

Nurturing Moral Values in Early Childhood: Effective Learning Approaches

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Abstract

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ABSTRACT Background o

Background of study: Moral values encompass teachings about good and bad behavior, attitudes, duties, ethics, and manners that shape a child's future role in society. Early Childhood Education (ECE) occurs during the golden age, a critical period when children are highly receptive to learning and habit formation. Through repeated exposure to good behavior, children can be shaped into individuals of noble character. Therefore, teachers play a key role in guiding children to internalize strong moral values, which contribute not only to their moral integrity but also to their intellectual development.

Aims and scope of paper: This study explores how moral and religious values are instilled in children through Islamic-based early childhood education at RA Al-Amien. It focuses on the learning strategies employed by educators, the integration of Islamic teachings into the curriculum, and observable behavioral outcomes in children that reflect NAM development.

Methods: This qualitative study utilized passive participant observation, semistructured interviews, and document analysis. Informants included the principal, teachers, and students at RA Al-Amien. Data were analyzed following the Miles and Huberman model, involving data reduction, data display, and conclusion drawing.

Results: RA Al-Amien consistently integrates Islamic teachings across six domains of child development. Children are guided to memorize prayers and Hadiths, demonstrate respectful behavior toward adults, and show kindness to peers. This structured moral training supports the development *of akhlaqul karimah* (noble character).

Conclusion: Islamic-based early childhood education at RA Al-Amien effectively promotes moral and religious development. Through daily practice and teacher guidance, children show measurable progress in internalizing NAM, reinforcing the value of moral education in early formative years.

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INTRODUCTION

Moral education, also referred to as Religious and Moral Values, constitutes a fundamental aspect of early childhood development and must be stimulated from an early age. The early years, often termed the "golden age" of development, are a critical period when children are highly receptive to learning and habit formation. It is during this period that foundational values are most effectively internalized, making it essential for educators and parents to instill moral

principles that will guide children's behavior throughout their lives. Moral education during this stage plays a crucial role in shaping a child's character, fostering a sense of empathy, discipline, honesty, respect, and responsibility – traits that form the bedrock of *akhlaqul karimah* (noble character) [1], [1], [2], [3], [4], [5], [6], [7], [8], [9], [10], [11].

Instilling moral values in children is not merely an educational goal but a broader social necessity [12]. In a world increasingly marked by moral relativism, consumerism, and the erosion of traditional values, the early cultivation of morality becomes a preventive measure against future behavioral issues and social dysfunction. Moral education significantly influences children's behavior, noting that their moral development is highly dependent on environmental factors such as parenting style, teacher behavior, peer interaction, and media exposure [13]. These environmental influences either reinforce or contradict the values taught at home and school, making a holistic and integrated approach to moral education indispensable.

The urgency of moral education becomes even more pronounced in light of the current moral decline observed in various social contexts. The influx of new values, ideologies, and lifestyles—often disseminated through digital media—can lead to confusion and identity struggles among children if not counterbalanced by strong moral guidance. In such circumstances, early childhood education institutions have a strategic role in reinforcing consistent, value-based education. Teachers are not only facilitators of learning but also moral exemplars whose actions, language, and interactions leave a lasting impression on young learners [13].

Raudhatul Athfal (RA) Al-Amien, an early childhood education institution located on Jl. Nangka VII, Perumnas Banyuajuh, Kamal, Bangkalan, is one such example of a school that integrates religious values into all aspects of its educational practice. Founded in 1999 and operating under the auspices of the Indonesian Ministry of Religious Affairs, RA Al-Amien applies an Islamic-based curriculum that prioritizes moral development as a core learning objective. The school's vision is to nurture a generation that is not only intellectually competent but also spiritually and morally grounded. This institution was selected as the research site for the present study due to its consistent commitment to embedding Islamic values in daily learning experiences, thereby making it a relevant and insightful setting for examining the development of moral education in early childhood.

At RA Al-Amien, moral development is not taught as a separate subject but is infused into every learning activity through a method of continuous habituation. For instance, children are encouraged to greet one another with Islamic salutations, practice patience in waiting their turn, respect their teachers, maintain cleanliness, and recite prayers before and after activities. The habituation process is reinforced daily and is supported by the consistent behavior of the teachers and principal, who act as role models for the children. This method of internalizing values through repetition and example aligns with classical conditioning theory as developed by Ivan Pavlov [14]. According to Pavlov, a neutral stimulus can elicit a conditioned response when repeatedly associated with an unconditioned stimulus. In the context of early childhood moral education, the teacher functions as a conditioning agent who models desirable behavior that children eventually imitate and internalize through repeated exposure [14], [15].

This process of value internalization is both cognitive and affective. Children begin by observing behavior, then practicing it with guidance, and finally demonstrating it independently. As they are praised and affirmed for exhibiting good behavior, these moral actions become embedded in their character. This illustrates the principle that values are not merely taught, but "caught" through experience and reflection.

The development of Religious and Moral Values is also supported by national regulatory standards. According to the Indonesian Directorate General of Islamic Education Regulation No. 2761 of 2019, children in early childhood Islamic institutions are expected to meet certain developmental milestones in religious and moral domains. These include, but are not limited to: memorizing at least ten *Asmaul Husna* (Names of Allah), knowing the pillars of Islam and faith (*rukun Islam dan rukun iman*), performing basic prayer movements, reciting short daily prayers

(*do'a*) and phrases of remembrance (*kalimat thayyibah*), identifying the five *Ulul Azmi* prophets and ten angels, understanding the importance of cleanliness, recognizing examples of good and bad behavior, demonstrating respectful greetings, and memorizing short surahs from the *Qur'an*. These benchmarks serve not only as academic goals but also as formative guides that help assess the internalization of moral values in a measurable and structured way.

This study is framed within this educational and regulatory context, with the aim of exploring how early childhood education at RA Al-Amien cultivates moral values through Islamic-based instruction and daily practices. Specifically, the study investigates the strategies employed by teachers to integrate religious and moral values into learning activities, the role of habituation and modeling in value transmission, and the observable outcomes of these efforts in children's daily behavior. By focusing on both the content and the method of moral education, this research seeks to provide valuable insights into effective moral pedagogy in Islamic early childhood education settings.

In addition to contributing to the academic discourse on moral education in early childhood, the study also aims to inform practitioners and policymakers about the practical implementation of moral education through habituation, role modeling, and faith-based curricula. The goal is to offer a replicable model of character education that can be adapted and applied in other early childhood institutions with similar visions and values.

Thus, through a comprehensive examination of the strategies and outcomes of moral education at RA Al-Amien, this study aims to reinforce the importance of integrating religious and moral development as a central pillar in early childhood education. It highlights how foundational values, when taught consistently and meaningfully, can prepare children to become morally responsible, spiritually aware, and socially competent individuals in the future.

METHOD

Research Design

This study uses a qualitative research method with a phenomenological approach, which seeks to understand the meaning of experiences and phenomena that occur in the field. The research focuses on exploring how moral values are developed in early childhood through Islamic-based education. The phenomena observed in the learning environment at RA Al-Amien Kamal serve as the basis for data interpretation and thematic analysis.

Research Subjects

The study was conducted at RA Al-Amien, located on Jl. Nangka VII, Perumnas Banyuajuh, Kamal. The subjects involved in this research include the school principal, teachers, and students. The sampling technique used was purposive sampling, a non-random sampling method in which the researcher selects participants based on specific characteristics that align with the objectives of the study. This approach ensures that the selected participants can provide rich and relevant information to address the research questions.

Data Collection Techniques

The data collection techniques employed in this study included observation, semistructured interviews, and documentation. Observations were conducted on Wednesday, November 30, 2022, at RA Al-Amien. During the observation, the researcher recorded the behaviors, interactions, and teaching practices related to moral education. Semi-structured interviews were conducted with the school principal, teachers, and students to gain deeper insights into the implementation of moral values in daily learning. In addition, documentation such as lesson plans, student work, and institutional records was used to support the data gathered through observation and interviews.

Data Analysis Techniques

Data analysis in this study followed the Miles and Huberman model, which includes three main stages: data reduction, data display, and conclusion drawing/verification. In the data reduction stage, the researcher organized and selected relevant data from observations, interviews, and documentation. The data display phase involved presenting the information in a structured format such as narrative descriptions or tables to facilitate interpretation. Finally, in the conclusion drawing stage, the researcher identified patterns and meanings that answered the research questions, while continuously verifying the findings for accuracy and credibility [16].

RESULTS AND DISCUSSION

Results

In the era of Generation Z, characterized by rapid technological advancement and widespread access to digital information, concerns about moral decline among adolescents have become increasingly prevalent. This trend is evidenced by rising instances of disrespectful behavior, diminished empathy, and a lack of social responsibility in many young individuals. In response to this, moral education has become more urgent and essential than ever. The cultivation of strong moral values must begin during early childhood, a critical developmental period when children are highly receptive to guidance and habit formation.

At RA Al-Amien Kamal, an Islamic early childhood education institution, efforts to instill moral values are integrated systematically into the learning process. The institution adopts the 2013 curriculum, which is implemented holistically and emphasizes the development of six major areas, including religious and moral values. From the moment children enter the classroom, the learning environment is designed to promote both academic learning and character formation. The school believes that moral education is not merely a subject, but a way of life that must be instilled in all learning activities.

A notable example of this integration is the daily routine that begins with spiritual practices. Each morning, children are guided to recite opening prayers, prayers before learning, and various Islamic texts such as short surahs, hadiths, and daily prayers. They also practice reciting the 20 attributes of Allah, Asmaul Husna, the names of the prophets and angels, and understanding the pillars of Islam and faith. This early exposure to religious rituals not only fosters spiritual understanding but also instills discipline and respect in children from a young age.

Moral education is further reinforced through direct practice and real-life application. For example, when a child commits an error, such as interrupting or arguing with a peer, the teacher intervenes by guiding them to recognize their mistake and encouraging them to apologize. This process is consistent with character-building strategies aimed at promoting self-awareness, empathy, and responsibility. Children are also trained to ask permission before doing something, such as leaving the classroom or borrowing items from others – practices that teach respect for others and adherence to social norms.

One important element that strengthens moral education at RA Al-Amien is the emphasis on sharing and generosity. Teachers facilitate opportunities for students to share with peers and engage in charitable acts. During snack time, children who bring food are encouraged to share with classmates who may not have brought anything. Beyond the classroom, students are also involved in larger humanitarian efforts. For example, the school has previously organized donation drives to help victims of natural disasters, such as those affected by the earthquake in Palu. Through such activities, children are introduced to the concept of social responsibility and are encouraged to develop a sense of care and compassion for others.

Moreover, the school positions teachers as central role models in moral development. Teachers not only deliver lessons but also embody the moral values they seek to impart. Their actions, language, and demeanor serve as examples that children naturally imitate. Students learn by observing their teachers' conduct—how they treat others with kindness, resolve conflicts

calmly, and maintain integrity in everyday interactions. This modeling process reinforces moral learning in a subtle yet powerful way.

Respect and etiquette are other central components of RA Al-Amien's moral education program. For example, children are consistently trained to greet others politely, speak courteously, and behave respectfully towards their elders and peers. A clear example of this is the practice of queuing and shaking hands with teachers upon entering and leaving the classroom. This daily habit fosters humility, orderliness, and respect for authority.

The impact of these practices is evident in the children's behavior during lessons and school activities. In one classroom observation, children were seen attentively listening to the teacher's instructions, waiting for their turn to participate, and responding respectfully when asked to answer questions. Such discipline reflects their internalization of moral values that go beyond surface-level behavior.

Furthermore, moral development is also promoted through leadership activities. Students are given opportunities to take turns leading prayers, reciting surahs, or reading aloud in front of the class. These roles help build confidence while reinforcing the values of responsibility and respect for communal rituals. One example includes a student confidently leading the reading of the *Hijaiyah* alphabet and the Latin alphabet in front of peers, demonstrating both knowledge and leadership in a respectful manner.

Another aspect of moral development emphasized at RA Al-Amien is the cultivation of empathy and social awareness through real-world applications. Children are not only taught moral values in theory but are given concrete experiences where these values come to life. For example, students learn to offer help to friends who fall, wait patiently in line, or comfort a classmate who is upset. These seemingly small interactions are vital in developing a child's emotional intelligence and moral maturity.

This consistent, structured approach to moral education aligns with psychological theories that stress the importance of habituation in behavioral development. According to Ivan Pavlov's classical conditioning theory, repeated exposure to specific stimuli can shape responses over time. In this context, the continuous practice of respectful and ethical behavior, reinforced by teacher modeling and classroom routines, becomes internalized as part of the child's moral character.

Supporting this approach, the Indonesian Ministry of Religious Affairs, through the Directorate General of Islamic Education (2019), has outlined expected developmental outcomes for moral and religious values in early childhood education. These include the ability to recognize and recite basic Islamic knowledge such as *Asmaul Husna*, short surahs, and daily prayers; demonstrating respectful behavior; and distinguishing between right and wrong. RA Al-Amien has operationalized these goals through daily routines and thematic learning activities that are infused with Islamic teachings.

Discussion

Early childhood, encompassing the age range from birth to six years, is widely recognized as a foundational period in human development. During this stage, children undergo significant changes across various domains – physical, cognitive, emotional, and moral [17], [18], [19], [20]. The rapid neurological development during these years supports the acquisition of habits and dispositions, including those related to moral conduct.

Maria Montessori's educational philosophy supports this understanding by highlighting the existence of "sensitive periods" in a child's life [21], [22], [23], [24], [25]. These are moments when children display an intense interest in particular aspects of their environment and are especially receptive to learning specific skills or values. According to Montessori, during these sensitive periods, learning occurs more effortlessly and efficiently [26], [27], [28], [29], [30]. Therefore, educators and caregivers are encouraged to introduce key moral values during this time to maximize the internalization and practice of ethical behavior.

Behaviorist theory posits that human behavior is primarily shaped by interactions with the environment. In this framework, learning occurs as a response to external stimuli, with reinforcement (either positive or negative) playing a pivotal role in encouraging or discouraging behaviors [31], [32]. When children are repeatedly exposed to positive behavioral models and are reinforced for demonstrating moral behaviors – such as sharing, apologizing, or helping others – they are more likely to adopt these behaviors as part of their internal value system.

At RA Al-Amien, a kindergarten with a strong Islamic foundation, these principles are applied in a structured and consistent manner to support the moral development of children. The institution emphasizes habituation, or the repetition of desirable behaviors within the classroom environment, as a key strategy. Teachers introduce moral actions not only through explicit instruction but also through modeling, routine practice, and consistent reinforcement. Daily rituals such as beginning the day with prayer, reciting short *Qur'anic* verses, and engaging in respectful greetings serve to establish a moral rhythm in the children's lives.

One of the most effective aspects of RA Al-Amien's approach is the emphasis on modeling behavior, in which teachers act as moral exemplars for their students. Children naturally imitate the actions and language of adults around them, especially those in authority roles. Teachers at RA Al-Amien understand this developmental tendency and take care to demonstrate patience, kindness, honesty, and respect in their interactions with students and peers. The consistency between what is taught and what is modeled ensures that moral values are not merely theoretical concepts but lived experiences within the school community.

The integration of Islamic teachings further enriches the moral education process. Religious values such as sincerity, patience, truthfulness, and generosity are introduced through stories of prophets, practical activities like sharing food, and participation in charity events [33], [34], [35], [36], [37], [38]. These values are not only taught but are practiced in ways that make them meaningful and accessible to young children. For instance, children are encouraged to donate part of their snacks or small savings to support peers or people affected by disasters, such as earthquake victims in Palu. Such activities build empathy and social awareness, fostering a sense of moral responsibility and communal belonging.

Children are also encouraged to recognize and correct moral missteps. When conflicts arise – such as fighting over toys or speaking disrespectfully – teachers guide children to reflect on their actions, apologize, and reconcile. This practice develops moral reasoning and helps children learn that actions have consequences, both for themselves and others. Over time, this reflective process contributes to the development of conscience and internal moral regulation, aligning with Lawrence Kohlberg's early stages of moral development, which emphasize obedience, fairness, and mutual respect.

Moreover, the learning environment at RA Al-Amien is structured to support moral growth through predictability and consistency. Classrooms are arranged to encourage cooperative play and respectful interaction. Routines are established so that children know what is expected of them and what they can expect from others. Such consistency enhances a sense of security and order, which is essential for the development of self-discipline and moral understanding.

The role of language in moral development is also notable. Teachers use respectful and affirming language when speaking to children, modeling how to express thoughts and emotions appropriately [39], [40], [41]. In turn, children learn to communicate their needs, resolve conflicts, and express gratitude or remorse through words rather than disruptive behavior. Vocabulary related to Islamic ethics and moral concepts is embedded in daily conversation, making these ideas part of the child's functional language repertoire.

Additionally, peer interactions are harnessed as learning opportunities. Group activities, such as cooperative games and team projects, provide children with real-time experiences of fairness, negotiation, leadership, and mutual support. When these activities are facilitated by attentive educators, they become fertile ground for moral learning. Teachers observe interactions closely, stepping in when necessary to guide discussions or resolve misunderstandings, always reinforcing the principles of respect, empathy, and cooperation.

Another key element is the partnership between school and family. Moral education is most effective when there is alignment between the values promoted at school and those practiced at home. RA Al-Amien encourages parental involvement through regular communication, home assignments that reinforce moral learning, and parent-teacher meetings. When children see a consistent moral message across all contexts, they are more likely to adopt and internalize those values. The school also invites parents to model behavior during school events, reinforcing the idea that moral education is a communal responsibility.

However, moral development is not without its challenges. Children develop at different rates, and some may struggle with impulse control, empathy, or understanding social rules. Teachers at RA Al-Amien are trained to identify such developmental delays and provide additional support through one-on-one guidance or modified activities. This individualized approach ensures that all children have the opportunity to progress in their moral development at their own pace.

Implications

The findings of this study hold significant implications for early childhood education practices, particularly in religiously integrated learning environments. By emphasizing moral development through habituation, modeling, and Islamic values, this research demonstrates how early exposure to ethical behavior fosters the formation of noble character (akhlakul karimah) in young children. Educational institutions can adopt similar strategies to embed moral instruction into daily learning routines, especially in contexts where character formation is as valued as cognitive development. Moreover, the success of RA Al-Amien in creating a morally conscious learning environment shows that schools are not only sites for academic learning but also vital spaces for cultivating social and ethical responsibility from an early age. The integration of home and school values is also a key implication, highlighting the need for sustained parent-teacher collaboration in moral education.

Research Contribution

This study contributes to the existing body of knowledge in early childhood education by presenting a practical model of Islamic-based moral education applied through behaviorist principles and habituation. It bridges theoretical frameworks—such as Montessori's sensitive period, behaviorist learning theory, and Vygotsky's Zone of Proximal Development—with culturally embedded practices in an Indonesian Islamic preschool context. The study also enriches the literature on character education by showing how moral values can be effectively internalized through consistent rituals, role modeling, and community engagement. Additionally, it provides empirical evidence supporting the integration of moral and religious education within the national early childhood curriculum, which is often underexplored in global academic discourse.

Limitations

Although this study offers valuable insights, it is not without limitations. First, the research was conducted at a single institution (RA Al-Amien), which may limit the generalizability of the findings to other early childhood educational settings, especially those with different religious, cultural, or socio-economic contexts. Second, the data relied primarily on qualitative methods such as observation and interviews, which, while rich in depth, may be subject to researcher bias or interpretation. The absence of longitudinal data also limits the ability to assess the long-term effects of moral habituation on children's character development. Furthermore, the study did not explore children's voices directly, which could have added another layer of understanding regarding their perception of moral values and behaviors.

Suggestions

Future research should consider expanding the sample to include multiple early childhood institutions across diverse regions to better understand the variations in moral education practices. Longitudinal studies would be particularly beneficial in tracking the lasting impacts of moral habituation and character education on children's behavior into later stages of schooling. mixed-methods Additionally, incorporating approaches – combining qualitative and quantitative data - could provide a more comprehensive analysis of the effectiveness of moral education strategies. From a practical standpoint, early childhood educators should receive regular training on culturally relevant moral education strategies, including how to model positive behavior and implement routine-based moral instruction. Schools are also encouraged to involve parents more systematically, creating shared moral goals and reinforcing ethical behavior both at home and in school. Policymakers, especially in faith-based educational systems, should consider formulating guidelines that support the integration of moral and spiritual development into early childhood curricula.

CONCLUSION

Moral and character education at RA Al-Amien is effectively implemented through consistent habituation and active engagement in meaningful activities. Children are encouraged to internalize moral values not merely through instruction, but through concrete actions such as giving charity, expressing gratitude, showing respect, and practicing empathy in daily interactions. These practices allow children to experience and embody the moral concepts taught by their teachers in real-life contexts. Moreover, the school's approach to assessing moral development – through observation of behavior and continuous teacher guidance – offers a practical and contextually relevant model for early childhood moral education. The implementation at RA Al-Amien demonstrates that integrating moral instruction into everyday routines can significantly contribute to the formation of noble character (*akhlakul karimah*) in young learners. This model can serve as a valuable reference for other early childhood institutions aiming to foster ethical and responsible individuals from an early age.

AUTHOR CONTRIBUTION STATEMENT

NA conceptualized the study, supervised the data collection, and finalized the manuscript. ICS contributed to the literature review, conducted field observations, and participated in drafting the initial manuscript. SKA supported data analysis, contributed to the interpretation of findings, and assisted in revising the discussion section. FR was responsible for organizing interviews, transcribing data, and contributing to the refinement of research instruments. AA assisted in data organization, proofreading, and provided feedback on the final version of the manuscript. All authors engaged in collaborative discussions throughout the research process and approved the final manuscript for submission.

REFERENCES

- [1] A. Gholami, H. Maleki, and C. E. Rizi, "Studying the effectiveness degree of active teaching methods on religious and moral education of students at fifth grade of primary school in Shiraz from teachers' point of view," *Procedia - Social and Behavioral Sciences*, vol. 15, pp. 2132–2136, 2011, doi: 10.1016/j.sbspro.2011.04.066.
- [2] I. Croitoru and H. Munteanu, "The Moral-religious Education A Support of Self-conscience Training," *Procedia - Social and Behavioral Sciences*, vol. 116, pp. 2155–2163, Feb. 2014, doi: 10.1016/j.sbspro.2014.01.536.
- [3] X. P. Ding, C. Tay, Y. J. Chua, and J. K. T. Cheng, "Can classic moral stories with anthropomorphized animal characters promote children's honesty?," *Journal of Applied Developmental Psychology*, vol. 85, p. 101498, Mar. 2023, doi: 10.1016/j.appdev.2022.101498.

- [4] J. Fraedrich, O. Althawadi, and R. Bagherzadeh, "A comparative analysis of the UN declaration, global business compact, and religious morals in determining global values for business and their application to Islamic marketing," *JIMA*, vol. 9, no. 4, pp. 913–934, Oct. 2018, doi: 10.1108/jima-10-2017-0112.
- [5] M. C. Inhorn, D. Birenbaum-Carmeli, M. D. Vale, and P. Patrizio, "Abrahamic traditions and egg freezing: Religious Women's experiences in local moral worlds," *Social Science & Medicine*, vol. 253, p. 112976, May 2020, doi: 10.1016/j.socscimed.2020.112976.
- [6] P. E. Langsæther, "Religious voting and moral traditionalism: The moderating role of party characteristics," *Electoral Studies*, vol. 62, p. 102095, Dec. 2019, doi: 10.1016/j.electstud.2019.102095.
- [7] P. H. Li and M. A. Koenig, "Appealing to consequences, or authority? The influence of explanations on children's moral judgments across two cultures," *Cognition*, vol. 254, p. 105994, Jan. 2025, doi: 10.1016/j.cognition.2024.105994.
- [8] A. Lo Presti, G. Ambrosino, M. Barattucci, and S. Pagliaro, "Good guys with good apples. The moderating role of moral competence on the association between moral disengagement and organizational behaviours," *European Review of Applied Psychology*, vol. 73, no. 6, p. 100891, Nov. 2023, doi: 10.1016/j.erap.2023.100891.
- [9] A. D. Manea, "Influences of Religious Education on the Formation Moral Consciousness of Students," *Procedia - Social and Behavioral Sciences*, vol. 149, pp. 518–523, Sep. 2014, doi: 10.1016/j.sbspro.2014.08.203.
- [10] D. E. Wahlers, W. Hart, and J. T. Lambert, "Judging the guilt of the un-guilty: The roles of 'false positive' guilt and empathy in moral character perception," *Journal of Experimental Social Psychology*, vol. 113, p. 104613, Jul. 2024, doi: 10.1016/j.jesp.2024.104613.
- [11] Y. Yuliana and M. Busyro Karim, "The Role of Single Fathers in the Moral Development of Children Aged 5-6 Years," NAKKANAK SCI J ECD, vol. 1, no. 1, pp. 10–18, Feb. 2024, doi: 10.21107/njcr.v1i1.47.
- [12] Nadlifah, M. Abdul Latif, R. Toyba Humaida, H. Rismiyati Setyaningrum, and S. Sarah, "Early Childhood Tolerance in Minority Areas: A Foundation for Addressing Intolerance Problems in Indonesia," *PAUD*, vol. 11, no. 3, pp. 485–493, Jan. 2024, doi: 10.23887/paud.v11i3.66202.
- [13] "Moral development," in *Encyclopedia of Adolescence*, Elsevier, 2024, pp. 247–260. doi: 10.1016/b978-0-323-96023-6.00079-8.
- [14] "Pavlov, Ivan Petrovich (1849–1936)," in International Encyclopedia of the Social & Behavioral Sciences, Elsevier, 2015, pp. 607–610. doi: 10.1016/b978-0-08-097086-8.61104-2.
- [15] P. J. Corr and A. M. Perkins, "The role of theory in the psychophysiology of personality: From Ivan Pavlov to Jeffrey Gray," *International Journal of Psychophysiology*, vol. 62, no. 3, pp. 367–376, Dec. 2006, doi: 10.1016/j.ijpsycho.2006.01.005.
- [16] M. B. Miles, A. M. Huberman, and J. Saldaña, *Qualitative data analysis: a methods sourcebook*, Fourth edition. Los Angeles London New Delhi Singapore Washington DC Melbourne: SAGE, 2020.
- [17] M. Zakharin and T. C. Bates, "Higher cognitive ability linked to weaker moral foundations in UK adults," *Intelligence*, vol. 111, p. 101930, Jul. 2025, doi: 10.1016/j.intell.2025.101930.
- [18] H. Wang *et al.*, "Cognitive shifts in pain perception under moral enhancement conditions: Evidence from an EEG study," *Brain and Cognition*, vol. 185, p. 106273, Apr. 2025, doi: 10.1016/j.bandc.2025.106273.
- [19] S. Şandor, "From emotional blunting to moral choices: The role of alexithymia in trait psychopathy and utilitarian decision-making," *Personality and Individual Differences*, vol. 240, p. 113147, Jul. 2025, doi: 10.1016/j.paid.2025.113147.
- [20] J. R. Nunes, P. Rita, D. Costa Pinto, H. Gonzalez-Jimenez, K. Akdim, and R. L. Wagner, "Moral appraisals of generative AI: How mindset framing shapes moral judgments, emotional appraisals and

privacy behavior," *International Journal of Information Management*, vol. 84, p. 102940, Oct. 2025, doi: 10.1016/j.ijinfomgt.2025.102940.

- [21] M. Turós, "Comparative analysis of the views of Montessori and Waldorf teacher trainers," Social Sciences & Humanities Open, vol. 9, p. 100855, 2024, doi: 10.1016/j.ssaho.2024.100855.
- [22] A. Demangeon, S. Claudel-Valentin, A. Aubry, and Y. Tazouti, "A meta-analysis of the effects of Montessori education on five fields of development and learning in preschool and school-age children," *Contemporary Educational Psychology*, vol. 73, p. 102182, Apr. 2023, doi: 10.1016/j.cedpsych.2023.102182.
- [23] V. E. Morssink-Santing, S. Van Der Zee, L. T. Klaver, J. De Brouwer, and P. H. M. Sins, "The long-term effect of alternative education on self-regulated learning: A comparison between Montessori, Dalton, and traditional education," *Studies in Educational Evaluation*, vol. 83, p. 101380, Dec. 2024, doi: 10.1016/j.stueduc.2024.101380.
- [24] N. Ahmadpour and A. K. Mujembari, "The Impact of Montessori Teaching Method on IQ Levels of 5-Year Old Children," *Procedia - Social and Behavioral Sciences*, vol. 205, pp. 122–127, Oct. 2015, doi: 10.1016/j.sbspro.2015.09.037.
- [25] N. Ruijs, "The effects of Montessori education: Evidence from admission lotteries," *Economics of Education Review*, vol. 61, pp. 19–34, Dec. 2017, doi: 10.1016/j.econedurev.2017.09.001.
- [26] M. Sablić, A. Mirosavljević, and K. Bogatić, "Multigrade education and the montessori model: A pathway towards inclusion and equity," *International Journal of Educational Research*, vol. 131, p. 102600, 2025, doi: 10.1016/j.ijer.2025.102600.
- [27] S. Al, R. M. Sari, and N. C. Kahya, "A Different Perspective on Education: Montessori and Montessori School Architecture," *Procedia - Social and Behavioral Sciences*, vol. 46, pp. 1866–1871, 2012, doi: 10.1016/j.sbspro.2012.05.393.
- [28] L. Mbakile-Mahlanza, E. S. Van Der Ploeg, L. Busija, C. Camp, H. Walker, and D. W. O'Connor, "A cluster-randomized crossover trial of Montessori activities delivered by family carers to nursing home residents with behavioral and psychological symptoms of dementia," *International Psychogeriatrics*, vol. 32, no. 3, pp. 347–358, Mar. 2020, doi: 10.1017/s1041610219001819.
- [29] S. Öngören and A. İ. Turcan, "The Effectiviness Of Montessori Education Method In The Acquisition Of Concept Of Geometrical Shapes," *Procedia - Social and Behavioral Sciences*, vol. 1, no. 1, pp. 1163–1166, 2009, doi: 10.1016/j.sbspro.2009.01.209.
- [30] C. P. Edwards, "Montessori education and its scientific basis," *Journal of Applied Developmental Psychology*, vol. 27, no. 2, pp. 183–187, Mar. 2006, doi: 10.1016/j.appdev.2005.12.012.
- [31] M. Murtonen, H. Gruber, and E. Lehtinen, "The return of behaviourist epistemology: A review of learning outcomes studies," *Educational Research Review*, vol. 22, pp. 114–128, Nov. 2017, doi: 10.1016/j.edurev.2017.08.001.
- [32] "Learning from a behaviorist perspective," in *International Encyclopedia of Education(Fourth Edition)*, Elsevier, 2023, pp. 12–21. doi: 10.1016/b978-0-12-818630-5.14002-3.
- [33] L. Suryani, S. Fatimah, J. Jarudin, and M. Aarif, "Instilling Religious Moderation in Early Childhood at Raudhatul Athfal Ponorogo: The Role of National Insight-Based Learning," *Al-ATHFAL J EDUC CHILD*, vol. 11, no. 1, pp. 17–34, Jun. 2025, doi: 10.14421/al-athfal.2025.111-02.
- [34] S. Singh Yadav and S. Kumar Kar, "Influence of religious value and minimalism on repurchase intention of sustainable fashion: A combined PLS-SEM and NCA approach," *Journal of Cleaner Production*, vol. 486, p. 144585, Jan. 2025, doi: 10.1016/j.jclepro.2024.144585.
- [35] V. Filimonau, J. Matute, M. Kubal-Czerwińska, and M. Mika, "Religious values and social distance as activators of norms to reduce food waste when dining out," *Science of The Total Environment*, vol. 868, p. 161645, Apr. 2023, doi: 10.1016/j.scitotenv.2023.161645.
- [36] A. H. B. Chin, J.-D. B. Nguma, and M. F. Ahmad, "The American Society for Reproductive Medicine's new and more inclusive definition of infertility may conflict with traditional and

conservative religious-cultural values," *Fertility and Sterility*, vol. 121, no. 5, p. 892, May 2024, doi: 10.1016/j.fertnstert.2023.12.019.

- [37] M. Yasin, L. Porcu, and F. Liébana-Cabanillas, "Looking into the Islamic banking sector in Palestine: do religious values influence active social media engagement behavior?," *JIMA*, vol. 12, no. 9, pp. 1801–1819, Jul. 2020, doi: 10.1108/jima-10-2019-0201.
- [38] D. Cohen-Zada and T. Elder, "Religious pluralism and the transmission of religious values through education," *Journal of Economic Behavior & Organization*, vol. 150, pp. 325–349, Jun. 2018, doi: 10.1016/j.jebo.2018.01.015.
- [39] L. Bulla, S. De Giorgis, M. Mongiovì, and A. Gangemi, "Large Language Models meet moral values: A comprehensive assessment of moral abilities," *Computers in Human Behavior Reports*, vol. 17, p. 100609, Mar. 2025, doi: 10.1016/j.chbr.2025.100609.
- [40] T. W. L. Lam *et al.*, "Explaining the intention to practice 'Leave No Trace' in Hong Kong's country parks: The roles of environmental self-identity, personal moral norms and awareness of consequences," *Journal of Outdoor Recreation and Tourism*, vol. 51, p. 100916, Sep. 2025, doi: 10.1016/j.jort.2025.100916.
- [41] M. H. Salem, K. M. Selem, H. S. H. Ahmed, and H. A. Mohamed, "Moral intelligence among Muslim employees in hospitality settings: scale development and validation," *JHTI*, vol. 8, no. 6, pp. 2296– 2316, Jun. 2025, doi: 10.1108/jhti-09-2024-0941.