

## **Nurturing Heutagogy: Implementing Montessori Philosophy in English Language Acquisition within an Islamic School Context**

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### **ABSTRACT**

The Montessori method has become a trend in Early Childhood Education, particularly in terms of the students' language acquisition within the Self-Directed Learning (SDL) framework. While SDL, as proposed in heutagogy, is theoretically ideal for language learning, practical implementations in a faith-based culture are not well understood. Therefore, this research analyses the teaching of the English language in a new educational context: a Montessori classroom in Indonesia that incorporates Islamic principles. Utilizing a qualitative case study approach, this research identifies the synergistic conditions that foster language development and describes the observable pathways of language acquisition within this context. Evidence gathered from classroom observations and teacher interviews identified three pillars that

underpin success in this particular classroom environment: (1) radical autonomy, which offers personally meaningful language input; (2) a low anxiety classroom, which encourages spontaneous language production; and (3) a synergistic Islamic classroom environment, which strengthens self-discipline and independence in contrast to the Islamic faith. A specific four-stage sequence of acquisition was identified within this meticulously designed environment. The integration of Islamic character-building with Montessori pedagogy underscores the holistic development of the child and the language itself. This research adds value by addressing pedagogical needs at the cultural level, and, in doing so, establishes a conceptual framework that outlines the stepwise progression of learners within a framework of self-determination.

**Keywords:** *Heutagogy, Montessori Principles in Islamic School Context, Language Acquisition, Self-directed Learning, Teaching English for Young Learners*

## INTRODUCTION

As we look toward the future, it is increasingly evident that fostering the learning of the English language is of paramount importance, especially in the context of globalization. Integrating English into early childhood education programs in Indonesia helps to address this challenge (Hanafi & Adwitiya, 2022). Unfortunately, many existing pedagogical approaches remain outdated, relying predominantly on teacher-centered, rote, and summative methods (Zein, 2016). Although such approaches are prevalent, learners must be actively engaged in the teaching and learning process. Failing to do so demonstrates a profound misunderstanding of children's learning dispositions, who thrive on curiosity, active exploration, and play (Lillard et al., 2017). Without engagement, intrinsic motivation will diminish, making learning a mere passive experience and potentially leading to the loss of unconscious language learning.

Conversely, child-centered educational philosophies, particularly the Montessori method developed by Maria Montessori, have gained significant popularity. This approach is grounded on the belief that children are intrinsically motivated to learn and capable of initiating their own learning process, provided they are

supported by a thoughtfully prepared environment (Liliard, P., 1972; Montessori, 1915, 2012; Ramadahn, 2023). Key features of this method include multi-age classrooms that promote peer learning, long uninterrupted work periods that allow children to concentrate deeply on a task, and a carefully constructed collection of hands-on, self-correcting materials that facilitates discovery (Liliard, A.S., 2005; Liliard, P., 1972; Montessori, 1949, 2007; Pattiruhu et al., 2023).

The primary focus of the Montessori method is Self-Directed Learning (SDL), which positions children as the focal point of their education. This approach aligns closely with the concept of heutagogy, emphasizing self-determined learning. SDL empowers children to have complete control over what they want to learn and how they want to learn it. This is a particularly salient aspect of early childhood learning where curiosity drives exploration and development. This is important because it is not just about independence and critical thinking. It is also very important to have a sense of ownership over their learning (Knowles, 1975). Despite its relevance, applying these concepts in early childhood education is still a relatively nascent field (Walls, 2018).

The principles of Self-Directed Learning resonate with theories around Second Language Acquisition (SLA). For example, Krashen (1982) claimed that language is acquired, instead of learned, in low-anxiety environments that provide ample comprehensible input. An SDL classroom fosters such an environment by allowing children to select their own activities, which helps educators create meaningful and relevant opportunities for language use and exposure. In addition, the lack of high-stakes evaluation and the focus on process over product help alleviate learners' performance anxiety, effectively lowering the affective filter and facilitating language acquisition. It aligns well with the philosophy of a growth mindset, where highly motivated lifelong learners are praised for their learning process rather than their learning achievement (Duckworth, 2016; Dweck, 2006).

While the theoretical framework appears complementary, there is still a gap in the literature. Although various studies have

examined different English teaching methodologies, there is a paucity of detailed observational models documenting the process of language acquisition as experienced by children in an authentic SDL context (Aprilia et al., 2023; Walls, 2018). This gap is particularly pronounced as heutagogy has mainly been conceptualized as an andragogical theory for adult learners (Blaschke, 2012; Hase & Kenyon, 2000). Nonetheless, pioneering child-centered philosophies like Montessori provide the necessary theoretical bridge by arguing that young learners are fully capable of self-determined learning (Liliard, A.S., 2005; Montessori, 2007). This philosophy holds that children can exercise self-direction, albeit with some degree of adult supervision, within a structured environment containing activities specifically designed to scaffold and sustain intrinsic motivation. This concept becomes even more prominent and compelling with the Montessori approach, a global educational framework that is adapted and integrated into local cultural contexts, such as in an Islamic school in Indonesia (Gumiandari et al., 2019; Wijaya et al., 2024). The intersection of these two educational paradigms prompts critical inquiries: Does the religious education, characterized by its structures and routines that link to the value of moral 'obedience' (*ta'at*), cause a tension with the freedom of autonomous learning offered by Montessori? Alternatively, do they collaboratively contribute to a supportive ecosystem for learning? In addition, this dialogue raises curiosity about how young learners acquire English as a target language in the heutagogy environment. Therefore, this study is particularly unique, as it aims to shed light on the manifestation of these advanced autonomous learning principles in a preschool context, arguably an environment where such constructs are highly overlooked.

This study endeavors to bridge the gap by understanding the connection between Montessori pedagogy and Islamic values, with a specific focus on fostering independent learning among students. This study believes that the Islamic value of building character, inclusive of moral and personal responsibility, should not be perceived as a hindrance to autonomy but, rather, as an

enhancement of the independence that Montessori advocates (Wijaya et al., 2024). In other words, this study focuses on the unexplored connection between the formation of religious character and self-regulated learning in the context of acquiring a new language.

The objective of this research is to explain and analyze the dynamics of young learners acquiring the English language in an Islamic School context, through the lens of Montessori principles and self-directed learning implementation. In particular, it seeks to examine how the connection between the emphasis on character-building in Islamic values and the pedagogical freedom of the Montessori Method creates a favourable environment for natural language acquisition.

Moreover, the study aspires to contribute significant practical and theoretical value. In practical terms, this research aims to provide a replicable model for educators, especially in religious educational settings, who wish to adopt modern, child-centered pedagogical approaches that remain aligned with cultural and religious principles. Theoretically, it offers a rich and nuanced case study in Second Language Acquisition and Montessori education, focusing on pedagogical localization and cultural enrichment, thereby contesting the rigid standardization currently prevalent in early language education and Montessori methods.

## **RESEARCH METHOD**

### **Research design**

This study employs a qualitatively oriented single case study design, which is deemed appropriate for a comprehensive and holistic examination of a complex social phenomenon situated within a real-life context (Sutrisno et al., 2020; Yin, 2018). The intent is to offer a “thick description” (Geertz, 1973) that captures a myriad of intricacies surrounding the dynamics of learning English within the specific milieu of an Islamic classroom that implements the Montessori principles. This analysis particularly emphasizes the relationships among the teaching context, cultural dimension, and

the children's spontaneous acts of speaking (Ali & Weir, 2020; Juliastuti et al., 2023).

### **Setting and participants**

Located in Yogyakarta, Indonesia, the research was conducted at a private Montessori school incorporating Islamic values into its daily activities and core curriculum. The preparatory environment included Montessori materials, a variety of Montessori resources, and appropriately sized furniture. During the school day, Islamic values were manifested in the practices through greetings, prayer (*du'a*), and community activities (*wudhu*, *salah*). The research community comprised a mixed-age classroom with nine children (four boys and five girls) ranging from 3 and 6 years of age, all from predominantly Indonesian-speaking families. The educator, or 'directress', took on the role of a facilitator and observer, rather than a primary instructor, allowing the children to engage with the environment freely. Before the study, ethical considerations regarding informed consent were thoroughly addressed with participants and school administration.

### **Materials and data collection procedures**

In order to gain a complete picture of the classroom dynamics, data were collected over several weeks, using specific materials and procedures. Some materials included a field notebook, which served as an observation protocol focused on instances of spontaneous language use and peer interactions, in addition to an interview protocol containing open-ended questions to facilitate the conversation. Important classroom resources observed in the context of language acquisition included Sandpaper Letters, phonetic object boxes, and English language storybooks. As a participant-observer, the researcher documented authentic classroom interactions and later carried out in-depth semi-structured interviews with the classroom directress and several parents to triangulate the observational data.

### **Data analysis**

The analysis employed a thematic approach. The focus was on the students as they progressed through various stages of

language acquisition. The analysis consisted of several stages (Creswell, 2012), including: (1) reviewing the complete dataset, which consisted of the field notes as well as the interview notes, (2) formulating some initial codes for some of the specific linguistic patterns, and then (3) noting the initial major themes from the text. The themes analyzed included the independent choice of materials in English, the spontaneous English speech around work and play, the language used in peer interactions, and the integration of the character routines and the self-learning observed activities.

### **Trustworthiness of the data**

Several strategies were implemented to enhance the rigor and quality of this qualitative study. For example, credibility was achieved through the triangulation of various data sources and prolonged engagement in the research setting, including direct participant observation as well as interviews with teachers and parents. To address transferability, the context was described in detail, and a rich "thick description" was provided to allow readers to evaluate the relevance of the findings to their context. Lastly, the study's dependability and confirmability were achieved through the systematic retention of research materials, including field notes and interview transcripts, which constitute an audit trail. This ensures the findings were meaningful and grounded in the collected data.

## **RESULTS & DISCUSSIONS**

Based on the classroom observations and interviews conducted, the relationship between Montessori philosophy, the Islamic values practiced in the school, and the learning of the English language is dynamic and interconnected. The environment provided for students did not merely offer exposure to a second language; rather, it was set up to facilitate the acquisition of that language. Four key themes emerge to elucidate this relationship and address the primary research question. These themes are: (1) autonomy as a gateway to language exposure, (2) children's spontaneous language production in a no-stress environment, (3) the combined effort of Islamic routines and Montessori freedom in

character development, and (4) young learners' language acquisition in a heutagogy environment.

### **Autonomy as a gateway to language exposure**

One fundamental aspect of the classroom is the premise that authentic learning is self-initiated by the child. The physical and pedagogical environment was carefully configured in a way that facilitated learners to cede control and for their autonomy to be the primary driver of their linguistic progress (Purwaningrum et al., 2024). This approach is far more complex than merely allowing children to choose their activities. It involved trusting them to be the designers of their own pathways for learning (Atis-Akyol et al., 2023; Liliard, A. S., 2005; Montessori, 1964).

The presence of readily available materials transforms the classroom into a realm of knowledge waiting to be uncovered. English resources are not sequestered to a particular "English Time," but are seamlessly incorporated into everyday classroom activities. For example, one child was observed independently engaging with the "Pink Tower." Upon completing the construction, he retrieved the corresponding English cards and matched the words 'small', 'smaller', and 'smallest' during his work activities. Another pair of students spent a remarkable half an hour in meaningful play using their phonetic object boxes. They enthusiastically engaged in a 'discovery' game, where they opened the boxes, played with (a fan, a cup, a lid) while articulating the initial English phonemes of the objects. The example of the boy tracing the sandpaper and then connecting it to a 'snake', was not an exception; it was the expected norm. Furthermore, no adult explanation was needed to see children interact with storybooks in English, use animal cards with bilingual names, and cursive text letters in English.

This radical autonomy is the first step to supercharging language acquisition. This directly activates Krashen's (1982) "comprehensible input" hypothesis, enriched by the added layer of personal relevance. When a child decides to work with the Pink Tower, the language that accompanies the task transforms from abstract vocabulary to a practical linguistic tool needed to explain a



concrete, self-directed achievement. This motivation, as the teacher said, is why the learning is "much deeper" [T1/I1/Q1]. The primary importance of self-directed work is that it offers a child the potential to experience deep, optimally focused learning "flow." The cognitive load is ideal for learning to occur because the task is well-aligned with the child's interests and abilities (Douglas et al., 2018; Liliard, A. S., 2005). The language that is mastered is not a mere set of words or tools but is deeply connected to a meaningful moment of learning, creation, or problem-solving (Blaschke, 2012; Montessori, 2012; Newman & Archer, 2024). In this context, the child is not merely acquiring a language; rather, they are using language as a tool to learn about the world as they choose.

To sum up, the freedom given within the framework is a strong filtering system that guarantees optimal effectiveness with every instance of language exposure. This approach transforms the environment into a linguistic buffet, allowing learners to choose content that aligns with their cognitive and emotional readiness. Such a pathway ensures that language is not just comprehensible but also compelling and meaningful, thereby providing the most favourable conditions for rapid language acquisition.

### **Spontaneous language production in a low-anxiety environment**

Similar to the classroom's physical environment, the psychological atmosphere was designed to be supportive and welcoming. There was a respect for the child's learning process that allowed for the creation of a haven in which risk-taking with language was encouraged. This shift from being a passive recipient of language to becoming an active, confident user was made possible only because of this psychological safety.

The teacher adopted the role of facilitator rather than that of corrector. For example, when a student pointed to a picture of a sheep and stated, "Look, three sheeps!", the teacher did not correct the student. The teacher simply said, "Yes, I see three sheep. They look so fluffy!" and moved on. This practice of "recasting" rather than correcting children was the teacher's standard practice. The result was a classroom fully alive and buzzing with communication.

There was a constant flow of spontaneous English, and it was entirely functional. A child who needed to solve a puzzle and was working with another said, "Help me, please." Two children playing with blocks said, "I want blue," and "No, my turn," to quarrel over the blocks. Another child seeing a friend's drawing shouted, "Wow, beautiful!" to give unsolicited praise. These spontaneous utterances and the use of language encountered was to meet the real social and practical demands.

This method cultivates a "low affective filter," an important element of second language acquisition theory where constructive encouragement facilitates learner confidence (Elkhafaifi, 2005). In this case, communicative intent was prioritized over grammatical accuracy. As such, the fear of judgment—an insurmountable barrier for most young learners—was removed (Horwitz, 2010). The teacher's use of recasting, a technique of graceful implication, was masterly. Without dismaying a learner, and without terminating the communicative act, a teacher can give a learner the required model of manipulation. Mistake—learning acts are built as an identity, and the learner gains self-confidence. Children are not "practicing English"; they simply communicate an idea and the English language is a means of expression. This is important for the development of communicative competence (Horwitz, 2010; Pichette, 2009).

The supportive environment served as a breeding ground for courage within language acquisition. The absence of judgment from the teacher fostered an atmosphere wherein children were encourage to use of the new language without the fear of making mistakes. The provision of psychological safety proved as important as the provision of the varied physical resources in the environment as it activated previously dormant knowledge to be expressed in a fluid, impromptu, and joyful manner. Consequently, this psychological safety accelerated the transition from understanding a language to freely producing it within moments.

### **Character building: the synergy of Islamic routines and Montessori independence**

In this study, the most profound and unique finding is the powerful symbiotic relationship between the Islamic values of the

school and the Montessori philosophy. The structured routines of Islamic *adab* (etiquette) were far from conflict; they provided the foundational character traits such as discipline, responsibility, and order that prepared the children to flourish within the freedom of the Montessori framework.

A possible tension exists within this model: Montessori philosophy emphasizes 'autonomy,' whereas traditional Islamic education tends to highlight 'obedience' (*ta'at*). However, this research identified that the tension was more superficial than operational. The insights gained from this research illustrate profound synergy, wherein Islamic 'obedience' is not the blind submission to authority, but the internalized discipline or 'obedience' to core values of order, respect, and responsibility (*adab*). This internal structure (obedience to the values) equips learners to effectively handle the profound external freedom (autonomy) of the Montessori method without descending into chaos. Thus, the school operationalizes management in a manner intended to realize autonomy, rather than mere obedience, perceiving it as the essential prerequisite to autonomy.

Beyond the theoretical perspective, the visible operational integration within the daily, simple yet significant routines assisted the students with desired learning behaviors. The snack time routine was designed for much more than the provision of sustenance. After a communal English and Arabic *du'a*, each child not only self-served from the communal plate, but also, wittingly or unwittingly, devoted his attention to the additional task of cleaning their area at the table. The remarkable transformation from a rather abstract notion (*adab* or etiquette) to a concrete, self-directed bodily movement was one of the salient operational outcomes of the integrated curriculum. This learned behavior acquired from Islamic routines was even more crucial in the Montessorian "work cycle." The observed discipline among students was commendable: a child would select an activity, take it to a mat, work on it for an extended time, and return it, meticulously and exactly, to the shelf before choosing another task. This ingrained order and responsibility, endemic to Islamic routines, operationally served as the foundation

that directly influenced the young learners' language acquisition behaviors. Such a foundation facilitated children to achieve the extended periods of deep concentration ("flow") that the Montessori method aims for.

The ideal psychological state for promoting cognitive learning among young students is characterized by a focus on Islamic values, which effectively directs the child's attention towards the learning task, thereby mitigating disruptive behavior. It is during these moments, when the child is left alone with the learning materials, that acquisition takes place. During these intervals of concentration, the child is heard softly articulating the phonemes of the sandpaper letters or the vocabulary of the text cards. Thus, Islamic values play a crucial behavioral role in influencing learning outcomes while simultaneously enhancing the child's capacity for the sustained self-discipline necessary for rapid language acquisition.

The teacher's insight that "Islamic values teach them how to use that freedom wisely" is the core argument of this study. The daily Islamic routines functioned as a consistent, predictable internal scaffolding. They cultivated self-regulation (independence), which is the prerequisite for productive autonomy (Gormley et al., 2005; Knowles, 1975; Montessori, 1915; Zhou et al., 2021). True freedom in a learning environment is not chaos; it is the ability to make purposeful choices within a clear structure (Marshall, 2017). The Islamic routines provided are very structured. Because the children possessed a strong internal sense of order and responsibility, they were not overwhelmed by the freedom of choice. Instead, they could engage with it purposefully, leading to the long periods of deep concentration necessary for meaningful learning (Mutmainah et al., 2022; Zhou et al., 2021). This synergy resolved the potential paradox of "unstructured learning" by showing that inner structure is the key to navigating outer freedom (Gormley et al., 2005).

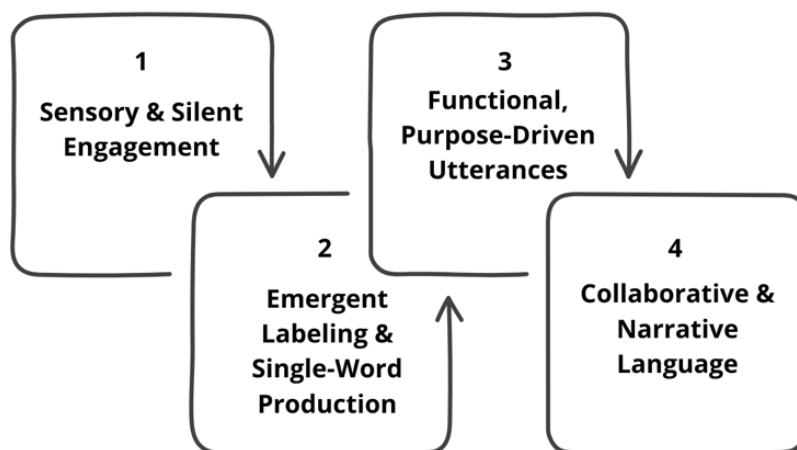
Furthermore, the value of the wise-freedom habit affects students' social interaction. Students communicated their boundaries and discomfort without hesitation, saying things like

"I'm not comfortable with that" and "I'm working alone now." This is especially important because it fosters a lifelong essential skill: learning to say no and accept refusal is a social art form, indicating that the person is attuned to the relational and emotional spaces of others. This indicates a growing autonomy, not just in terms of teaching, but also in their social-emotional maturity.

The Islamic character-building component was not merely an additional feature of the school; it was arguably the pivotal element driving the success of the school's pedagogical model. It supplied the school with the "how to be," which lent shape and purpose to the "what to do." By Islamic practices integrating a sense of personal responsibility, discipline, and respect for order, the children's character was prepared for the profound demands and unconditional opportunities of self-determined learning. This preparation moves beyond the pedagogical readiness, fostering the students' social-emotional intelligence needed to be wise and respectful individuals. This created a remarkably fertile ground for all areas of their development, including the acquisition of language.

### **Young learners' acquisition stages in the heutagogy environment**

Although the setting provided the right conditions, the way the language was learned in this self-determined (heutagogical) context was far from random. It was possible to see the pathway through which learners moved from silent participation to collaborative discourse. This pathway can be described in four consecutive stages as shown in the following diagram.



**Figure 1.** Young Learners' Language Acquisition Stages in Heutagogy Environment

For most children, the first step in learning English was through non-verbal interactions. They started with sensory engagements with the learning materials: touching the sandpaper letters, observing the varying colors of the Pink Tower, or sorting the phonetic objects in silence. The "silent period" in language acquisition is a common phenomenon, where learners construct a significant amount of receptive knowledge before attempting to speak. In this self-directed environment, the child is allowed to take as much time as required at this sensory level, absorbing the concepts and the latent language of the materials without any pressure to verbalize.

The first stage of language development, characterized solely by non-verbal communication, aligns with findings from research on second language acquisition. The "silent period" is a very important stage in which learners begin to understand and take in language without any expectation to speak it. Montessori's approach to teaching is one of the many that supports this type of learning. She promoted sensory learning wherein children manipulate materials and explore at their own pace. This makes for a rich environment for language acquisition and cognitive

development (Whitescarver & Cossentino, 2008; Xiao-li et al., 2023). During this period, studies show that children are developing important receptive skills, which are vital for their eventual expressive skills (Guo, 2023; Sierens et al., 2019).

After the silent period, the first verbal output consisted of single words used to label their surroundings and actions. For instance, a child engaged with animal figures might hold up a lion and say, "lion," While another sorting colored tablets might whisper, "blue." This shows the child direct, one-to-one linking of a concept through self-directed work to the English label of the concept. This one-to-one connection underscores the child's work with the object, the first evidence of the language system starting to "click" into place. The concept is always tied to a concrete object and quality, which the child has chosen to explore.

Children progress from the silent stage to the word-uttering stage, whereby they link concepts to their respective labels, forming the foundation of individual engagement and self-directed learning. This stage coincides with the cognitive phase of language learning, whereby the learner's first vocabulary consists of concrete and personalized items (Gelir, 2021; Hoff, 2017; Hoff & Ribot, 2017). The Montessori method continues to highlight the significance of this association in language learning, as children acquire language while using concrete materials and personalized items (Atli et al., 2016; Campanelli, 2023). This method enables the transition from basic naming to advanced levels of speech, and this aligns well with the emergent language development phases described in the literature (Saville-Troike, 2012).

The subsequent significant development involved moving from simple labelling to functional communication. At this stage, children begin to combine two or more words to accomplish a defined social or practical purpose. This stage prominently featured the language of negotiation, request, and assertion. Expressions such as "my turn," "help me, please," and "I want blue" are typical of this stage. The constructions are still simple, but the purpose of the utterance is sophisticated: it aims to change social interactions and

manipulate the immediate environment. It marks a shift from only naming the world to actively engaging in it.

At this point in the children's language acquisition stage, the Montessori method encourages cooperative learning, whereby children perform basic word combinations to achieve functional communication, negotiation, and assertion in social environments. This development confirms the conceptualization of language and social interaction as described by various authors, particularly the role of joint discourse in the attainment of language independence (Baird et al., 2010; Foushee et al., 2023). As the Montessori method incorporates cooperative learning activities, it becomes an ideal environment for language socialization alongside the development of other social competencies (Gerker, 2023; Tomasello, 2001).

The last stage the researcher observed by the researcher, involved the use of language for advanced, collaborative functions. This stage manifested in various forms, including the co-creation of scenarios, the narration of actions to a partner, and joint storytelling, as illustrated by the children collaboratively "reading" a picture book together ("Look, a cat!"). Children at this stage use language not for immediate, personal purposes, but for a collaborative experience and shared imagination. This represents the child's confidence in using the language and a deeper integration of the language into the level of thinking in it, rather than just using it. This pathway reflects the effectiveness of a heutagogical approach. By allowing learners to set their own pace, this method acknowledges the inherent order and internal spontaneity of language development, transitioning from silent, internal comprehension to collaborative construction.

In this stage, the ability of children to use language creatively indicates a high level of cognitive and linguistic development. Participating in collaborative scenario-building and co-storytelling signifies a new stage in a child's linguistic evolution, wherein language serves as a medium for collective understanding and shared creative vision. This development correlates with cognitive psychology, which posits that advanced linguistic skills facilitate sophisticated cognitive processes and collaborative learning



(Kyuchukov, 2024; Lillard & McHugh, 2019). The heutagogical approach to learning further supports this development by positioning the learner at the center of the educational process, thereby fostering autonomy and intrinsic motivation. These factors are associated with increased language development (Hoff & Ribot, 2017; Lin, 2023; Supriadi et al., 2024).

It is important to note that those four steps were specific conditions taken from the exceptional synergy between Islamic character-building and the pedagogical freedom of the Montessori method. These aspects are particularly unique to this implementation within Islamic school settings. Even so, the developmental pathway of the child, from silent sensory engagement, to emergent labelling, functional utterances, and collaborative narration, resonates with universal principles of natural language acquisition. It reflects the well-documented "silent period" and the natural order of linguistic development in any self-determined, immersion-based situation of significant duration. Therefore, while the impetus for this process is culturally specific, the resulting pathway is not limited in any way. It may be used as a valuable reference for professionals who wish to observe and create conditions conducive to autonomous language acquisition in various educational contexts.

All in all, the answer to the research question reflects the complexity and the depth of the interlinking four themes. It is the first three pillars that create the fertile ground for language to develop. The concept of autonomy as a gateway means that the "seeds" of language are personally meaningful. The low-anxiety environment provides the "psychological safety" needed for those seeds to sprout. The synergistic effect of Islamic character building offers "internal discipline" in the learner, enabling a concentrated and purposeful approach to individual learning. It is in this perfectly prepared ecosystem that the fourth theme—pathway of acquisition—comes into play. The movement from silent participation to active dialogue results from the other three elements working in synergy. It is clear from this example that the rapid acquisition of language was the result of an environment that

nurtured the learner's autonomy, character, courage, and natural development; This outcome was certainly not coincidental.

## **CONCLUSION**

This qualitative case study sought to investigate a specific intersection in education in order to understand the process of acquiring English through Montessori Principles within an Islamic School environment. The findings suggest that the remarkable achievements within this environment stem from the comprehensive and harmonious integration of its foundational philosophies rather than from any specific pedagogical component. Furthermore, this study also maps the distinct, applicable pathway of acquisition that the young learners follow within their heutagogical environment. The primary contention of this study is that the daily Islamic practices of character development provide essential internal scaffolding—namely discipline, responsibility, and order—allowing children to productively exploit the pedagogical freedom afforded by the Montessori method. A virtuous cycle is established in this case: Islamic values cultivate the character necessary for self-direction, while self-direction nourishes conditions for deep, real-time language acquisition. Consequently, the environment serves as a holistic system that nurtures the cognitive, affective, and moral dimensions of the child, demonstrating that optimal learning happens when the whole being of a child is engaged.

The implications of this research on educational practice and theory are noteworthy. On a practical side, the findings offer faith-based educators an important alternative to the 'false dichotomy' between progressive, child-centered pedagogies and value-based religious education. This research has the potential to create culturally sustaining and pedagogically sound learning environments that are spiritually uplifting. Additionally, this study goes beyond description by presenting an original conceptual model that integrates faith-based character building (the "how to be") as the basis for the pedagogical freedom (the "what to do"). This model resolves the tension between "autonomy vs. obedience" and

provides a novel pathway for other faith-based institutions to implement global, child-centered pedagogies while preserving their core values.

On the theoretical side, this research contributes to the literature on Second Language Acquisition and intercultural education by offering a detailed case study, which uniquely contextualizes and empirically validates concepts such as the affective filter, among other foundational theories. Additionally, this study enhances the Montessori theory by demonstrating contextualization of its philosophy through cultural infusion, thereby disproving the notion of a one-size-fits-all approach.

It is important to note that the specific context of this case study means its conclusions are illuminative rather than generalizable; however, this limitation is acknowledged, and several avenues for future research are proposed. One of the next logical steps would involve comparative studies that specifically explore the impact of this synergistic approach in the Islamic School while adhering to Montessori principles and other educational frameworks. Additionally, the potential benefits of autonomous learning as acquired by students should be assessed through longitudinal research, tracking a cohort of student over several years. Lastly, in addition to this qualitative study, a quantitative investigation focusing on specific aspects of language, such as the rate of vocabulary acquisition, would extend the exploratory findings of this study and strengthen cross-cultural research on the local adaptation of global pedagogies.

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### **Statement of Interest**

The author would like to confirm that we have no competing financial interests or personal relationships that could be perceived as influencing the work reported in this paper.

### **REFERENCES**

- Ali, S., & Weir, D. (2020). Wasta: Advancing a holistic model to bridge the micro-macro divide. *Management and Organization Review*, 16(3), 657–685. <https://doi.org/10.1017/mor.2020.27>
- Aprilia, P. K., Romadhon, M. G. E., Fikri, D., & Mustofa, M. (2023). Strategies and challenges in interdisciplinary English language teaching at the preschool level: A qualitative analysis. *VELES (Voices of English Language Education Society)*, 7(3), 652–664. <https://doi.org/10.29408/veles.v7i3.24566>
- Atis-Akyol, N., Uludag, G., & Tosun, B. (2023). Montessori practices in early childhood education with teachers' experiences. *Research in Pedagogy*, 13(1), 177–192. <https://doi.org/10.5937/IstrPed2301177A>
- Atli, S., Korkmaz, A. M., Tastepe, T., & Akyol, A. (2016). Views on Montessori approach by teachers serving at schools applying the Montessori approach. *Eurasian Journal of Educational Research*, 16(66), 1–30. <https://doi.org/10.14689/ejer.2016.66.7>
- Baird, G., Dworzynski, K., Slonims, V., & Simonoff, E. (2010). Memory impairment in children with language impairment. *Developmental Medicine & Child Neurology*, 52(6), 535–540. <https://doi.org/10.1111/j.1469-8749.2009.03494.x>
- Blaschke, L. M. (2012). Heutagogy and lifelong learning: A review of heutagogical practice and self-determined learning. *The International Review of Research in Open and Distributed*

- Learning*, 13(1), 56.  
<https://doi.org/10.19173/irrodl.v13i1.1076>
- Campanelli, C. (2023). Book review: The bloomsbury handbook of Montessori education. *Journal of Montessori Research*, 9(1).  
<https://doi.org/10.17161/jomr.v9i1.20237>
- Creswell, J. W. (2012). *Educational Research: Planning, Conducting, and Evaluating Quantitative and Qualitative Research* (4th ed.). Boston: Pearson.
- Douglas, N., Brush, J., & Bourgeois, M. (2018). Person-centered, skilled services using a Montessori approach for persons with dementia. *Seminars in Speech and Language*, 39(03), 223–230.  
<https://doi.org/10.1055/s-0038-1660781>
- Duckworth, A. L. (2016). *Grit: The power of Passion and Perseverance*. New York: Simon and Schuster.
- Dweck, C. S. (2006). *Mindset: The New Psychology of Success*. New York: Random House Publishing Group.
- Elkhafaifi, H. (2005). Listening comprehension and anxiety in the Arabic language classroom. *The Modern Language Journal*, 89(2), 206–220. <https://doi.org/10.1111/j.1540-4781.2005.00275.x>
- Foushee, R., Srinivasan, M., & Xu, F. (2023). Active learning in language development. *Current Directions in Psychological Science*, 32(3), 250–257.  
<https://doi.org/10.1177/09637214221123920>
- Geertz, C. (1973). *The Interpretation of Cultures: Selected Essays*. New York: Basic Books.
- Gelir, İ. (2021). Learning English as a second language through translanguaging in early years. *Adiyaman Üniversitesi Eğitim Bilimleri Dergisi*, 11(1), 1–8.  
<https://doi.org/10.17984/adyuebd.700458>
- Gerker, H. E. (2023). Making sense of Montessori teacher identity, Montessori pedagogy, and educational policies in public schools. *Journal of Montessori Research*, 9(1).  
<https://doi.org/10.17161/jomr.v9i1.18861>

- Gormley, W. T., Gayer, T., Phillips, D., & Dawson, B. (2005). The effects of universal Pre-K on cognitive development. *Developmental Psychology*, 41(6), 872–884. <https://doi.org/10.1037/0012-1649.41.6.872>
- Gumiandari, S., Nafi'a, I., & Jamaluddin, D. (2019). Criticizing Montessori's method of early childhood education using Islamic psychology perspective. *Jurnal Pendidikan Islam*, 5(2), 133–148. <https://doi.org/10.15575/jpi.v5i2.5835>
- Guo, Y. (2023). Children's cognitive development: Early language learning. *Communications in Humanities Research*, 3(1), 925–929. <https://doi.org/10.54254/2753-7064/3/20221007>
- Hanafi, H., & Adwitiya, A. B. (2022). English Language Anxiety. *International Social Sciences and Humanities*, 2(1), 351–357. <https://doi.org/10.32528/issn.v2i1.213>
- Hase, S., & Kenyon, C. (2000). From andragogy to heutagogy. *Utibase Articles*, 5, 1–10. [https://www.researchgate.net/publication/301339522\\_From\\_andragogy\\_to\\_heutagogy](https://www.researchgate.net/publication/301339522_From_andragogy_to_heutagogy)
- Hoff, E. (2017). How bilingual development is the same as and different from monolingual development. *OLBI Working Papers*, 8. <https://doi.org/10.18192/olbiwp.v8i0.2114>
- Hoff, E., & Ribot, K. M. (2017). Language growth in English monolingual and Spanish-English bilingual children from 2.5 to 5 years. *The Journal of Pediatrics*, 190, 241–245. <https://doi.org/10.1016/j.jpeds.2017.06.071>
- Horwitz, E. K. (2010). Foreign and second language anxiety. *Language Teaching*, 43(2), 154–167. <https://doi.org/10.1017/S026144480999036X>
- Juliastuti, Thayyib, M., & Haerazi, H. (2023). Intercultural communicative competence model using English literature: A case study at some Islamic Universities in Indonesia. *Register Journal*, 16(1), 112–138. <https://doi.org/10.18326/register.v16i1.112-138>
- Knowles, M. (1975). *Self-directed Learning: A Guide for Learners and Teachers*. Chicago: Follett Publishing Company.

- Krashen, S. D. (1982). *Principles and Practice in Second Language Acquisition*. Oxford: Pergamon Press.
- Kyuchukov, H. (2024). Learnability theory and rural Roma children's knowledge of languages: An empirical psycholinguistic comparative study. *PSYCHOLINGUISTICS*, 35(1), 108–133. <https://doi.org/10.31470/2309-1797-2024-35-1-108-133>
- Liliard, A. S. (2005). *Montessori: The Science Behind the Genius*. Oxford: Oxford University Press.
- Liliard, P. P. (1972). *Montessori: A Modern Approach*. New York: Shocken Books.
- Lillard, A. S., Heise, M. J., Richey, E. M., Tong, X., Hart, A., & Bray, P. M. (2017). Montessori preschool elevates and equalizes child outcomes: A longitudinal study. *Frontiers in Psychology*, 8. <https://doi.org/10.3389/fpsyg.2017.01783>
- Lillard, A. S., & McHugh, V. (2019). Authentic Montessori: The Dottoressa's view at the end of her life Part I. *Journal of Montessori Research*, 5(1), 1–18. <https://doi.org/10.17161/jomr.v5i1.7716>
- Lin, Z. (2023). Analyzing the effects of second language acquisition on children's cognitive development. *SHS Web of Conferences*, 180, 02021. <https://doi.org/10.1051/shsconf/202318002021>
- Marshall, C. (2017). Montessori education: A review of the evidence base. *Npj Science of Learning*, 2(1), 11. <https://doi.org/10.1038/s41539-017-0012-7>
- Montessori, M. (1915). *My System of Education*. New York: The House of Childhood.
- Montessori, M. (1949). *The Absorbent Mind*. Madras: The Theosophical Publishing House.
- Montessori, M. (1964). *The Montessori Method*. New York: Schocken Books.
- Montessori, M. (2007). *L'enfant Dans la Famille*. Paris: Desclee de Bower.

- Montessori, M. (2012). *The Montessori Method* (A. E. George, Ed.). New York: Project Gutenberg.
- Mutmainah, S. U., Permatar, A. D., Adawiyah, S., & Prihantini, P. (2022). Urgensi pengelolaan pendidik dan tenaga kependidikan berbasis sekolah dalam peningkatan mutu sekolah. *Aulad: Journal on Early Childhood*, 4(3), 280–289. <https://doi.org/10.31004/aulad.v4i3.227>
- Newman, S., & Archer, N. (2024). Maria Montessori and the mystery of language acquisition. *Journal of Montessori Research*, 10(1). <https://doi.org/10.17161/jomr.v10i1.21686>
- Pattiruhu, C. M., Makulua, K., Thalib, N., Elizar, E., & Pandia, B. S. (2023). Integrative holistic learning strategies in early childhood education. *Al-Hijr: Journal of Adulearn World*, 2(4), 329–349. <https://doi.org/10.55849/alhijr.v2i1.549>
- Pichette, F. (2009). Second language anxiety and distance language learning. *Foreign Language Annals*, 42(1), 77–93. <https://doi.org/10.1111/j.1944-9720.2009.01009.x>
- Purwaningrum, A. Y., Lengkanawati, N. S., & Yusuf, F. N. (2024). Examining mobile-assisted language learning as an autonomous writing tool for Indonesian secondary EFL students. *Register Journal*, 17(2), 328–351. <https://doi.org/10.18326/register.v17i2.328-351>
- Ramadah, A. S. (2023). The implementation of the Montessori method in building learning motivation in low elementary at Bainy Bunch International Islamic Montessori School, Malaysia. *At-Thullab : Jurnal Mahasiswa Studi Islam*, 5(2), 156–166. <https://doi.org/10.20885/tullab.vol5.iss2.art15>
- Saville-Troike, M. (2012). *Introducing Second Language Acquisition*. Cambridge: Cambridge University Press. <https://doi.org/10.1017/CBO9780511888830>
- Sierens, S., Slembrouck, S., Van Gorp, K., Agirdag, O., & Van Avermaet, P. (2019). Linguistic interdependence of receptive vocabulary skills in emergent bilingual preschool children: Exploring a factor-dependent approach. *Applied Psycholinguistics*, 40(05), 1269–1297. <https://doi.org/10.1017/S0142716419000250>



- Supriadi, S., Rozelin, D., Muhaimin, M., & Fauzan, U. (2024). The implementation of autonomous learning through multimedia oral presentation to develop students' language skills. *Register Journal*, 17(2), 301–327. <https://doi.org/10.18326/register.v17i2.301-327>
- Sutrisno, L., Widodo, S., Sudardi, B., & Warto, W. (2020). Javanese cross-gender: The three domains of cabaret show in Yogyakarta City. *Proceedings of the Third International Seminar on Recent Language, Literature, and Local Culture Studies, BASA, 20-21 September 2019, Surakarta, Central Java, Indonesia*. <https://doi.org/10.4108/eai.20-9-2019.2297042>
- Tomasello, M. (2001). First steps toward a usage-based theory of language acquisition. *Cognitive Linguistics*, 11(1–2), 61–82. <https://doi.org/10.1515/cogl.2001.012>
- Walls, J. K. (2018). To what extent do parents of Montessori-educated children “do Montessori” at home? preliminary findings and future directions. *Journal of Montessori Research*, 4(1), 14–24. <https://doi.org/10.17161/jomr.v4i1.6737>
- Whitescarver, K., & Cossentino, J. (2008). Montessori and the mainstream: A century of reform on the margins. *Teachers College Record: The Voice of Scholarship in Education*, 110(12), 2571–2600. <https://doi.org/10.1177/016146810811001202>
- Wijaya, K., Wijaya, R. G., Huwaida, J., & Rochmat, C. S. (2024). Thematic learning in the independent curriculum in elementary schools based on the Islamic Montessori method for multiple intelligence. *Indonesian Journal of Educational Research and Review*, 7(1), 85–97. <https://doi.org/10.23887/ijerr.v7i1.66794>
- Xiao-li, L., Su, N., Lu, Y., & Hong-li, L. (2023). Montessori educational thought and its implications for family education. *Applied & Educational Psychology*, 4(8). <https://doi.org/10.23977/appep.2023.040801>
- Yin, R. K. (2018). *Case Study Research and Applications: Design and Methods* (6th ed.). Los Angeles: Sage.

- Zein, S. (2016). Pre-service education for primary school English teachers in Indonesia: policy implications. *Asia Pacific Journal of Education*, 36(sup1), 119–134. <https://doi.org/10.1080/02188791.2014.961899>
- Zhou, T., Qu, J., Sun, H., Xue, M., Shen, Y., & Liu, Y. (2021). Research trends and hotspots on Montessori intervention in patients with dementia from 2000 to 2021: A bibliometric analysis. *Frontiers in Psychiatry*, 12. <https://doi.org/10.3389/fpsy.2021.737270>