

Learning Transformative Based Literacy and Numeration in School Base

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Abstract

Learning transformative based literacy and numeracy in elementary school lesson thematic from grades 1-6 can held with provide stimulus to student . Literacy and numeracy is Skills important thing to do owned by students school base For support his abilities in education, reach potential, and participate in public. This article will review draft learning transformative based literacy and numeracy For child school base. Learning theory transformative and conceptual literacy numeracy explained as development draft learning Because learning transformative No only transfer knowledge but also do change, esp understand literacy and numeracy.

Keywords: Learning transformative, literacy, numeracy

Introduction

Education has role important in form intelligent and competent society In an era of increasing information and technology progress , ability literacy and numeracy become Skills the key is a must controlled by everyone individual . Literacy refers to ability somebody in reading , writing and understanding information , temporary numeracy covers Skills in process , understand, and use number in life daily.

Development literacy and numeracy in the world of education own challenge separately. Many students face difficulty in develop Skills this , and its impact can seen in low performance academics and lack thereof readiness they facing a competitive world of work the more strict . Therefore that 's necessary There is more understanding deep about How literacy and numeracy influence education and methods effective in increase Skills This .

Education is one factor key in development social and economic a country. In an era of increasing globalization complex and connected , mastery Skills literacy and numeracy becomes very important . Literacy covers ability base like reading , writing and understanding information in a way effective, temporary numeracy involve ability student in process numbers, solve problems , and thinking critical .

However , developments literacy and numeracy in the world of education moment This Still face challenge. Many students experience difficulty in develop Skills this, which has an impact negative on performance academic they nor ability facing an

increasingly busy world of work competitive . Therefore that is necessary more understanding deep about importance literacy and numeracy in context education as well as effort concrete in increase Skills This .

In the article this will discuss about development literacy and numeracy in education , how? Skills This each other related , and important formulate effective strategies in advance literacy and numeracy student . Discussion This will give more understanding comprehensive about How literacy and numeracy influence learning and how the right approach can increase Skills This.

In context development technology and change rapid social, abilities literacy and numeracy become base For understand as well as participate in modern society. Therefore that , article This will explore various strategies, from role educators, curriculum , to support necessary government For facilitate development effective literacy and numeracy.

Through deep understanding about importance literacy and numeracy in education, hopefully We can create environment learn more OK , that's possible every individual For develop Skills This optimally. With students will own provisions necessary skills and knowledge For success in life and more Ready face increasing future challenges complex .

Education is one aspect important in development a country. In an era of increasing globalization complex and connected , important for every individual For develop Skills literacy and numeracy. Literacy involve ability somebody in reading, writing and understanding information, meanwhile numeracy covers ability in process numbers, solve problems, and thinking critical use draft mathematics.

Skills literacy and numeracy own crucial role in life everyday life and success academic . Literacy , for example , helps somebody For understand text , analyze information with critical, and convey thinking through writing. Temporary that is , numeracy possible individual For overcome situation life real involving numbers, like planning finance, solving problem mathematics , and the use of statistical data.

Although importance literacy and numeracy has recognized, there is necessary challenge overcome in development Skills in the world of education . First challenge is gap in ability literacy and numeracy between children from background different rears , incl difference cultural, social, and economic. This matter reflected in inequality performance academic between student from group more society sufficient compared to with those who are lacking lucky . Another challenge is progress rapid technology , which has change method We interact with information . In situation this is important For ensure that literacy and numeracy updated For integrate relevant capabilities with technology information and communication .

Important For emphasize that literacy and numeracy No only about Skills basic, but also involving mastery more concept deep and thoughtful critical. Literacy involve understanding context , assessment quality information , and abilities For take conclusions based on evidence. Whereas numeracy involve understanding to energy

mathematics , incl ability visualize , create relationship, solve problem complex mathematics, and uses tool help mathematics in a way effective .

Development literacy and numeracy in education No Can released from role educator. Teachers have role central in help student develop Skills literacy and numeracy they. Teachers must own deep understanding about concepts these and effective teaching strategies. They need it too apply student centered approach, which makes it possible student For involved active in learning and applying Skills literacy and numeracy in meaningful context for they.

Apart from the role educators, institutions education and government also hold role important in advance development literacy and numeracy in education. Need exists curriculum that provides chance for student For develop Skills This in a way progressive and integrated with Good . In addition , institutions education Can utilise technology and resources Power other For help student in develop literacy and numeracy they . Support government is also very important , incl adequate funding allocation and policies supportive education development Skills literacy and numeracy in curriculum national .

In a broad context , it is important For appreciate importance literacy and numeracy in life We daily. Ability strong literacy and numeracy possible individual For become active, participating citizens in a way effective in activity social and economic, and achieve success academic. Therefore that's , effort For increase Skills literacy and numeracy must Keep going improved, with involve various holder interests , incl students , teachers, institutions education , government, and society in a way whole .

Education is institution important in process setup And enhancement quality source Power quality human being .Education becomes place realization agent of change in life social (Akbarjono , 2015). Mansour Fakhri opinion that education is process production awareness critical , like grow awareness class, awareness gender And awareness critical other (Topatimasang ,Rahardjo, & Fakhri, 2001). Man become subject main thing to be target at a time executor education That Alone Because man as the only one creature Which gifted reason and thought so that must can buildAnd enrich himself with education.

Education No only as media knowledge transfer, but also as a medium development thinking critical participant educate . Demands education moment This No only form participant empowered learners competitive , but also capable face challenges of the timesfront Which role in change public to direction Which more Good . In facing the era of industrial revolution 4.0 and the era society 5.0 needed exists perspective new in field capable education produce graduate of Which in accordance development era . For can produce suitable graduate demands change era required base who evaluates system education with measure performance student , especially on three field main , that is mathematics , science, And literacy . 2018 PISA score results for Indonesia has given Yuri Belfali (Head of Early Childhood and Schools OECD) to the Minister Education And Culture (Minister of Education and Culture) Nadiem Makarim in Building Ministry of Education and Culture Jakarta

and determined that Indonesia was at order to 70 from 78 country participant (Fuadi, Robbia, Jamaluddin, & Jufri, 2020). Matter This showing that quality learning relate with mathematics, science And literacy in Indonesia Far in lower country- country member OECD. By Because That, required change paradigm new in system education and learning in schools base For can increase ability literacy And numeracy through paradigmeducation transformative.

Education Transformative according to Mezirow is learning Which oriented on change (transformation) frames of references as structure assumption Which used somebody For looking, understand, And interpret life (Sopingi, 2018; Syaifulloh, 2016). Transformation means

- a. Change form, appearance or structure;
- b. Change Condition, essence or characteristics; even
- c. Replace substance. With thereby all transformation is change, but No all change is transformation.
- d. Change more nature superficial, whereas transformation more nature substantial (Freire, 2018). Education transformative is education Which do process change to direction Which more Good.

Principle pedagogy learning transformative it's not matter new. Rousseau (1921) highlighting about need For return to natural For conserve man from broken society, and set role active student in Study so that knowledge man started with intuition who entered reason, from which ideas are formed (Rousseau, 1921). Mezirow (2003) has expand ideas This For highlighting about change in perspective so that can achieved with collaborate in practice dialogic in where corner look Which different

can contrasted and changed as part from existing practices (Mezirow, 2003). Article This discuss about elaboration between learning transformative with knowledge literacy and numeracy For student school base Because education works prepare source Power human in accordance demands era with amount and quality Which adequate.

Discussion

Literacy and numeracy each other related and contributed One each other inside increase ability students in various aspect education. In developing literacy, teachers need teach Skills reading that includes understanding text, create summary, and analysis information with critical. Apart from that, writing is also a must focus on sharpening Skills effective, good writing That in form narrative, expository, or argumentative. Learning literacy is also a must notice ability student in understand and analyze information graphics, like chart or diagram.

Temporary that is, numeracy involve understanding and application draft mathematics in situation real. Teachers must teach him with more approach practical and related with life everyday for students can see relevance from concepts the Skills

numeracy No only covers operation mathematics basics , but also abilities solve problem , thinking critical , and processing data.

For Increasing literacy and numeracy in schools is important for government and institutions education For give adequate support , incl involving parents in the learning process , improving appropriate curriculum with developments over time, and involves technology as tool effective support .

In the era of continuous information and technology develop , skills literacy and numeracy become the more important in education . Build Skills strong literacy involve ability student in reading , writing and understanding information in a way critical. On the other hand , skills numeracy involve understanding and use number as well as ability in solve problem mathematics.

Important For understand that literacy and numeracy each other related and contributed One each other inside learning . As example , in read and understand text , students need ability numeracy For interpret statistical data or information provided in form chart or table . On the contrary , ability good literacy is also necessary in understand and use draft mathematics in a way effective .

In context development literacy , teachers need own active role in teach Skills reading and writing . They must teach student For can understand structure text , compose summary , as well analyze information with critical . Apart from that , teachers must also encourage and train student in write in a way expository , narrative , and argumentative .

In terms of numeracy , teachers need apply more approach practical and relevant with life daily . Ability student in understand and use number must linked with situation real so that student can see its usefulness and relevance in life they . Apart from that , teachers must also help student develop Skills solution problem mathematics , thinking critical , and data processing .

Enhancement literacy and numeracy in education is also needed support from institution education and government . Appropriate curriculum with developments over time and needs student must designed with be careful , incl application effective teaching methods and strategies . Apart from that , the government need give support and resources adequate power , as well involving parents in the learning process so that students can obtain supportive environment development literacy and numeracy they .

With notice importance literacy and numeracy in education , hopefully can happen enhancement quality more education and preparation Good for student in facing a competitive future With understand and implement the right strategy , we can help develop Skills literacy and numeracy student in a way effective , so they can become successful and prepared individual face challenge in global society .

Participant educate on age school base Which aged between 6-12 year own characteristics always want to know . In period This interest child focused on all matter Which nature dynamic moving (Kurniawan, 2015). The implications child tend For do various activity Which useful on process its development . On period This , learning

Which applied by Teacher should focused on literacy and numeracy . Literacy numeracy No just inside eye lesson mathematics . Literacy numeracy own room scope Which wide (Ecowati & Suwandayani ,2018).

Literacy numeracy can applied to eye lesson non-mathematical , with so literacy numeracy For child age school base can applied in learning thematic . Application literacy numeracy in learningthematic is something implementation activity learning carried out educator with create activity learning Which involve numeracy in a number of eyelesson Which will studied . In One themethere is a number of eye lesson with in design Alone use method , model, approach , And provide mediaWhich can makes it easier participant educate Forunderstand material numeracy with easy (Susanto & Vidiawati , 2019).

Ability literacy participant educate applied with enactment 2013 curriculum , learning Which held through approach literacy integrated so that participant educate more creative And innovative . So that learning literacy in curriculum 2013 aim on development attitude , Skills , And knowledge participant educate .Ability base literacy consists from readand write as the core of the program. Literacy too put proficiency literacy other in syllabus (Firm , 2020). Implementation learningtransformative based literacy can implemented with compile activity -activity Which contain element literacy numeracy on process learning with develop in learning thematic . Educator can choose method learning Which in accordance , so that participant educate involved in process solution problem with full

When somebody see something from perspective Which different , interpretation they about life Also changed . This is draft main from learning transformative . Mezirow believe that solution problemproduce behavior Study . However , process solution problem influenced by perspective about meaning individual . When individual ponder assumption or hope in come back incident life they , If they find that assumption is this wrong or too narrow , they will revise And adapt perspective meaning they(Mezirow, 1991).

Perspective transformative different from learning normal , p This because in perspective transformative must produce perspective meaning new . Mechanism key Forchange perspective meaning is reflection . Influence learning transformative No only on transformation perspective individual , but Also covers change behavior external (Cranton, 2009; Mezirow & Taylor, 2009; Taylor, 2018) . Learning transformative try For grow awareness individual about himself Alone .Objective learning transformative No onlyFor transform personal , but AlsoFor transform social so that individualcan become creative for himself Andpublic as well as in connection politics and economy (Lange, 2004). Mezirow (1991) share reflection become three type : reflection content ,reflection process, And reflection premise . From amountthe , reflection fill And reflection process usually

Conclusion

Development literacy and numeracy in education play role important in form competent and prepared individuals face future challenges . With more understanding in about importance Skills this and effort collaborative from government , institutions education , teachers, and parents , are expected can increase quality education and preparation tough generation in face global competition . On transformative learning , experience Which owned participant educate very important , Because with Lots experience they will own background back , style learning , motivation ,and their different needs will motivated For Study if What isstudied can direct applied . Draftlearning transformative based literacy and numeracy nature contextual Which aimFor increase literacy related with life daily participant educate through questionstory . Learning This make participant educate obtain chance For involved with problem real with various contextWhich different , so that they can consolidate And expandSkills numeracy base .

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