PRESCHOOL TEACHERS' LEVEL OF IMPLEMENTATION OF DEVELOPMENTALLY APPROPRIATE PRACTICES AND THE DEVELOPMENTAL PROGRESS OF PRESCHOOL PUPILS

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ABSTRACT: This study aims to look into the preschool teachers' developmentally appropriate practices (DAP) in relation to the developmental progress of preschool pupils. The quantitative approach was used to identify the preschool teachers' profile, and their developmentally appropriate practices in terms of these areas; (1.) creating a caring, equitable community of learners; (2.) engaging in reciprocal partnerships with families and fostering community connections; (3.) observing, documenting, and assessing children's development and learning; (4.) teaching to enhance each child's development and learning; (5.) planning and implementing an engaging curriculum to achieve meaningful goals; and (6.) demonstrating professionalism as an early childhood educator. The study's findings show that a majority of preschool teachers had obtained baccalaureate degrees in other fields and consistently applied developmentally appropriate practices. The developmental progress of the preschool pupils was categorized as average. Results show a neutral perspective regarding the difficulties encountered by preschool teachers in implementing the DAP. In addition, their level of utilization of DAP and the preschool pupils' level of development were positively correlated, as well as their profile and level of utilization of DAP and the level of challenges met in implementing these practices. In light of the findings and conclusions drawn, initiatives were proposed to enhance the implementation of developmentally appropriate practices and improve the developmental progress of preschool pupils.

Keywords: Developmentally Appropriate Practices, Developmental Progress, Early Childhood Education, Preschool Teachers, Preschool Pupils

1. INTRODUCTION

Over the past two decades, there has been a significant 28% rise in the enrollment rate for pre-primary education. Access to pre-primary education has increased but many children still have not been reached [1]. Unfortunately, the COVID-19 pandemic has resulted in a global disruption to education, which has been acknowledged as the worst education crisis on record [2]. In light of this crisis, it is essential for teachers to be adequately equipped and trained to effectively support the holistic needs of children. To achieve this, educators should consider establishing an optimal environment, developing an engaging curriculum, and adapting appropriate strategies to suit the needs and goals of children [3].

Providing pre-primary education is crucial as early experiences during the critical period of rapid brain development are vital for future undertakings. During this significant period of rapid brain development, receiving nurturing care is of utmost importance [1]. To ensure optimal care for children, it is crucial to provide early childhood educators with the necessary knowledge, skills, and material resources for appropriate child care. This includes implementing developmentally appropriate practices (DAP), a framework, and a philosophical approach for teaching young children which is rooted in extensive research on child development and learning [4]; [5]. It emphasizes the importance of teachers meeting children at their individual developmental levels and supporting them in reaching challenging and achievable learning goals. By understanding the unique needs of young children and implementing effective practices, DAP fosters their overall development.

In line with the mandate and legal bases, the Department of Social Welfare and Development acknowledges the role of the Day Care Service in honing the physical, intellectual, social, and emotional needs of children aged 0-5.11 years old [6]. One of its main goals is the

advancement of children's growth and development by applying developmentally appropriate curriculum for young children including content, methods, activities, materials, appropriate guidance techniques, and interactions. Early Childhood Care and Development (ECCD) service providers, specifically the child development workers, as pronounced in the Early Years Act of 2013 or Republic Act No. 10410 are the principal characters in handling the needs of Filipino children. In Early Childhood Care and Development, children are assessed based on their performance in gross motor, fine motor, self-help, receptive language, expressive language, cognitive and socio-emotional domain which are indicated in the Early Childhood Care and Development checklist. In accordance with the Standards for Day Care, other ECCD Centers and Service Providers, child development teachers and workers are expected to apply developmentally appropriate practices to develop the pre-kindergarteners.

The use of developmentally appropriate practices requires teachers to create interactive experiences for young children to develop holistically. Several studies specified the positive impacts of DAP in a classroom setting [7].

Nonetheless, a limited number of studies assessed the significance of developmentally appropriate practices of preschool teachers on preschool pupils' gross motor, finemotor, self-help, receptive language, expressive language, cognitive and social-emotional development [8]. This study filled a gap in the early childhood education literature since it assessed the developmentally appropriate practices implemented by the DSWD preschool teachers in promoting the development of preschool pupils.

Specifically, it sought to answer the following specific problems:

- 1. What is the profile of the preschool teachers in terms of:
 - 1.1 highest educational attainment;
 - 1.2 number of years in teaching preschool;

- 1.3 number of seminars/trainings on early childhood education attended?
- 2. What is the level of implementation of the preschool teachers

in terms of:

- 2.1 creating a caring, equitable community of learners:
 - 2.2 engaging in reciprocal partnerships with families and fostering community connections;
- 2.3 observing, documenting, and assessing children's development and learning;
- 2.4 teaching to enhance each child's development and learning;
- 2.5 planning and implementing an engaging curriculum to achieve meaningful goals; and
 - 2.6 demonstrating professionalism as an early childhood educator?
- 3. What is the developmental progress of preschool pupils in the following domains:
 - 3.1 gross motor;
 - 3.2 fine motor;
 - 3.3 self-help;
 - 3.4 receptive language;
 - 3.5 expressive language;
 - 3.6 cognitive; and
 - 3.7 social-emotional?
- 4. What is the level of challenges met by the preschool teachers in implementing the developmentally appropriate practices?
- 5. Is there a relationship between the:
 - 5.1 preschool teachers' level of utilization of developmentally appropriate practices and the preschool pupils' level of development?
 - 5.2 profile of the preschool teachers and level of utilization of developmentally appropriate practices?5.3 profile of the preschool teachers and level of challenges met in implementing the developmentally appropriate practices?

2. REVIEW OF RELATED LITERATURE

Developmentally Appropriate Practices

Developmentally Appropriate Practice (DAP) is a teaching approach informed by child development research that aims to support every child's holistic growth [4]. It emphasizes individualized and culturally relevant education to enhance social, emotional, cognitive, and physical development [5]. DAP is grounded in creating inclusive, hands-on, and play-based learning environments and fostering healthy relationships among educators, children, and families. Regular assessment is integral to DAP, allowing educators to individualize instruction, track progress, and set meaningful goals aligned with children's needs [9].

The NAEYC introduced DAP in 1986 as a response to increasing formal academic trends in early childhood programs. Its principles guide educators in crafting childcentered curricula and environments that encourage problemsolving, critical thinking, and lifelong learning. The approach emphasizes respecting children's unique abilities, passions, and cultural backgrounds, thereby ensuring that teaching strategies meet the individual and age-appropriate needs of young learners [10]; [11].

Teachers play a pivotal role in creating optimal learning opportunities that promote children's overall wellbeing [12]. Pendergast et al. [13] emphasize that DAP is rooted in a thorough understanding of child development and developmental theories, guiding educators to make informed teaching decisions. This framework underscores the importance of age, individual, and socio-cultural appropriateness.

DAP also involves culturally responsive teaching, acknowledging diverse values and beliefs. Educators must align their teaching strategies with children's developmental needs, family backgrounds, and societal contexts [14]. Successful implementation of DAP requires teachers to possess a comprehensive understanding of age-related developmental milestones and the ability to make predictions about children's learning trajectories [15]. Additionally, DAP necessitates structured yet flexible teaching frameworks that transcend the misconception that early childhood education is merely play [16].

Impact and Implementation of Developmentally Appropriate Practices in Developmental Domains

DAP significantly enhances children's literacy and developmental outcomes. Tariman [7] found that kindergarten teachers who prioritize age, individual, and socio-cultural appropriateness achieve improved literacy levels among students. Best practices in DAP include creating print-rich environments, fostering oral language development, and incorporating phonemic awareness activities through songs, stories, and play [13].

Studies also reveal correlations between DAP and literacy development across cognitive, expressive, and receptive domains [4]. Early exposure to culturally relevant materials and engaging learning experiences expands children's vocabulary and cognitive skills [17]. The use of tools like the ECCD checklist aids teachers in identifying developmental needs and ensuring tailored interventions [18]. Despite these advancements, challenges persist, particularly in the systematic monitoring of DAP implementation in the Philippines [19].

Developmental Domains

Children's development is interconnected, with progress in one domain influencing others, emphasizing the need for holistic growth. The adaptive domain involves self-care skills like eating, dressing, and toileting, as well as personal responsibility, such as organizing belongings and recognizing risks, fostering independence in early learning environments [20]. The personal-social domain develops emotional awareness, self-concept, and social interactions through play, enabling children to form relationships, empathize, and regulate emotions for successful socialization [21]. The communication domain focuses on understanding and using language to express needs and interact, with receptive skills (responding to words) and expressive skills (gestures and sentences) forming the foundation for literacy [22]. The motor domain includes gross motor skills like walking and jumping and fine motor skills like writing, enhancing coordination and precision through activities like crafts and sports [20]. Finally, the cognitive domain supports memory, problem-solving, and critical thinking, enabling children to understand cause-effect relationships and develop academic readiness [21]. These domains collectively ensure children grow into capable, well-rounded individuals.

Early Childhood Care and Education

Relevant environmental stimulations, especially form primary caregivers were recognized as important determinants of a child's development. Development proceeds at varying rates for each child and reflects children's experiences and their environment [23]. The benefits of preschool attendance persist through the duration of primary school. Access to preschool, frequency, and length of attendance made a positive difference. Students' attendance in a day care or preschool enabled effective teaching [2]. One of the tools in assessing children's development is the use of ECCD checklist. This helps teachers in identifying the development status of children and those who may have developmental needs or challenges [18]. School, social interaction and family are identified that affect the performance of preschoolers. Majority of the preschool children were competent in most of the cognitive competencies [24]. In addition, a study of Casipe [17] shows that the pupil respondents are categorized to be in an average overall development based on the Level of Development for the Seven Domains using the Philippine Early Childhood Development Checklist. The kindergarten pupils always demonstrate the expected competence, always participate in the different activities, work independently, and always perform tasks to nurture their socio-emotional development and language, literacy, and communication development particularly on listening and viewing macro-skills.

Challenges in Implementing Developmentally Appropriate Practices

Several barriers hinder the effective execution of DAP. A significant issue is the lack of resources and time to create age-appropriate materials [25]. Teachers face challenges in addressing individual appropriateness due to large class sizes, classroom interruptions, and varying developmental rates among students [3]; [26]. Moreover, socio-cultural appropriateness is often compromised by insufficient parental and stakeholder support. Poverty, absenteeism, and medical issues further exacerbate these challenges [27]; [28].

The professional development of preschool teachers is constrained by financial limitations at the local government level, resulting in inadequate training and capacity-building opportunities [29]. Enhanced training programs and systematic monitoring are critical for addressing these gaps and ensuring the consistent application of DAP.

3. SIGNIFICANCE OF THE STUDY

The following sectors and individuals will benefit from this study:

Preschool Teachers

This will serve as a basis for enhancing the developmentally appropriate practices as well as to give necessary activities for the development of young children.

Preschool Pupils

The results will be beneficial in strengthening their developmental progress.

Parents

This study will serve as a guide to parents to perform home learning practices to track the development of their children.

Early Childhood Program Administrators

This study will serve as a guide for the administrators to provide trainings, workshops and seminars on developmentally appropriate practices for the preschool teachers in order to provide the basic holistic needs of young children.

Future Researchers

This will serve as a guide to further develop researches in developmentally appropriate practices and development status of young children.

4. METHODOLOGY

Research Design

This study employs a descriptive-correlational research design to explore the preschool teachers' level of implementation of developmentally appropriate practices and the developmental progress of preschool pupils. The descriptive aspect examines the preschool teachers' level of implementation of developmentally appropriate practices, developmental progress of preschool pupils and level of challenges met in implementing developmentally appropriate practices , while the correlational aspect investigates the relationship between preschool teachers' level of utilization of developmentally appropriate practices and the preschool pupils' developmental progress, their profile and level of utilization of developmentally appropriate practices and level of challenges met in implementing the developmentally appropriate practices.

Research Respondents

The study is conducted at Dumaguete City, Sibulan, Bacong and Valencia Child Development Centers, where preschool teachers are catering the preschool pupils enrolled in these centers.

Population and Sampling

The target population consists preschool teachers teaching in a child development center. A purposive sampling technique

used, selecting preschool pupils who are enrolled in a child development center for the academic year 2021-2022.

Research Instrument

The study utilized a survey questionnaire to gather data pertinent to the developmentally appropriate practices of preschool teachers. The instrument is divided into three parts:

Demographic Profile – Includes information on highest educational attainment, number of years in teaching preschool and number of seminars or trainings attended on early childhood education

Adapted from the guidelines on developmentally appropriate practices developed by the National Association for the Education of Young Children - Assesses the level of implementation in (1.) a caring, equitable community of learners; (2.) engaging in reciprocal partnerships with families and fostering community connections; (3.) documenting, assessing observing, and children's development and learning; (4.) teaching to enhance each child's development and learning; (5.) planning and implementing an engaging curriculum to achieve meaningful goals; and (6.) demonstrating professionalism as an early childhood educator, rated on a five-point Likert scale (1 = Never Practiced, 5 = Always Practiced).

Level of challenges – Measures the challenges encountered by the preschool teachers in implementing the developmentally appropriate practices

Likewise, secondary data such as the results of the preschool pupils' Early Childhood Care and Development Checklist was secured from the preschool teachers' respective centers to determine the learners' development on the seven domains. The instrument underwent validation by a panel of experts. A pilot test was conducted to the preschool teachers of Dauin who are non-participants of the study to establish reliability, yielding a Cronbach's alpha coefficient of 0.85, indicating high reliability, hence all items are reliable.

Data Collection Procedure

Preparation – The survey questionnaire was developed, validated, and approved by the ethics committee.

Distribution – The questionnaire was distributed in-person to preschool teachers, ensuring voluntary participation and anonymity.

Collection – Responses were collected over a month and compiled for analysis.

Data Analysis

Descriptive Statistics – Frequencies, percentages, means, and standard deviations were used to describe the demographic profile, development status of preschool pupils, level of implementation of DAP, and challenges met in implementing DAP

Inferential Statistics – Spearman rho is used to determine the relationship between the preschool teachers' level of utilization of developmentally appropriate practices and the preschool pupils' development status, profile of the preschool teachers and level of utilization of developmentally appropriate practices and profile of the preschool teachers and challenges met in implementing the developmentally appropriate practices.

All statistical analyses were conducted using SPSS software, with a significance level set at 0.05.

Ethical Considerations

Informed consent was obtained from all participants, ensuring their right to privacy, confidentiality, and voluntary participation. Ethical clearance was secured from the university's research ethics board to ensure compliance with ethical standards throughout the study.

RESULTS AND DISCUSSION

Table 1.1: Respondents' Profile in terms of Educational Attainment

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Educational Attainment Categories	Frequency (f)	Percentage (%)	Rank
Elementary graduate	1	0.90	5
High school level	1	0.90	6
High school graduate	9	8.10	3
College level	25	22.50	2
Baccalaureate degree in another field	65	58.60	1
Baccalaureate degree in ECE	1	0.90	7
MA units in another field	8	7.20	4
MA units in ECE	1	0.90	8
Total	111	100.00	

Table 1.1 showcases the profile of the preschool teachers in terms of educational attainment. Among the categories, the most prominent one is "Baccalaureate degree in another field" with a frequency of 65, constituting 58.60% of the total population. This category holds the highest rank, indicating that it is the most prevalent educational attainment among the preschool teachers surveyed. The remaining categories, including "High school level," "Elementary graduate," "Baccalaureate degree in ECE," "MA units in another field," and "MA units in ECE," each have a frequency of 1, constituting less than 1%. Overall, the table highlights the distribution of educational attainment levels within the population of 111 individuals, emphasizing the prevalence of baccalaureate degrees in fields other than ECE.

This indicates that most of the preschool teachers conform to the educational qualifications for child development workers as specified in Administrative Order No. 29, s. 2004 issued by the Department of Social Welfare and Development. However, this denotes variation in perspectives, practical knowledge and application of developmentally appropriate practices in early childhood education considering that only 2 (1.80%) of the respondents are specialized in early childhood education and majority are not specializing in the field of early childhood. This supports the study of Hogan [30] that teachers with Bachelor's degree in Early Childhood Education are successfully advancing in content knowledge and pedagogy in early childhood setting compared to those who are specializing in fields other than early childhood education. In contrast, Manning et al. [31] stated that by comparing early childhood teachers with a high school diploma to those teachers who possess a college education of two years or more, it was found that teachers with Bachelor's degree regardless of the specific major, were more responsive, encouraging and inspiring communicating with young children.

Table 1.2: Respondents' Profile in terms of Number of Years in Teaching Preschool

Number of Years in Teaching Preschool	Frequency (f)	Percentage (%)	Rank
5 years and below	22	19.8	2
5.1- 10 years	24	21.6	1
10.1-15 years	14	12.6	4
15.1-20 years	12	10.8	5
20.1-25 years	11	9.9	6
25.1-30 years	17	15.3	3
30.1-35 years	9	8.1	7
35.1-40 years	2	1.8	8
Total	111	100.00	

Table 1.2 illustrates the profile of the preschool teachers in terms of number of years in teaching preschool. The most common range of teaching experience is "5.1-10 years," which comprises 24 instances, accounting for 21.6% of the total population. This range secures the highest rank, indicating it as the predominant category in terms of the number of years in teaching. In contrast, the ranges of "10.1-15 years," "15.1-20 years," "20.1-25 years," and "30.1-35 years" demonstrate lower frequencies, comprising 14, 12, 11,

and 9 instances, respectively. The range with the fewest instances is "35.1-40 years," with only 2 occurrences, representing 1.8% of the population. Overall, the table provides insights into the distribution of teaching experience in the preschool domain among the surveyed population of 111 individuals, highlighting the prominence of the 5.1-10 years range as the most prevalent category.

This denotes that most of the respondents (41.40%) have less number of years in teaching preschool and minority (1.80%) have the highest number of years in teaching preschool level. The study of Ratliff [32] suggests that Kindergarten teachers with more than 6 years of teaching experience reported significantly higher levels of ability to implement the informational text standards than teachers with less than five years of kindergarten teaching experience. Conversely, a study of Pranoto et al. [33] disclosed that there is no significant difference between the teachers' teaching experiences and age groups to the quality of their teaching performance. Regardless of how long a teacher has been teaching or what age group they are instructing, they are not decisive factors in determining the quality of a teacher's performance. Although the preschool teachers have varied teaching experiences, they still consistently implement developmentally appropriate practices to hone the developmental domains of the preschool pupils as reflected in the findings of this study in spite of their teaching experience in preschool pupils.

Table 1.3 Respondent's Profile in terms of Number of Seminars/Trainings Attended on Early Childhood Education

Number of Seminars/Trainings Attended	Frequency (f)	Percentage (%)	Rank
5 and below	13	11.7	4
6 - 10	13	11.7	5
11 - 15	15	13.5	2
16 - 20	38	34.2	1
21 - 25	11	9.9	6
26 - 30	15	13.5	3
31 - 35	3	2.7	7
36-40	3	2.7	8
Total	111	100.00	-

Table 1.3 illustrates the number of seminars/trainings attended by preschool teachers in Early Childhood Education (ECE). The most common range, "16-20," was reported by 38 individuals (34.2%), while less frequent ranges, such as "21-25," "31-35," and "36-40," represent 2.7% to 9.9% of the total. This highlights the "16-20" range as the most prevalent category.

The data aligns with Table 1.2, which shows only 39

preschool teachers have over 20 years of experience. This suggests that longer tenure allowed more opportunities to attend seminars, many of which were exclusive to specific roles or coordinators. Insights gained from these seminars were often shared with colleagues during monthly meetings. Attending seminars and trainings plays a crucial role in enhancing teachers' understanding of developmentally appropriate practices and staying updated with trends and research, ultimately improving preschool education. This supports Fitzpatrick's [34] findings that evidence-based professional development fosters stronger connections

between research and practice, resulting in higher-quality education for preschool children.

Table 2. Preschool Teachers' Developmentally Appropriate Practices
(N - 111)

Developmentally Appropriate Practices	Mean	SD	Verbal Rating
1. Creating a caring, equitable community	4.66	0.60	Always
of learners			Practiced
2. Engaging in reciprocal partnerships	4.50	0.72	Always
with families and fostering community			Practiced
connections			
3. Observing, documenting, and assessing	4.51	0.74	Always
children's development and learning			Practiced
4. Teaching to enhance each child's	4.50	0.70	Always
development and learning			Practiced
5. Planning and implementing an	4.33	0.71	Always
engaging curriculum, to achieve			Practiced
meaningful goals			
6. Demonstrating professionalism as an	4.31	0.72	Always
early childhood educator			Practiced
Average	4.47	0.70	Always Practiced

Legends:		
-	Scale	Verbal Description
	1.0-1.80	Never Practiced
	1.81-2.60	Seldom Practiced
	2.61-3.40	Occasionally Practiced
	3.40-4.20	Frequently Practiced
	4.21-5.0	Always Practiced
Legends:		
	Standard Score	
	Standard Score	Interpretation
	69 and below	Interpretation Suggests significant delay in overall development
		Suggests significant delay in overall
	69 and below	Suggests significant delay in overall development
	69 and below 70-79	Suggests significant delay in overall development Suggests slight delay in overall development

Table 2 reflects the preschool teachers' developmentally appropriate practices based on the Developmentally Appropriate Practice by the National Association for the Education of Young Children. It shows that the preschool teachers always practice the said DAPs in all areas. Overall, the average mean rating for all the practices combined is indicating a consistent implementation developmentally appropriate practices and suggesting that the preschool teachers are implementing developmentally appropriate practices 96%-100% of the time. It can be denoted that they have implemented a developmentally appropriate curriculum, content, methods, activities, materials and authentic assessment suggested in the Competency Standards for Child Development Teachers and Child Development Workers [35]. The results run parallel to the study conducted by Tariman [7] that the utilization of the teachers' developmentally appropriate practices and age, individual, and socio-cultural appropriateness of the learners are deemed extremely important. High-quality teaching in the early grades requires deep understanding of developmentally appropriate expectations, meaningful back and forth engagement with teachers, and engagement of families and other stakeholders in the learning process [36].

As noted by the NAEYC [4], the creation of a nurturing environment relies on culturally and linguistically appropriate activities that encourage interaction, play, and problemsolving among children. The emphasis on partnerships is critical, as engaging families and communities strengthens

children's learning experiences and enhances resource alignment, as supported by studies like those of Gilgoff et al. [37] and the American Institutes for Research [38].

Table 3 Development Status of Preschool Pupils based on the Early Childhood Care and Development Checklist (N= 1110)

Domain	De Ov Devel	st Slight lay in verall lopment 1-6	Devel	erage opment	Slig Advar Ove Develo 14	gest ghtly nced in erall opment -16
	f	%	f	%	f	%
1. Gross Motor	0	0.00	97	8.74	1013	91.26
2. Fine Motor	0	0.00	179	16.13	931	83.87
3. Self- Help 4.	29	2.61	613	55.23	468	42.16
Receptive Language 5.	17	1.53	1093	98.47	0	0.00
Expressive Language	11	0.99	1099	99.01	0	0.00
6. Cognitive	0	0.00	795	71.62	315	28.38
7. Social Emotional	0	0.00	100	9.01	1010	90.99

Table 3 represents the summary of development status of preschool pupils based on the 2021-2022 Early Childhood Care and Development checklist. The results reflect that majority of the preschool pupils' development status fall into the average development. As shown on the table above, 97 of them have an average development in gross motor domain while 1013 were slightly advance in overall development in the said domain. In fine motor domain, 179 pupils were categorized under average development while 931 suggest slightly advanced in overall development. On the other hand, 29 pupils have slight delay in self-help domain while 613 of them were average and 468 were labeled as slightly advanced in overall development. It is also shown that 11 preschool pupils were categorized as having a slight delay in overall development in terms of receptive language domain and the rest of them belong to the average development category. In the cognitive domain aspect, majority belong to the average category with a frequency of 795 and while 315 individuals belong to the slightly advanced category. Lastly, 100 pupils were classified as average in terms of their social emotional component while 1010 of them fall into the category of slightly advanced in overall development.

Overall, the summary of data implies that the development status of preschool pupils falls under the average development category based on the ECCD checklist. This implies that the preschool pupils were able to perform the competencies or skills that are aligned with the general expectations for their age group.

It is interpreted that the average progress of the development status of the preschool pupils is identified based on the categories reflected in each of the seven (7) domains. Majority of the developmental domains namely gross motor, fine motor, and social-emotional domain have obtained a slightly advanced development while receptive language, expressive language, self-help and cognitive domains were categorized into regular development of the preschool pupils. This can be viewed that there is interrelatedness among the different domains and overall, to the implementation of developmentally appropriate practices of preschool teachers. This runs parallel to the premise that consistent application of pedagogical practices on gross motor, fine motor, receptive, expressive, and cognitive skills influence significantly the pupils' performance along the domains of development [39]. Moreover, this is in relation to the theory of Urie Bronfenbrenner that the microsystem which refers to the immediate environment, in which the child has a direct greatly influences the child's development. In this study, the preschool teaches were part of the microsystem of the preschool pupils, hence, four (4) out of seven (7) developmental domains fall under the slightly advanced development. This can be interpreted that the consistent implementation of developmentally appropriate practices of the preschool teachers greatly contributed to the favorable outcomes for the development of the pupils. In contrast, three (3) out of the seven (7) developmental domains =\were categorized as average development. It is of note that if the mesosystem, the connections and interactions between two microsystems, is negative, it can still have a detrimental impact on child's development (Ettekal& Mahoney, 2017). If preschool pupils experience positive and nurturing interactions with their teachers but encounter conflict or lack of communication between their family and school, it can lead to adverse effects on the child's overall well-being and growth. The negative aspects of the mesosystem can undermine the positive influences of the microsystem, affecting the child's emotional, social, and cognitive development [40]. Moreover, the macrosystem, which encompasses factors that a child does not directly interact with, plays a significant role in their development. Within this macrosystem, the ECCD council governs the structure, content, and delivery of education. As part of their assessment process, they require the use of ECCD checklist, a standardized tool for assessing the development of preschool pupils. The checklist organizes competencies into different domains and assigns a standard score along with an interpretation. However, it has been observed that even when children demonstrate all the required competencies, their maximum score remains only average. This limitation of the ECCD tool can have an impact on the overall development of the child.

Furthermore, in relation to Arnold Gesell's Maturational theory, it emphasizes that a child's development is primarily shaped by internal factors [41]. According to this theory, children must reach a certain level of biological readiness to acquire new skills and behaviors. The developmental stages are biologically determined rather than being influenced by their experiences or learning opportunities and as a result, children cannot be hurried or forced to progress through these stages at a predetermined pace

Table 4. Challenges Met by the Preschool Teachers in Implementing the Developmentally Appropriate Practices

(N = 111)Verbal Challenges Mean SD Rating 1. There is limited training and workshops 2.77 1.17 Neutral developmentally appropriate practices. 2. I do not have enough field experience to 0.99 implement 2.32 Disagree developmentally appropriate practices. 3. I do not have enough knowledge and understanding 2.26 0.90 Disagree how to implement developmentally appropriate practices. 4. There is lack of resources and instructional materials that provide pupils with the 3.91 1.14 Agree opportunity to participate in developmentally appropriate curriculum. 5. I do not understand the benefits of implementing 2.19 0.89 Disagree developmentally appropriate practices to the pupils. 6. I feel pressured from school staff and policy makers 0.97 to perform well 2.25 Disagree on state-mandated

Challenges	Mean	SD	Verbal Rating
7. I feel that there is lack of autonomy in use of the curriculum.	2.38	0.92	Disagree
8. I felt hindered by the required academic standards.	2.41	1.01	Disagree
9. Large-class size affects the implementation of developmentally appropriate practices	3.90	0.77	Agree
10. There is a resistance from parents who disagree with	3.06	0.92	Neutral

assessment

accreditation.

Table 4 presents challenges met by the preschool teachers in implementing developmentally appropriate practices. The challenges identified in the table include limited training and workshops on developmentally appropriate practices, insufficient field experience, lack of knowledge and understanding, scarcity of resources and instructional materials, limited understanding of benefits, perceived pressure from school staff and policymakers, limited autonomy in using the curriculum, feeling hindered by required academic standards, large class sizes, and resistance from parents who disagree with play-based learning.

The average mean rating for all the challenges combined is 2.75, indicating a neutral stance on the challenges faced in implementing developmentally appropriate practices. This indicates that the preschool teacher sees the statements as neither positive nor negative and therefore cannot decide whether they are challenges or not. The standard deviation of 0.97 suggests a moderate degree of variability in the ratings across the challenges. Some challenges were disagreed with by the respondents, including insufficient field experience, lack of knowledge and understanding, feeling pressured by school staff and policy makers, limited autonomy in using the curriculum, and feeling hindered by required academic standards. These disagreements indicate that the respondents feel they have adequate experience, knowledge, autonomy, and do not perceive significant hindrance from external pressures or academic standards.

Challenges such as insufficient field experience, lack of knowledge, external pressures, and limited autonomy were generally disagreed upon, suggesting that preschool teachers feel adequately prepared in these areas. However, lack of resources and large class sizes were agreed upon as significant barriers, as they hinder effective classroom management and implementation of DAP, echoing findings by Gollopeni et al. [42]. Limited time and materials preparation also impact the execution of culturally and ageappropriate activities, as noted by Raguindin [25] and Saracho [43].

Table 5.1 Relationship between the Preschool Teachers' Level of Utilization of Developmentally Appropriate Practices and the Preschool Pupils' Development Status

A. Preschool Teachers' Level of Utilization of DAP and the Preschool Pupils' Development Status	Degree of Relationship (Spearman Rho)	Interpretation
Creating a caring, equitable community of learners and gross motor domain	0.73	Strong Correlation
2. Creating a caring, equitable community of learners and fine motor domain	0.72	Strong Correlation
3. Creating a caring, equitable community of learners and Self-help Domain	0.71	Strong Correlation
4. Creating a caring, equitable community of learners and Receptive Language domain	0.71	Strong Correlation

5. Creating a caring, equitable community of learners and Expressive	0.72	Strong	development and learning and Receptive language domain		Correlation
Language Domain	0.72	Correlation	26. Teaching to enhance each child's		C+
Creating a caring, equitable		Strong	development and learning and Cognitive	0.73	Strong Correlation
community of learners and Cognitive Domain	0.71	Correlation	domain 27. Teaching to enhance each child's		
7. Creating a caring, equitable		C4	development and learning and Expressive	0.77	Strong
community of learners and Social-	0.74	Strong Correlation	language domain		Correlation
Emotional Domain 8. Engaging in reciprocal partnerships		Correlation	28. Teaching to enhance each child's development and learning and Social-	0.68	Strong
with families and fostering community	0.69	Strong	emotional domain	0.08	Correlation
connections and Gross motor domain		Correlation	29. Planning and implementing an		
9. Engaging in reciprocal partnerships	0.72	Strong	engaging curriculum to achieve	0.74	Strong
with families and fostering community connections and Fine motor domain	0.72	Correlation	meaningful goals and Gross motor domain		+Correlation
10. Engaging in reciprocal partnerships		C4	30. Planning and implementing an		C+
with families and fostering community	0.76	Strong Correlation	engaging curriculum to achieve	0.69	Strong Correlation
connections and Self-help domain 11. Engaging in reciprocal partnerships		Correlation	meaningful goals and Fine motor domain 31. Planning and implementing an		Corremnon
with families and fostering community		Strong	engaging curriculum to achieve	0.68	Strong
connections and Receptive language	0.67	Correlation	meaningful goals and Self-help domain	0.00	Correlation
domain			32. Planning and implementing an		~
12. Engaging in reciprocal partnerships with families and fostering community		Strong	engaging curriculum to achieve meaningful goals and Receptive language	0.78	Strong Correlation
connections and Expressive language	0.78	Correlation	domain		Correlation
domain			Strength of Association	Coefficient, ρ	_
13. Engaging in reciprocal partnerships	0.60	Strong	Very Weak	$\pm 0.00 \text{ to } \pm 0.19$	
with families and fostering community connections and Cognitive domain	0.69	Correlation	Weak Moderate	$\pm 0.20 \text{ to } \pm 0.39$ $\pm 0.40 \text{ to } \pm 0.59$	
14. Engaging in reciprocal partnerships		C4	Strong	± 0.60 to ± 0.79	
with families and fostering community	0.73	Strong Correlation	Very Strong	$\pm 0.80 \text{ to } \pm 1.00$)
connections and Social-emotional domain		Correlation	A. Preschool Teachers' Level of	Degree of	
C4	C ff :-:		Utilization of DAP and the Preschool	Relationship (Spearman	Interpretation
Strength of Association Very Weak	Coefficient, ρ ± 0.00 to ± 0.1		Pupils' Development Status	Rho)	
Weak	$\pm 0.20 \text{ to } \pm 0.3$		33. Planning and implementing an	,	
Moderate	$\pm 0.40 \text{ to } \pm 0.5$		engaging curriculum to achieve	0.75	Strong
Strong Very Strong	$\pm 0.60 \text{ to } \pm 0.7$		meaningful goals and Expressive		Correlation
Very Strong	\pm 0.80 to \pm 1.0		language domain 34. Planning and implementing an		
A. Preschool Teachers' Level of		0	language domain 34. Planning and implementing an engaging curriculum to achieve	0.70	Strong
A. Preschool Teachers' Level of Utilization of DAP and the Preschool	± 0.80 to ± 1.0 Degree of Relationship (Spearman		language domain 34. Planning and implementing an engaging curriculum to achieve meaningful goals and Cognitive domain	0.70	
A. Preschool Teachers' Level of Utilization of DAP and the Preschool Pupils' Development Status	± 0.80 to ± 1.0 Degree of Relationship	0	language domain 34. Planning and implementing an engaging curriculum to achieve meaningful goals and Cognitive domain 35. Planning and implementing an		Strong
A. Preschool Teachers' Level of Utilization of DAP and the Preschool	± 0.80 to ± 1.0 Degree of Relationship (Spearman	Interpretation Strong	language domain 34. Planning and implementing an engaging curriculum to achieve meaningful goals and Cognitive domain 35. Planning and implementing an engaging curriculum to achieve meaningful goals and Social-emotional	0.70	Strong Correlation
A. Preschool Teachers' Level of Utilization of DAP and the Preschool Pupils' Development Status 15. Observing, documenting, and assessing children's development and learning and Gross motor domain	$\begin{array}{c} \pm~0.80~\text{to}\pm1.0\\ \textbf{Degree of}\\ \textbf{Relationship}\\ \textbf{(Spearman}\\ \textbf{Rho)} \end{array}$	Interpretation	language domain 34. Planning and implementing an engaging curriculum to achieve meaningful goals and Cognitive domain 35. Planning and implementing an engaging curriculum to achieve meaningful goals and Social-emotional domain		Strong Correlation Strong
A. Preschool Teachers' Level of Utilization of DAP and the Preschool Pupils' Development Status 15. Observing, documenting, and assessing children's development and learning and Gross motor domain 16. Observing, documenting, and	± 0.80 to ± 1.0 Degree of Relationship (Spearman Rho)	Interpretation Strong	language domain 34. Planning and implementing an engaging curriculum to achieve meaningful goals and Cognitive domain 35. Planning and implementing an engaging curriculum to achieve meaningful goals and Social-emotional domain 36. Demonstrating professionalism as an	0.72	Strong Correlation Strong Correlation Strong
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Very Strong A. Preschool Teachers' Level of Utilization of DAP and the Preschool Pupils' Development Status 15. Observing, documenting, and assessing children's development and learning and Gross motor domain 16. Observing, documenting, and assessing children's development and learning and Fine motor domain 17. Observing, documenting, and assessing children's development and	± 0.80 to ± 1.0 Degree of Relationship (Spearman Rho)	Strong Correlation Strong Correlation Strong Correlation Strong	language domain 34. Planning and implementing an engaging curriculum to achieve meaningful goals and Cognitive domain 35. Planning and implementing an engaging curriculum to achieve meaningful goals and Social-emotional domain 36. Demonstrating professionalism as an early childhood educator and Gross motor domain 37. Demonstrating professionalism as an early childhood educator and Fine motor	0.72	Strong Correlation Strong Correlation Strong
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Very Strong A. Preschool Teachers' Level of Utilization of DAP and the Preschool Pupils' Development Status 15. Observing, documenting, and assessing children's development and learning and Gross motor domain 16. Observing, documenting, and assessing children's development and learning and Fine motor domain 17. Observing, documenting, and assessing children's development and	± 0.80 to ± 1.0 Degree of Relationship (Spearman Rho) 0.72	Strong Correlation Strong Correlation Strong Correlation Strong Correlation Strong	language domain 34. Planning and implementing an engaging curriculum to achieve meaningful goals and Cognitive domain 35. Planning and implementing an engaging curriculum to achieve meaningful goals and Social-emotional domain 36. Demonstrating professionalism as an early childhood educator and Gross motor domain 37. Demonstrating professionalism as an early childhood educator and Fine motor domain	0.72 0.73	Strong Correlation Strong Correlation Strong Correlation Strong Correlation Strong
A. Preschool Teachers' Level of Utilization of DAP and the Preschool Pupils' Development Status 15. Observing, documenting, and assessing children's development and learning and Gross motor domain 16. Observing, documenting, and assessing children's development and learning and Fine motor domain 17. Observing, documenting, and assessing children's development and learning and the Self-help domain 18. Observing, documenting, and assessing children's development and learning and the Self-help domain	± 0.80 to ± 1.0 Degree of Relationship (Spearman Rho) 0.72 0.68	Strong Correlation Strong Correlation Strong Correlation Strong Correlation	language domain 34. Planning and implementing an engaging curriculum to achieve meaningful goals and Cognitive domain 35. Planning and implementing an engaging curriculum to achieve meaningful goals and Social-emotional domain 36. Demonstrating professionalism as an early childhood educator and Gross motor domain 37. Demonstrating professionalism as an early childhood educator and Fine motor domain 38. Demonstrating professionalism as an early childhood educator and Self-help domain	0.72 0.73 0.73	Strong Correlation Strong Correlation Strong Correlation Strong Correlation
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A. Preschool Teachers' Level of Utilization of DAP and the Preschool Pupils' Development Status 15. Observing, documenting, and assessing children's development and learning and Gross motor domain 16. Observing, documenting, and assessing children's development and learning and Fine motor domain 17. Observing, documenting, and assessing children's development and learning and the Self-help domain 18. Observing, documenting, and assessing children's development and learning and Receptive language domain 19. Observing, documenting, and assessing children's development and learning and Expressive language domain 20. Observing, documenting, and assessing children's development and learning and Cognitive domain 21. Observing, documenting, and assessing children's development and learning and Social-emotional domain 22. Teaching to enhance each child's development and learning and Gross motor domain 23. Teaching to enhance each child's development and learning and Fine motor domain	± 0.80 to ± 1.0 Degree of Relationship (Spearman Rho) 0.72 0.68 0.73 0.78 0.71 0.75 0.77	Strong Correlation	language domain 34. Planning and implementing an engaging curriculum to achieve meaningful goals and Cognitive domain 35. Planning and implementing an engaging curriculum to achieve meaningful goals and Social-emotional domain 36. Demonstrating professionalism as an early childhood educator and Gross motor domain 37. Demonstrating professionalism as an early childhood educator and Fine motor domain 38. Demonstrating professionalism as an early childhood educator and Self-help domain 39. Demonstrating professionalism as an early childhood educator and Receptive language domain 40. Demonstrating professionalism as an early childhood educator and Expressive language domain 41. Demonstrating professionalism as an early childhood educator and Cognitive domain 42. Demonstrating professionalism as an early childhood educator and Social-emotional domain OVERALL Table 5.1 shows the relationshit teachers' level of utilization of definitions and the statement of the statement o	0.72 0.73 0.73 0.71 0.74 0.71 0.73 0.77 0.73 p between the evelopmentally	Strong Correlation Strong Correlation
A. Preschool Teachers' Level of Utilization of DAP and the Preschool Pupils' Development Status 15. Observing, documenting, and assessing children's development and learning and Gross motor domain 16. Observing, documenting, and assessing children's development and learning and Fine motor domain 17. Observing, documenting, and assessing children's development and learning and the Self-help domain 18. Observing, documenting, and assessing children's development and learning and Receptive language domain 19. Observing, documenting, and assessing children's development and learning and Expressive language domain 20. Observing, documenting, and assessing children's development and learning and Cognitive domain 21. Observing, documenting, and assessing children's development and learning and Social-emotional domain 22. Teaching to enhance each child's development and learning and Gross motor domain 23. Teaching to enhance each child's development and learning and Fine motor domain 24. Teaching to enhance each child's development and learning and Self-help	± 0.80 to ± 1.0 Degree of Relationship (Spearman Rho) 0.72 0.68 0.73 0.78 0.71 0.75 0.77 0.73 0.74	Strong Correlation Strong Correlation	language domain 34. Planning and implementing an engaging curriculum to achieve meaningful goals and Cognitive domain 35. Planning and implementing an engaging curriculum to achieve meaningful goals and Social-emotional domain 36. Demonstrating professionalism as an early childhood educator and Gross motor domain 37. Demonstrating professionalism as an early childhood educator and Fine motor domain 38. Demonstrating professionalism as an early childhood educator and Self-help domain 39. Demonstrating professionalism as an early childhood educator and Receptive language domain 40. Demonstrating professionalism as an early childhood educator and Expressive language domain 41. Demonstrating professionalism as an early childhood educator and Cognitive domain 42. Demonstrating professionalism as an early childhood educator and Social-emotional domain OVERALL Table 5.1 shows the relationshi	0.72 0.73 0.73 0.71 0.74 0.71 0.73 0.77 0.73 p between the evelopmentally	Strong Correlation Strong Correlation

shown in the table, the correlations were all strong. Developmentally appropriate practices in creating a caring, equitable community of learners shows a significant strong correlation with the seven domains that entail the development status of preschool pupils namely gross motor, fine motor, self-help, receptive language, expressive language, cognitive and social emotional domain. Since these correlations were significant, it can be generalized from the sample to the population. The second component of developmentally appropriate practices that states "engaging in reciprocal partnerships with families and fostering community connections" shows a strong correlation to some developmental domains such as gross motor, fine motor, selfhelp, expressive language, cognitive and social emotional domain. On the other hand, engaging in reciprocal partnerships with families and fostering community connections shows a strong correlation. This is in contrast with the study of Hansen and Broekhuizen [44] that quality of staff interactions and conversation support had a significant influence on young children's language skills.

Observing, documenting, and assessing children's development and learning which is the third component of developmentally appropriate practices displays a strong correlation to all the domains which are gross motor, fine motor, self-help, receptive language, expressive language, cognitive and social emotional domain. The fourth component of developmentally appropriate practices is teaching to enhance each child's development and learning. This component shows a strong correlation to some developmental domains such as gross motor, fine motor, selfhelp, expressive language, cognitive and social emotional domain. Similar with the second component of developmentally appropriate practices, teaching to enhance each child's development and learning shows a strong correlation with the receptive language domain. In addition, high quality of teacher-child interaction has been documented as a positive factor that impacts children's receptive vocabulary acquisition [45]. Close teacher-child relationships and frequent peer interactions were essential for children to develop receptive language skills in their early years [46]. The fifth component of developmentally appropriate practices is planning and implementing an engaging curriculum to achieve meaningful goals. Sticker et al., [47] state that early childhood curriculum interventions directing self-help skills resulted in sustained improvements in these skills throughout the elementary school years. Lastly, demonstrating professionalism as an early childhood educator is the sixth component. This component exhibits a strong correlation to all the developmental domains specifically gross motor, fine motor, self-help, receptive language, expressive language, cognitive and social emotional domain.

In general, the result is sufficient to reject the null hypothesis which states that there is no relationship between the preschool teachers' level of utilization of developmentally appropriate practices and the preschool pupils' development status. Hence, the hypothesis is rejected. These two variables are dependent on each other.

The above results can be correlated to the assertions made by Lettington [8] that developmentally appropriate practices do have a positive impact on a young child's

development, as well as self-competence. Children in developmentally appropriate classrooms show improvements in motivation and emotional development. In addition, developmentally appropriate practices have a positive effect on children's ability to initiate and maintain interpersonal relations [48]. Teachers who successfully use DAP have an understanding of age-related development, which makes it easier to make general predictions about children's learning and development [15].

Table 5.2 Relationship between the Profile of the Preschool Teachers and Level of Utilization of Developmentally Appropriate Practices

Developmenta	ally Appro		ices
B. Profile of the Teachers and Level of U DAP			Interpretatio n
1. Highest Educational Att Creating a caring, equitable c learners			Strong Correlation
Strength of Association	Coeffici		
Very Weak	± 0.00 to		
Weak	± 0.20 to		
Moderate	± 0.40 to		
Strong	± 0.60 to		
Very Strong	± 0.80 to	±	
B. Profile of the Teachers and Level of Ut DAP	Preschool tilization of	Degree of Relationsh ip (Spearma n Rho)	Interpretati on
attended on Early Childhood and Teaching to enhance of development and learning	each child's	0.73	Strong Correlation
17. Number of seminar a attended on Early Childhood and Planning and impleengaging curriculum to meaningful goals	d Education menting an	0.60	Strong Correlation
18. Number of seminar a attended on Early Childhoo and Demonstrating profession early childhood educator	d Education	0.71	Strong Correlation
	OVERALL	0.75	Strong Correlation
Strength of Association	Coefficient, ρ		
Very Weak	± 0.00 to ± 0.19		
Weak	± 0.20 to ± 0.39		
Moderate	± 0.40 to ± 0.59		
Strong Very Strong	± 0.60 to ± 0.79 ± 0.80 to ± 1.00		
B. Profile of the Preschool and Level of Utilization of D		Degree of Relationship (Spearman Rho)	Interpretatio n

B. Profile of the Preschool Teachers and Level of Utilization of DAP	Degree of Relationship (Spearman Rho)	Interpretatio n
2. Highest Educational Attainment and Engaging in reciprocal partnerships with families and fostering community connections	0.66	Strong Correlation
3. Highest Educational Attainment and Observing, documenting, and assessing children's development and learning	0.70	Strong Correlation
4. Highest Educational Attainment and Teaching to enhance each child's development and learning	0.71	Strong Correlation
5. Highest Educational Attainment and Planning and implementing an engaging curriculum to achieve meaningful goals	0.68	Strong Correlation

6. Highest Educational Attainment and Demonstrating professionalism as an early childhood educator	0.71	Strong Correlation
OVERALL	0.72	Strong Correlation
7. Number of years in teaching preschool and Creating a caring, equitable community of learners	0.70	Strong Correlation
8. Number of years in teaching preschool and engaging in reciprocal partnerships with families and fostering community connections	0.70	Strong Correlation
 Number of years in teaching preschool and Observing, documenting, and assessing children's development and learning 	0.72	Strong Correlation
10. Number of years in teaching preschool and Teaching to enhance each child's development and learning	0.76	Strong Correlation
11. Number of years in teaching preschool and Planning and implementing an engaging curriculum to achieve meaningful goals	0.78	Strong Correlation
12. Number of years in teaching preschool and Demonstrating professionalism as an early childhood educator	0.77	Strong Correlation
OVERALL	0.73	Strong Correlation
13. Number of seminar and training attended on Early Childhood Education and Creating a caring, equitable community of learners	0.78	Strong Correlation
14. Number of seminar and training attended on Early Childhood Education and Engaging in reciprocal partnerships with families and fostering community connections	0.72	Strong Correlation
15. Number of seminar and training attended on Early Childhood Education and Observing, documenting, and assessing children's development and learning	0.73	Strong Correlation

Table 5.2 shows the relationship between the profile of the preschool teachers and level of utilization of developmentally appropriate practices. In terms of the highest educational attainment, it shows a strong correlation with $\rho = 0.72$ with creating a caring, equitable community of learners, engaging in reciprocal partnerships with families and fostering community connections, assessing children's development and learning, teaching to enhance each child's development and learning, planning and implementing an engaging curriculum to achieve meaningful goals and demonstrating professionalism as an early childhood educator. In addition, their number of years in teaching preschool also shows a strong correlation with a $\rho = 0.73$ with their level of utilization of developmentally appropriate practices. The preschool teachers' attendance to seminars and trainings on early childhood education illustrate a strong correlation with a value of $\rho = 0.75$ with the developmentally appropriate practices in creating a caring, equitable community of learners, engaging in reciprocal partnerships with families and fostering community connections, assessing children's development and learning, teaching to enhance each child's development and learning, planning and implementing an engaging curriculum to achieve meaningful goals and demonstrating professionalism as an early childhood educator.

Overall, it shows a strong correlation between the variables correlated. The evidence is sufficient to reject the null hypothesis stating that there is no relationship between the profile of the preschool teachers and level of utilization of developmentally appropriate practices. Hence, the stated null hypothesis is rejected with the above test result regarding the relationship of the variables mentioned.

The result of this study is also made true in the research conducted by Manning et al. [31] wherein it was revealed that higher teacher qualifications are related to improvements in supporting children's development, including supporting language-reasoning experience supervision and scheduling of activities, organization and arrangement of the room, providing varied social experiences for children and creating a warm and friendly environment for interactions. Diverse experiences in different settings and length of teacher's education and experience have a positive effect on beliefs about developmentally appropriate practices. One of the most significant aspects of being a professional educator is a teacher's education. This has a significant impact on teachers' views and teaching methods. It is important that preprimary school teachers' education be anchored in early childhood expertise because this promotes a better understanding of developmentally appropriate activities, which facilitates children's development [49].

Table 5.3 Profile of the Preschool Teachers and Challenges Met in Implementing the Developmentally Appropriate Practices

C. Profile of the Preschool Teachers and Challenges Met in Implementing the Developmentally Appropriate Practices	Degree of Relationship (Spearman Rho)	Interpretation
Highest Educational Attainment andChallenges Met in Implementing the Developmentally Appropriate Practices	0.67	Strong Correlation
2. Number of years in teaching preschool and Challenges Met in Implementing the Developmentally Appropriate Practices	0.62	Strong Correlation
3. Number of seminars and trainings attended on Early Childhood Education and Challenges Met in Implementing the Developmentally Appropriate Practices	0.71	Strong Correlation
OVERALL	0.67	Strong

OVERALL	0.07	Correlation
Strength of Association	Coefficient, p	
Very Weak	$\pm 0.00 \text{ to } \pm 0.19$	
Weak	± 0.20 to ± 0.39	
Moderate	± 0.40 to ± 0.59	
Strong	± 0.60 to ± 0.79	
Very Strong	± 0.80 to ± 1.00	

Table 5.3 shows the relationship between the profile of the preschool teachers and challenges met in implementing the developmentally appropriate practices. The data above shows that there is a strong correlation with a value of $\rho = 0.67$ between the profile of the preschool teachers in terms of highest educational attainment, number of years in teaching preschool and number of seminars and trainings attended on early childhood education and the challenges they encountered in implementing the developmentally appropriate practices. It is sufficient enough to reject the null hypothesis stating that there is no relationship between the profile of the preschool teachers and challenges met in implementing the developmentally appropriate practices.

According to the study conducted by Ntumi [50] in-service trainings that school administrators organized are not enough to keep pre-school teachers abreast with the current trend of the early childhood curriculum. The in-service training that teachers participated might not be supportive for them in finding answers for their questions on curriculum implementation. Teaching experience of preschool teachers can also be problematic in implementing the early childhood education practically [50]. Research findings show that teachers with higher levels of education are more likely to implement appropriate practices in the delivery of Early Childhood and Care Education services than teachers with lower levels of education [51]. Since Early Childhood Care and Development Education in the Philippines lack systematic monitoring and supervision, teachers are not regularly subjected to performance evaluation, monitoring and mentoring, and professional development interventions [19].

CONCLUSIONS

The findings indicate that a significant number of preschool teachers possess baccalaureate degrees in fields unrelated to Early Childhood Education (ECE), while some have only completed secondary or elementary education. Additionally, while many have extensive teaching experience ranging from 5 to over 30 years, only a few have attended professional development seminars specific to ECE. Research underscores the importance of training educators in developmentally appropriate practices (DAP), as it leads to higher-quality teaching and better developmental outcomes for children [52].

Preschool teachers consistently implement DAP, which emphasizes practices that promote holistic child development by building on individual strengths and countering biases. According to the National Association for the Education of Young Children (NAEYC), DAP fosters cognitive, social, and emotional growth when applied effectively [4]. Despite these efforts, most preschool pupils exhibit "Average Development," demonstrating competencies appropriate to their level. However, some children show "Slight delay in overall development," particularly in self-help, receptive language, and expressive language domains. These findings align with evidence that high-quality ECE programs significantly benefit children's cognitive and social-emotional development, especially during critical early years [53].

Challenges in implementing DAP include limited resources, insufficient instructional materials, and large class sizes, which hinder effective teaching. Although preschool teachers remain neutral about whether these challenges are major obstacles, they acknowledge their impact on classroom practices. Research highlights the importance of well-resourced early childhood programs in enhancing children's physical, cognitive, and emotional well-being. There is a strong positive correlation between the extent to which DAP is implemented and improvements in preschool pupils' developmental domains. Studies have found that educators trained in DAP consistently achieve better developmental

outcomes in their classrooms [52]. Moreover, the educational attainment, years of teaching experience, and professional development engagement of preschool teachers significantly influence their ability to implement DAP effectively. As workers pursue advanced studies, gain more experience, and participate in seminars, they are better equipped to meet developmental goals but may also encounter more complex challenges [4].

While preschool teachers exhibit adequate competencies in implementing DAP, other factors—such as environmental influences or individual child circumstances—may contribute to the slight developmental delays observed in some pupils. Addressing these factors, along with improving the availability of resources and reducing class sizes, will enhance the effectiveness of DAP implementation and overall child development outcomes.

RECOMMENDATIONS

Based on the findings, the following recommendations are proposed to enhance the level of implementation of developmentally appropriate practices by the preschool teachers leading to the improvement of the preschool pupils' developmental progress:

Conduct hands-on workshops and skill-enhancing seminars focused on Developmentally Appropriate Practices (DAP):

City and Municipal Social Welfare and Development Officers should organize workshops that provide practical strategies for enhancing self-help, receptive language, and expressive language domains in young learners. Studies suggest that targeted professional development improves educators' abilities to implement evidence-based practices effectively [54]. Interactive and experiential learning approaches, such as coaching and feedback sessions, have been proven effective in enhancing the skills of early childhood educators

Review and update the ECCD checklist to align with current developmental research:

The ECCD Council should evaluate the checklist components, particularly those related to receptive and expressive language domains, to ensure they reflect updated interpretations of developmental benchmarks. Studies have identified the need for culturally and contextually relevant tools to assess young children's development accurately [55]. Collaborative consultations with experts in child development and early childhood education are essential to enhance the tool's reliability and validity.

Conduct in-depth qualitative research on Developmentally Appropriate Practices (DAP):

Future studies should explore the experiences and perspectives of preschool teachers regarding DAP implementation. Qualitative methods, such as interviews and focus groups, can provide a deeper understanding of the challenges they face and the strategies they employ. According to Basit and Santoro [56], qualitative research captures nuanced insights that quantitative approaches may overlook, offering valuable recommendations for policy and practice improvements.

Support preschool teachers in completing their baccalaureate degrees:

In collaboration with Negros Oriental State University (NOrSU) College of Teacher Education, Graduate School, and DepEd, an extension program should be developed to assist preschool teachers without degrees in completing their education. Advancing the educational qualifications of early childhood educators improves teaching quality and supports professional growth [2]. LGUs in Dumaguete, Valencia, Sibulan, and Bacong are encouraged to fund this initiative to promote equity and excellence in ECE services.

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