SYSTEMATIC LITERATURE REVIEW (SLR): LACK OF FACILITIES AND INFRASTRUCTURE FOR EARLY CHILDHOOD EDUCATION

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ABSTRACT

Priority from study that is can give understanding that education become evict valuable For sustainability life human and constitute factor comparative in development a country. Education does not can tar direction spoken If facilities and infrastructure No fulfil standardization. On the other hand, success learning is availability adequate facilities and infrastructure, because as reference all over needs and opportunities required for expansion activity Study teach. The SLR (Systematic Literature Review) method was used in method study. All collection of data obtained with document articles study kind. Articles taken and used in study This is 7 articles journal taken nationally from the Google Scholar database using Publish or Perish.

Keywords : PAUD Facilities and Infrastructure

INTRODUCTION

Education basically is something planned business For later can Can give rise to situations and activity processes learning that becomes the more interesting so that child can in a way role expand ability himself so that obtain religious spirituality, personality, morality, science life, knowledge general and the skills they will need in the future and in society. Education has meaning that is For become build a person of quality and character, has a broad and possible vision of the future adapt with fast and accurate. to various environment For reach desired goal.

Education is one aspect most important in progress Indonesian nation. It's said proceed a country if own source Power capable quality human resources compete in the era of globalization This. With effort direction and education man capable develop and explore existing potential in himself from since age early (Siregar, Darmawan, Kusumawardani, 2021).

Children's education age early childhood education (PAUD) is base form education usually given . to child from start born until 6 years old . PAUD education is implemented For help moral and bodily development so that child later Already more ready when want to enter education tall . Age child early and throughout characteristic that is unique , golden age , selfish , energetic , imaginative tall , spontaneous , eager know high , active so that PAUD is present and has a purpose with method embed nature and attitude positive for children like Budi good character , discipline , honesty and character or attitude positive other since early .

Children have a growing process flower separately which is not can be generalized, the level of development in children age early varies according to level age child That Alone. Children aged 3-4 years also have level Different continuations are compared more children young or more old. Achievement level development used For see how far progress a child in accordance with level his age.

Every child born need good care and education so child later Can grow and develop normally. Remember child age early are in the golden age phase , then important for they get ideal upbringing and education since early order them get provisions with the best for them later Can grow and develop in a way maximum and ideal fit what to expect . We 're the adults around child should loving good opportunity For fulfil needs all over child in all field development child Because in essence child is generation gold successor nation and religion.





Children who attend PAUD will also get A training Skills PAUD social groups are also present and participating as well as share in dala provide rich environment future stimuli and interactions will help child in develop concentration, skill thinking, creativity and solving problem. This PAUD Education Program can accomplished with Good if availability and sufficiency facilities and infrastructure institution school in the future Can For facilitate all over development child.

According to Constitution Number 20 of 2003 concerning National Education System, Article 1 Paragraph 14 assumes that education child age early is designated training for child beginning born until with age six year, implemented pass stimulation education For. bring development physical and spiritual, growth and mental development for children Already ready For Study sustainable. Children's education age early is business building, stimulating, accompanying and loving activity future learning child can Can create skills and abilities himself to the child age early (Arifin, 2014: 37 in Makmur Syukri et al, 2023).

Like Gardner. Deborah Stipek in Adi W. Gunawan (2003) thinks child age eight and nine year have high desire and success For persevere something, though in in fact matter This not enough applies . Expert study education above give instruction that start school since early through plan education child age early childhood education (PAUD) is influential and valuable If We want to create descendants talented . Years First . childhood era or Early Childhood (0-6 years) is stage decider in development and growth a child , As is base for remainder his life . In Indonesia, one the child is considered " age food " since born until eight mercy year .

In the current era education Already become need base for every man. In fact, the government has too oblige right education for its citizens started since 12 years old and recommended For period longer time. Education is useful avoid ignorance because The more tall education, increasingly Lots knowledge gained useful for the future.

The provision of education must have essential elements, very valuable elements For support ideal education in the future useful For reach objective education that is facilities and infrastructure education. Study room facilities is all . devices and materials furniture that can direct support the learning process at school . On the other hand, infrastructure education is preparation the basis used For support direct learning process at school , such as table , chair , place study , etc. Temporary that , as for the meaning of infrastructure education at school is device supporter mechanism learning that is not used in a way directly , for example road , yard , and so on .

(Minarti 2016: 251, in Meilanda et al , 2022). Education facility is equipment and furniture needed direct in the learning process teaching , for example building , room class , tables , chairs and tools display . Infrastructure education is means as such No direct supports the learning process , such as yard , garden , park school , and street school . Although infrastructure is used as For activity Study teach , like park school For teaching biology or page school For field sports , elements element the changed status to room teaching .

(Mukminin 2011: 94 in Meilanda et al , 2022), facilities and infrastructure is one contribution guarantee dignity academic . By etymological (linguistic) meaning means direct For achieve educational targets . For example : room , book , library , laboratory . At the same time , infrastructure is defined as means No direct For achieve educational targets . For example : place , building school , sports arena , money.

(Wahyuingrum, 2000:5, Rohiyatun, Nazwa, 2021) argues that institution education is all the facilities needed in the learning process, both moving or not move For reach objective education (according to Ibrahim Bafadal, 2003:2 in Rohiyatun, Nazwa, 2021) that infrastructure education is all equipment the basis for support direct implementation learning at school. Whereas according to (Riduwani, 2009, Rohiyatun, Nazwa, 2021), infrastructure education can be interpreted as tool supporter main for the process or effort education, so objective education will achieved. (Angelly, Rais, Meilita, Amanda, 2022).

Although seen The same between Facilities and infrastructure are both names own different contests in method its use . Facility or means is moving tools and usually used in a way straight away , like pen , book , paper computers , etc. Whereas infrastructure or infrastructure is supporters and usual form installation that does not moving , like buildings and rooms . Facilities and infrastructure are two different things sequence and. No Possible can be separated both of them connected and p the is supportive space ability somebody For Work with easy and efficient .



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Facilities and infrastructure become element valuable and factor the decider success education . Hosting and accessibility infrastructure School has a big influence continuity and integrity learning in space class or usually called with class . Entire facilities and infrastructure school must be supervised then maintained with Good so that its existence can strengthen system learning as well as utilized in a way good and appropriate its designation For makes it easier classroom learning in accordance with what to expect and what will happen next objective education can be understood as intended . With thereby can be concluded objective utilization facilities and infrastructure have role main in direct learning process in class , so later you can too facilitate and influence the transfer of knowledge knowledge from teacher to child with fast and good Because exists support perfect facilities and infrastructure For makes it easier knowledge transfer occurs teacher learning for child .



According to LOKADATA (My Hokkie, 2019) it is recorded almost 8% of villages Not yet own means education. In order ranking First occupied by Papua with percentage 51% without means adequate education, still Lots problems in Papua start from curriculum, equal distribution of teachers, and many more Lots again, then in order last occupied by Bali with a meaningful 0% percentage problem means education in Bali not as bad as in Papua.

According to Article 2 Paragraph 1 PERMENDIKBUD Number 137 of 2014 concerning Responsive National Standards for Early Childhood Education is standard child age early consists top : standard development child , standard content , standard assessment , teacher standards and standards education , facilities and infrastructure , standards administration and standards finances , PAUD standards as referred to in paragraph I are the part that doesn't lost in management and administration education . child age early . Because of That 's a special education must analyze element element education consists from goals , teachers, curriculum , children facilities and infrastructure school and environment is component education is a must each other support .

As stated in Article 1. concerning PAUD standards are A framework management and implementation education preschool and school basic no can be disturbed sue Hagi children all over age . Therefore that is , quality education must take into account all over related aspects , including : goals , teachers, curriculum , children , resources Power class , and existing environment around . Element education is a must too pious related . Many influencing factors success teaching at a school is one of them is its availability tool necessary props as one of them .

According to Asmani 2015, Mabsyud , 2023) " facilities and infrastructure very important in something institution education , in particular in context education child age identical early childhood education (PAUD). with game that is as means learning ". Article 1 number 20 of the Law National Education System , Number 20 of 2003 assumes that " learning is interaction between children and teachers in something area Study . So from that , with complete facilities and infrastructure , PAUD is more in demand public ".





With satisfactory facilities and infrastructure, education provided to children do it too with various creative way, no monotonous in a where it's done in One approach and depth One that place That just. Existing games make child more enjoy the educational process and quality games offered by the school must Far more Good. In terms of existing PAUD infrastructure, if not supported adequate infrastructure, then child Certain will experience difficulty in learn matter especially in future technology will more proceed in learning.

but in reality No seldom PAUD schools in Indonesia, especially those located in rural areas or remote, lacking worthy from facet excellent facilities and infrastructure define How direction learning at school convey or fail convey material or information learning from teacher to children who are taught this naturally will also have a big influence on motivation Study to child. The school roof is leaking, chair broken class or No inadequate, ventilation, leaking walls, insufficient lighting inadequate, darkness, too atmosphere solid and others are problems that are often faced and encountered so that become A existing problem it's not taboo anymore in realm education.

Study This having a target is For understand more wide is institution education child age early and means infrastructure in various regions in Indonesia has fulfil reject measuring national education child age early or Still Not yet fulfil reject measuring the .

RESEARCH METHODS

Study This is A studies literature use Systematic Review (SR) or Systematic Literature Review (SLR) method general that is something mechanism arranged For combine and study in a way sharp . integrate and combine acquisition different research about problem study or the main thing you want learn. Research comes first that is look for related articles with principal research, then then examine it. Overview systematic namely the model for see something problem special with a rigorous model. that is recognize, test and decide problem special as well as put forward problem based on the solution in a way specific, appropriate with criteria that have been determined. Case This is advanced from research related qualitative and questions study previously. Research used This is Systematic Literature Review (SLR) method, a technique research that is systematic, clear and reproducible For identify, evaluate and synthesize results the thoughts of researchers and practitioners with the goal identify, review and evaluate all over research, decide that study This will consists from a number of steps, including : children ? First, the question is How study This can influence education. Second, research dataset This is journals that focus on lack facilities and infrastructure education child age early. Search studies literature at the start with the data obtained in Google Scholar through publish or publish application. Keywords used is connection from education child age early with lack of facilities and infrastructure education child age early articles in 2010 to 2024. Third, after accept various article. Researcher searched the Google Scholar database for 50 articles related with lack of facilities and infrastructure in education child age early, later choose article related topic study from a number of article. Then For study in detail the appropriate article with material research, after 20 articles and careful scrutiny in detail so that you get 7 articles that are in sync with principal discussion, then 30 articles not entered in conversation or search. Found 7 articles related principal study certain items served on the elements discussion and opinion. Here's the diagram canal mechanism exclusion and inclusion at the systematic review level (n: number article).





Figure 1Flow diagram related to the Systematic Literature Review Steps

RESULTS AND DISCUSSION

Education is right every citizens and can be obtained anywhere and at any time course , both informal, formal and non-formal. So why that's the government bear task For provide A service quality education tall to every inhabitant his country Alone without except . System education whatever is expected can provide all something that is needed for growth and development child Good from facet mental sharpness , potential physical , developmental social and emotional as well as factors other that is For can produce a generation that is smart , committed , loyal , dedicated , democratic , healthy physical nor spiritual , knowledgeable and skilled , personal strong and independent . For reach objective This need strong and good curriculum For means nor infrastructure a Apart from competent teachers For give A activity learning , support chance studying is also important For help teachers because the more spacious and adequate chance study at school , then the more It's also easy for teachers to implement his task as a teacher.

Regulation government no. 19 National Education Standards 2005, Article 1 paragraph (8) assumes standard facilities and infrastructure is reject measuring national sequential education, minimum space requirements classes, sports, prayer areas, parks reading, laboratory, workshop. playgrounds, and recreation, fields creativity and resources Study other. It must be held to support it the entire learning process, contained utilization technology heritage and connection, Article 42 Chapter VII mentions it separately; (1) Every device education must own room containing furniture, tools props, tools displays, books, materials used up, and other instruments as intended For maintenance organized and prolonged education.

Standardization PAUD facilities and infrastructure According to paragraph 1 consists on standardization facilities and infrastructure for Kindergarten, RA, Special Kindergarten, KB, TPA and other equivalent institutions . Standardization environment PAUD school as following Minister of Education and Culture Decree No. 22 in 2023:

- 1. Needs are adjusted level education .
- 2. Provide needs child need special and children pay close attention elements of SARA.
- 3. Provide appropriate facilities For fulfil need child needs special
- 4. Using all over source power at school optimally
- 5. Guarantee security, comfort, peace, health, and so on,
- 6. Preservation sustainability environment life .

Standardization infrastructure PAUD schools according to the Minister of Education and Culture , Minister of Science and Technology no . 22 in 2023

- Rules in the field land :
- 1. Estimate quantity children and groups Study
- 2. completion studies according to model, strata and trajectory education .





3. number and model of rooms There is an open area green For facilitate the learning process teaching , guaranteed environment safety , order location land and get it permission from government area . Good ownership land nor land , and own access easy to specialize For children special .

Building Layout :

There is wide building with provision as following :

1. Estimate amount children and groups Study .

-Building plan in accordance regulation invite invite .

- 2. Number and type facility.
- Safety consists from structure durable and resistant building to damage nature and error man .
- Hygiene and health , which includes lighting , clean water , air clean and sanitary .
- Safety consists from warning , instruction form evacuation .

- Hygiene and health , which includes lighting , clear and clean water , fresh air or not Lots pollution , sanitation ,

- Safety form warning , guidance , evacuation .
- Convenience movement, condition room.
- Source energy besides electricity as required by law .
- -The door can be accessible to children in need .
- Use good material For health and safety For building . Room - rules special :
- Compatibility quantity and type room .
- Consistent safety from warning , instructions , evacuation ,
- -A roomy door that opens For children with need special .

However if seen return that It turns out that education in Indonesia is very minimal, especially from facet facilities and infrastructure, especially if you look at the area rural can be said brackets get attention. In the learning process teaching is very necessary comfortable place and room or OK For Study. When facilities and infrastructure not enough Good so level education will decrease . problem general from case This is caused by many reasons the school is located distance , facilities and infrastructure No suitable for use , and things This Still become problem big especially for the area isolated . At school moment This Still Lots facilities still available not enough mark from facet quantity and quality . Lack of space Good like room leaking classrooms , chairs , tables , shelves , etc., damaged and over No worthy to use , in case This room Study That will can obstruct channel Study child and the same very No worthy For Study . Likewise , limitations power educators ' worth and limitations facilities and infrastructure education can give rise to mutual problems related to the current era This .

Lack of facilities and infrastructure education , incl source Power humans , can.inhibit development education in the region isolated . As a result , many students who feel impacts and losses , as well lack of focus and expertise provided government towards the future they In fact , children who live in the area The fringe is very enthusiastic Study although the facilities not enough adequate . This matter Of course show schools in the area fringe not enough get attention . Because of limitations facilities and infrastructure , then facilities that have been provided government No can be used in a way maximum or develop Skills child . If there's a problem This not resolved with quick then teachers and children will down Because considered No adequate . The facts on the ground of course showing that in these areas isolated Still Not yet adequate from side facilities and infrastructure , visible source Power man . So that case it will too impact on Education.

At the same time, the state must also elevate budget education For closing education funds society that doesn't well off in schools that don't adequate in the area isolated. Government must pay attention and see in a way direct is facilities and infrastructure in various area lack or disability. The government is also straight multiply and equalize chance education specifically sorry for the poor people. In terms of this is school can ask the state for money depending on conditions need land and infrastructure school. Schools should too clever manage these funds Authority education in every The district should too register securai detui schools nearest For ensure which facilities and infrastructure are still available? shortcomings and need to be added or upgraded.

The results of the research is as below in Table 1, based on 7 sources article appropriate journal criteria publication .



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Table 1 Research Results to Lack of Facilities and Infrastructure for Early Childhood Education

Researcher	Journal	Research result
Researcher Donna Putri Setyaningsih Herri Raudhotul Islamiyah, Erni Munastiwi Herri	JournalEarlyChildhoodEducationandDevelopmentJournal 3 (2), 68-75,2021:ProblematicManagementofEarlyChildhoodEducationInstitutionsInstitutionsinLimitedFacilitiesand Infrastructure .Annual ConferenceonIslamicEarlyChildhoodEducation(ACIECE) 6, 29-34,2022:TheRoleGracilitiesandInfrastructureManagementinImprovingtheQualityofEarlyChildhoodLearning	 Findings study show lack of facilities and infrastructure in the park children : YWKA Yogyakarta Kindergarten. Facilities and infrastructure Still Not yet fulfil need child age early . b). Lack of funds causes restrictions purchase facilities and infrastructure school . c) Small classrooms , so give rise to child No have freedom in activities inside class . Masyitoh Bina Putra 2 Kindergarten Ngemplak class a) less big so that child difficult move in class b). Director and administration room size small so that his activities limited . C). narrow place storage goods child d). Public bathroom only there are two, you have to take turns and queue . e) a lot device Broken Praga . Findings study show that facilities and infrastructure provided by KB Nurul Amanah Candipuro in South Lampung yet Enough support quality education , however Still lack of room class For children , lack bathroom (WC). game in the learning process children and management source power used party school A little disturbed Because must wait receive money from head village , less There is children playing in the environment page school the Because school the covered by mosques, posyandu and halls recitation .
Romlah , Rumdani Sagala	Journal of Early Childhood Education Journal Obsession : Journal of Early Childhood Education 6 (1), 231-238, 2022: Management of Child Care Park Facilities and Infrastructure in Lampung	Findings study showing that Pinggungan Landfill Sebuai and Cut Muthia landfill are still there constraint in the educational process child, one of them is lack of funding from the state, therefore That school ask and rely on some funds from parents child the . so that facilities and infrastructure at school This Still limited .
Muh Shaleh, Laode Anhusadar	Aulad : Journal on Early Childhood 4 (3), 186-192, 2021: Evaluation of Standard Input for Facilities and Infrastructure in PAUD Institutions	Findings study show Group Play Nur'ain Still own facilities and infrastructure lacking schools adequate , building school Already There is However it is located at the top sea give impression Still not enough comfortable . Then the school area Not yet broad , as tool show toy child Still limited and not yet in accordance with field development the child he should be .
Dewi Anggraini , Dyah Ayu Lestari	IJIGAEd : Indonesian Journal	Findings study show that facilities and infrastructure Dewi Sartika Kindergarten education Jabung Malang still less, for example



	of Islamic Golden Age Education 2 (2), 11-20, 2022: Management of Educational Facilities and Infrastructure at Dewi Sartika Pkk Kindergarten Jabung Malang	room class For Study child Not yet sufficient, library place child read Not yet available, not yet There is room separate, bathroom for children guardians and student teachers must Take turns and queue, the UKS room is connected with office, parking motorbike , car located right in front school in the mosque yard so bother activity school Good child nor parents, no exists the director 's room school, no exists canteen school place Eat children, tables and chairs Already No worthy Again for use inside and outside room, equipment play child Still limited and starting damaged.
MY Mahmud, Riftiyanti Safitri , Dwika Ristani	JMiE (Journal of Management in Education) 7 (1), 1- 8, 2022: Optimization Management of Facilities and Infrastructure at PAUD Nurul Ihsan Tanjung Jabung Timur	Findings study This show that Nurul Ihsan Tanjong PAUD facilities and infrastructure in the East Jabug area are still Not yet adequate Because Still many park play the child caused it Lots damage and disruption activity Study child .
Syafiatun Nabila, Ahmad Farihin , Yuliana Yuliana	Al- Abshar : Journal of Islamic Education Management 2 (2), 229-239, 2023: Facilities and Infrastructure Management at TKIT Maulana Yusuf	Findings study showing that The funds and infrastructure at TKIT Maulana Yusuf are still funded less, some big using personal funds, except building (room classroom, toilet and office), however there are also those who use program funds. school this also has means infrastructure that does not yet exist like canteen or cooperative place children Can For Eat, No There is UKS room , warehouse For keep things and places play as well as a play area For children.

RESULTS AND DISCUSSION

Research result from seven journal show that lack of facilities and infrastructure child age early is task important and must be implemented, as well can impact serious about life daily life and learning child. Based findings articles in review, lack of source power and means infrastructure since age early can influence attitude child in life daily until until in learning will There is consequence positive nor negative.

In the development of the world of education in the current era, every challenge education both formal and informal try organize and complete facility the institution For sufficient needs all child school both teachers, employees, children and parents. In completing existing facilities there is, something institution education is said develop when availability satisfactory facilities and infrastructure relate with learning child. Learning flow teach can be improved with support orderly facilities and infrastructure.

For support education is needed sufficient support and opportunities in activity Study teach . Chance Study is the main factor as it were role important in realization objective learning . Chance supportive and adequate learning can makes it easier for teachers and children , schools , to reach objective effective learning . Besides that . in fact Still Lots school still lack service adequate support For carry out activity effective learning in the field education . In fact , support Adequate schooling and opportunities are essential in connection with effectiveness school . Chance less learning get attention



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at school lower Spirit child . Apart from that , comfort and motivation learning also weakens consequence lack of supportive room activity Study . Therefore that , school , government concerned , and interested communities with . education World must endeavor maximum Possible For ensure adequate facilities for child . The goal is For make learning at school comfortable and encouraging strong motivation For follow every learning process in the classroom and environment school

Use facilities and infrastructure organized education Of course expedite implementation learning child , then child become heradd enthusiastic in the learning process . On the other hand , lack chance education cause child brackets enthusiastic and passionate in Study . Therefore that 's special facilities and infrastructure in learning make children , teachers and schools each other connected in a way spontaneous . Support infrastructure education increase help child . Not all child have good intelligence , so utilization means infrastructure learning is very easy child especially those who have lack in follow channel learning , the teacher will too more encouraged with support means infrastructure . The learning process also becomes increasingly flexible , outside normal and useful . At the same time , school must become responsible entity answer on all activities carried out . Apart from making sure matter that , school maintain and maintain existing infrastructure There is .

However in fact based on the facts seen in a way real until Now This Still Lots institution education children who have Lots mutual problems related and indicative Baliwa facilities and infrastructure Not yet fully worthy, among other things room class that doesn't works with OK, agency education that is not maintained (damaged) and left behind era, so lack of facilities and infrastructure education can hinder activity education. Condition This also has an impact on conformity and nonconformity comfort in the learning process teaching, as well impact on on parents 'views so that arise reluctance and unwillingness parental care For send to school his son to preschool.

CONCLUSION

Study This conclude that lack of facilities and infrastructure education in children age early can impact on children . This result obtained and 7 articles that have been researched . Basically education No will Once can works in a way Good If No exists Good facilities and infrastructure too . Infrastructure is element support , part valuable in maintenance education and one indicator quality school . More children motivated with exists support facilities and infrastructure learn , because basically No all child own good intelligence , so it is needed utilization facilities and infrastructure Study so it's very helpful they . And the teachers too of course more supported with facilities and infrastructure supporters .

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