

IMPROVED ABILITY TO ASSESS TODDLER GROWTH AND DEVELOPMENT BY HOUSEWIVES

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Abstract. The background of this study is that the golden age of toddler growth and development requires proper parental stimulation/Assessment to increase potential. Parents' ability to assess toddler growth and development assessment is crucial from the beginning of life. This study aims to determine the assessment model of growth and development in toddlerhood. The methods used in preparing this article are: by literature review, where the author analyzes and synthesizes the research results on the Assessment Instrument for toddler growth and development. The process of searching for article data is carried out extensively through a database of internationally validated research journals in the form of PubMed, SCOPUS, Science Direct, BMJ Global Health, SJR (Scimago Journal & Country Rank), and Google Scholar. Identification of relevant articles is carried out by determining key parameters, as follows *Eligibility* and Exclusion criteria.

Keywords: Model, Growth, Development, Toddler

INTRODUCTION

Screening toddler growth and development requires valid instruments which are easy to use by the general public, effective, and legible. (Rahmawati & Novianto, 2020). Early age is a golden period of development. At that time, there was a tremendous surge in child development that did not occur in the next period. Experts call it the golden age of development (golden age) (Murdiningsih & Komariah, 2019). Other factors Toddler hoodies are the golden age of a child. At this time, the child's body and brain become the basic foundation. Instruments that are easy to use by the general public, effective, and legible. (Rahmawati & Novianto, 2020). The early age is the golden period of development. At that time, there was a tremendous surge in child development that did not occur in the next period. Experts call it the golden age (Murdiningsih & Komariah, 2019). Another factor in toddlers that determines the future is at the time of the first 1000 days of life. At this time, the child's body and brain become the basic foundation as a determinant of child growth and development, which is influenced by the economic status of the family community. The problem of baby growth and development cannot be separated from the fulfillment of nutrition as a determinant of children's growth and development, which is influenced by the economic status of the family community. Infants' growth and development problems are inseparable from the fulfillment of nutrition. (Pangaribuan et al., 2020)

Toddler growth and development refers to the physical, cognitive, social, and emotional changes that occur in children between ages before age 5. (Zimmerman et al., 2022). During this stage, toddlers experience important milestones and acquire new skills that lay the foundation for their future development. Here are some critical aspects critical toddler growth and development: Physical Development: Toddlers show rapid growth in height and weight during the period before age 5, developing gross motor skills such as walking, running, climbing, and jumping by following the environment. Fine motor skills also improved, allowing them to pick up small objects, use tools, and doodle with crayons. (Zimmerman et al., 2022).

Cognitive Development: Toddlers develop their thinking and problem-solving skills. They begin to understand cause and effect, imitate others, and engage in play; pretend language skills develop rapidly, and they begin to form simple sentences and understand basic instructions. Social Development: Toddlers become more interactive and enjoy playing and engaging with others. They learn to share, take turns, and show empathy. They may also develop attachments with known people and prefer specific individuals.

Emotional Development: Toddlers experience various emotions and learn to express themselves

verbally and non-verbally. They may exhibit separation anxiety and become more independent as they gain a sense of autonomy. Emotional regulation and self-control gradually develop during this stage.

Sensorimotor Development: Toddlers improve their sensory and motor skills. They explore their environment using their senses and learn to coordinate. (Laborie et al., 2022). Based on Nurillah, Amalia's research on the use of the *Mobile Toddler Sehat* application states that it can increase the knowledge of toddler mothers' spontaneity but has not been able to change the behavior of toddler mothers. (Amaliah, 2018). Academics also released WHO Anthro 2005 computer software that can detect all nutritional problems. Still, its use must be supported by electronic media connected to the internet network, so its use is relatively difficult to access by the community. (Werdani et al., 2021). Assessment of Toddler Growth and Development by Using KPSP can identify the relationship between the nutritional status of toddlers. (Komang Sri Julyantari et al., 2021). Other applications include Child Growth, Baby Growth, My Baby Today, Baby Growth Tracker, Baby Growth Chart, Newborn Baby Log, and Child Development Questions and Answers. (Amaliah, 2018). A study by Leroy and Frongillo showed that linear growth retardation is associated with delayed development in adulthood and chronic diseases (3). Meanwhile, stunted children have a higher risk of delays in language development. (Ernawati et al., 2020).

METHODS

This research method is where the author searches databases from scopus.com and Google Scholar to find a database that matches the author's theme using grouping items or points through Literature Review. The search is carried out with the stage of collecting and taking the essence of research that focuses on the scope of the problem of Toddlers with the keywords Assessment, Growth, Development, and Toddlers.

This research design is with *literature review*, a research methodology that aims to collect and take the essence of previous research and analyze several *overviews* of experts written in the text. Internationally validated research journal database in PubMed, SCOPUS, Science Direct, BMJ Global Health, SJR (Scimago Journal & Country Rank), and Google Scholar. Identification of relevant articles was carried out by determining key parameters. As many as 36 articles with Keywords used in grouping research journals are *Assessment of Growth and Development of Toddlers*. Journal searches use punctuation marks "AND" for "Growth," "Development," "Assessment," and "Toddlers." (Schouwstra et al., 2022).

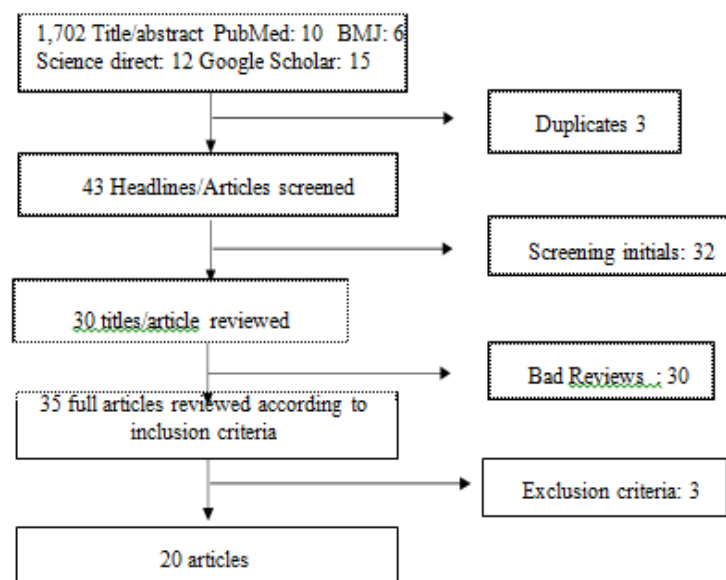


Figure 1. Chart of Research Article Selection Process

RESULTS AND DISCUSSION

Previous research said that factors associated with developmental delays are child age, stunting,

history of prematurity, low birth weight, and serotinus associated with decreased fetal metabolic function can experience developmental delays; this was only statistically significant for children aged 30 to 32 months compared to children in the youngest age group (24-26 months) (OR 0.55, 95% CI 0.31-0.99). (Ahishakiye et al., 2019). The statement (Yang et al., 2023) that areas with nutritional problems in toddlers are more focused on taking better screening instruments for growth and development because existing Denver screening tests have not been updated for years; Although still widely used in developing countries, in this study binary logistic regression is used to investigate influences relevant factors on the development of the child's mental status (developmental delay and normal development). (Yang et al., 2023)

Development goes hand in hand with growth. Development is the entire system and function of the body that interacts with biological and non-biological factors, which are highly dependent on parental stimulation and ability. (Murdiningsih & Komariah, 2019), So it is crucial to assess the with and development of toddlers to pay attention to the mother's ability to determine the growth and development of toddlers over time. (Putnick et al., 2022). In another study, it was said that maternal knowledge factors were dominant in toddler development but did not significantly affect change, following (Atukunda et al., 2021). In the parental trial, the 6-month education intervention greatly improved development outcomes when the children reached 20-24 months without affecting growth. Some of the things that affect the Assessment of toddler growth and development are: In parent trials, during the first six months providing an understanding of growth and development assessments get significant results with increased child development up to the age of 20-24 months without affecting growth. Where pediatricians and other medical personnel provide intervention before parental stimulation. (Pitchik et al., 2023).

There is also research that says that comorbidities greatly influence child development. Although our results agree with the observation that children with CHD are at higher risk of neurodevelopment due to delays in language function, this is the first study to document differences between language and intellectual function since 12 months of age. (Fourdain et al., 2019). The most maternal social support to come to posyandu came from cadres in the control group (48.9%). (Amaliah, 2018). Psychosocial aspects of caregiving are essential factors in cognitive development (Ernawati et al., 2020). K-Means is a non-hierarchical data clustering method that seeks to partition existing data into one or more clusters/groups. (Komang Sri Julyantari et al., 2021).

CONCLUSION

A previous literature review said that media or tools to assess the growth and development of toddlers have their advantages and disadvantages, according to the opinion of the results of researchers. This is by the statement. (Komang Sri Julyantari et al., 2021) It is recommended to add assessment point attributes by the development required by the target

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