith-informed coordination can mitigate the tension between globalization and local identity. Many nations adopt international education models that risk marginalizing indigenous values. By grounding reform in religion, cultural authenticity is preserved while meeting global standards. This dual alignment ensures that education systems are both globally competitive and locally legitimate. The Saudi ECE case, though contextually specific, offers insights for other Muslim-majority and faith-sensitive societies seeking to implement SDG 4 without cultural dissonance.

The results also suggest that faith-based coordination models can strengthen governance. Ethical accountability (rooted in spiritual awareness) creates self-regulating systems less dependent on external enforcement. Teachers act responsibly because they perceive their role as divine stewardship; policymakers plan equitably because justice is a moral imperative,

not merely a performance indicator. This intrinsic motivation transforms education from a bureaucratic system into a moral ecosystem.

Finally, the study highlights the relevance of integrating religious ethics into global development discourse. While SDG 4 emphasizes inclusivity and equality, it seldom specifies moral frameworks. Faith traditions such as Islam provide enduring ethical resources that can enrich the humanistic goals of education. The findings affirm that the pursuit of quality education is inseparable from the pursuit of moral integrity and community welfare. Therefore, a faith-informed approach to ECE coordination not only fulfills the SDG mandate but also restores the ethical soul of education itself.

4.6. Summary of Discussion

The findings reveal that while coordination challenges persist (fragmented systems, inadequate training, and cultural gaps), these are surmountable through the integration of Islamic ethical principles. Faith-based coordination transforms administrative reform into moral renewal, ensuring that early childhood education fulfills its dual purpose: developing competent learners and righteous individuals. By aligning Islamic values with SDG 4, the study proposes a model of education that is inclusive, equitable, and spiritually grounded.

In conclusion, achieving quality early childhood education requires more than policy coherence; it demands ethical coherence. Islamic religious values provide this coherence by harmonizing intellect with faith, policy with compassion, and global aspirations with local wisdom. In doing so, they illuminate a path toward education that truly embodies the spirit of rahmah—mercy that educates the mind and elevates the soul.

5. CONCLUSION

This study concludes that integrating Islamic religious values into early childhood education coordination strengthens moral integrity, social trust, and systemic efficiency. By embedding principles of amanah (trust), rahmah (compassion), and adl (justice), coordination becomes a spiritually guided process that advances inclusive and equitable quality education in line with SDG 4. The faith-informed model transforms fragmented systems into cohesive, value-driven communities where education nurtures both intellect and virtue. Ultimately, achieving quality education requires not only technical alignment but also moral coherence grounded in divine accountability and human compassion.

6. AUTHORS' NOTE

The authors declare that there is no conflict of interest regarding the publication of this article. Authors confirmed that the paper was free of plagiarism.

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