

OPTIMIZATION OF COLLABORATIVE LEARNING BASED ON CULTURAL LITERACY IN NATURE SCHOOLS THROUGH THE COMMUNITY-BASED LEARNING FUNCTION

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Abstract. Collaboration in community Study can repair practice teaching through discussion based evidence and mutual share experience between teachers. In addition, the community Study help teachers to stay up-to-date with trend education latest as well as expand network professional they, who in the end increase competence classroom teaching. Although community Study offer Lots benefits, there are a number of challenges faced by teachers in follow activity this. Challenge main covering limitations time experienced by teachers, lack of support from management school, and understanding that has not been adequate about benefit community learning. Learning at school natural Lots carried out in the room open, with utilise the potential that exists within environment school. With use approach qualitative with method study studies case with informant The Principal, Vice Principal, Teachers, and Community Based Learning at Sekolah Alam Indonesia Cibinong. Data collection techniques used with interviews, observations and also studies documentation with data checking using data triangulation techniques. Research results show Activity Study together natural must take places in the area local, actual and contextual Activity learning in nature open beneficial For increase courage in act and opinion. Outbound activities form pattern creative thinking, as well as increase intelligence emotional and spiritual in interact. Through literacy culture, children can become more citizens aware culture, ready face global challenges, and provide contribution positive for public multicultural. Literacy culture at school can integrated to in curriculum with comprehensive approach. With create environment work that supports and equips teachers with greater understanding Good to diversity culture students, it is expected quality learning can increase in a way significant. More carry on continue, literacy culture become factors that are increasingly significant in increase quality teaching in Indonesia. As a country with diversity high culture, deep understanding about culture student become aspect important for teachers in create an effective learning process.

Keywords: Community Based Learning; Literacy Culture; Natural School.

1. INTRODUCTION

For a nation, existence culture national own level equal interests with the ideology that becomes base nation said. Generation young own role important in preservation something culture, with hope that they can continue inheritance the to generation next. Concerns about potential erosion culture national by the global culture that continues develop in line with progress technology communication become something issues that need to be addressed get attention (Surahman, 2016). Therefore that, is necessary education literacy culture at school base as effort For guard sustainability culture national. Literacy culture is runway important in development ability student For think critical, creative, and collaborative. To create environment school literacy-rich, a strategy formulated by Beers, Beers, & Smith (2009) in his book A Principal's Guide to Literacy Instruction offers comprehensive guide. The article explain in a way details of the strategy as well as its relevance in context education moment this. Literacy culture at school No only about ability reading and writing, but also engaging ability student For understand, analyze, and apply information in life everyday life. Literacy culture is very relevant and important concept in education child. This is not only help children

understand and appreciate diversity surrounding culture them , but also provide solid foundation For development ability language skills critical , and attitude open towards the world. Through literacy culture , children can become more citizens aware culture , ready face global challenges , and provide contribution positive for public multicultural .

Literacy culture at school can integrated to in curriculum with comprehensive approach . Teachers can use various source power , including books story , material lessons and activities creative For bring literacy culture to in class . In addition , collaboration with community local , visit to places historic or culture , and projects study small can become method effective For increase understanding children about literacy culture (Lailatul et al ., 2023). Literacy culture is very relevant and important concept in education child . This is not only help children understand and appreciate diversity surrounding culture them , but also provide solid foundation For development ability language skills critical , and attitude open towards the world. Through literacy culture , children can become more citizens aware culture , ready face global challenges , and provide contribution positive for public multicultural .

The challenges of the digital era are very diverse , one of them lack of literacy culture participant education that has an impact on knowledge diversity culture Indonesian regions . Literacy culture is ability For understand and appreciate diversity culture that exists in society , including values , traditions , and practices social that forms interaction between individual . Through literacy culture , students can more understand the importance life in diversity , as well as develop attitude tolerance and empathy to fellow , which is foundation main in create harmonious and united society . Therefore it should preserved diversity Indonesian culture becomes very important , through literacy culture Because diversity culture the is characteristics typical.

Nature School is school that makes natural as the main media in learning . The learning process at the Nature School for students experience direct from every activities carried out so that they get experience from what is done . Nature School is school with draft education that adheres to philosophy base that man is management and maintenance nature to balance and use natural as the main medium of learning . Learning at Nature School makes natural as source Study main with make theme as unifier eye lessons . Learning only can ongoing with Good If executed in the environment or nature is capable accept soul , mind , body and everything feeling students . Activities Study together natural must take places in the area local , actual and contextual Activity learning in nature open beneficial For increase courage in act and think . With Thus , research own novelty that education at school natural Not yet Lots carried out and the pillars of education that exist in 13 schools natural Not yet expressed in a way comprehensive so that required existence study more deep regarding the pillars of education , networks school natural archipelago , literacy inherent culture in wisdom local in the school nature is also the eye lesson outbound which is also a pillar of education in schools natural become unique research For expressed more carry on.

2. LITERATURE REVIEW

2.1 Literacy Culture

Literacy culture is something emerging concepts as response to the increasing complexity of the world globalized . Definition literacy culture covers understanding , appreciation , and involvement in various aspect the culture that exists around we . Literacy culture No only limited to ability reading and writing , but also includes ability for interpret , analyze , and respond various form expression culture (Malawi et al., 2017). Concept this own great relevance in context education children, where are the children currently build foundation understanding they towards the world. In a way basic, literacy culture show ability somebody For communicate and interact with different cultures in a way effective. This is covers understanding to mark values, norms, beliefs, and practices that shape something group society (Ahmadi & Ibda,2019).

Literacy culture also involves ability For recognize and appreciate various form expression culture , such as art , music , dance , and language (Mahardika et al ., 2023). Children can invited For understand history and meaning behind various inheritance culture . For example , they can Study about tradition local , folklore , or ceremony customs that form part from identity culture something community . With thus , literacy culture No only teach children For value diversity , but also for feel it as something rich and interesting . The importance of literacy culture in education children are also related close with development ability speaking . Through literacy culture , children can expand vocabulary they understand nuances in language , and develop ability speak and write more good (Parapat et al ., 2023). Ability This important For allows children communicate in a way effective No only with each other , but also with people who come from from background behind different cultures . In addition , literacy culture can help children develop skills critical they (Mardiyah , 2019).

Literacy culture is ability For understand and appreciate diversity culture that exists in society , including mark values , traditions , and practices social that forms interaction interindividual . Literacy culture at school can integrated to in curriculum with comprehensive approach . Teachers can use various source power , including books story , material lessons and activities activity creative For bring literacy culture to in class . In addition , collaboration with community local , visit to places historic or culture , and projects study small can become method effective For increase understanding children about literacy culture (Lailatul et al ., 2023). In conclusion , literacy culture is very relevant and important concept in education child school . This is not only help children understand and appreciate diversity surrounding culture them , but also provide solid foundation For development ability language skills critical , and attitude open towards the world. Through literacy culture , children can become more citizens aware culture , ready face global challenges , and provide contribution positive for public multicultural .

2.1 Nature School

Nature School is school that makes natural as the main media in learning. The learning process at the Nature School for students experience direct from every activities carried out so that they get experience from what is done . Nature School is school with draft education that adheres to philosophy base that man is management and maintenance nature to balance and use natural as the main media learning . Learning at Nature School makes natural as source Study main with make theme as unifier eye lessons . Learning only can ongoing with Good If executed in the environment or nature is capable accept soul , mind , body and everything feeling students . Activities Study together natural must take places in the area local , actual and contextual Activity learning in nature open beneficial For increase courage in act and opinion. Outbound activities form pattern creative thinking , as well as increase intelligence emotional and spiritual in interact . Activities This will add experience life somebody going to A maturity self (Berry, 2020). Gaharu Nature School is school committed nature in support student female students his For interact direct with nature . School natural education the approach that is institution different with traditional . They put natural as part important from curriculum them and promote learning active , exploratory , and in-depth understanding about environment (Ramdhany, 2020). The main objective from school natural is develop connection between students and nature as well as help they become caring , responsible individual answer , and have deep understanding about ecology (Sunassee et al., 2021).

3. RESEARCH METHODS

Study This conducted at the Cibinong Indonesian Nature School located at Jalan Raya Cikaret No. 47 Harapan Jaya, Cibinong District , Bogor Regency - West Java. Study This done start October to with month December 2025. Research become important Because give clear and systematic direction in the research process with formulate question relevant and appropriate

research target, choose appropriate methods, as well as determine method for analyze data. All stages study done aim for analyze optimization implementation learning literacy culture with apply function strategic *Community Based Learning* Teachers at the Indonesian Nature School Cibinong with optimize means study through procurement innovative outbound facilities as well as increase student leadership skills through systematic training. Data collection techniques for collecting primary data and secondary data in research this use a number of method interviews, observations and studies documentation. Interview carried out by the Principal, Deputy Principal in the field of Curriculum, Student Affairs, Public Relations, Teachers, and Community-Based Learning at Sekolah Alam Indonesia Cibinong. Inspection process accuracy validity of the data being processed in study this use technique data triangulation or *triangulate of data resources*.

4. RESULTS AND DISCUSSION

All over activity study will conducted at the Indonesian Nature School in Cibinong. The Indonesian Nature School was originally only a the idea that later realized become a model school with natural as source science, where students play a role in management. School this use framed core curriculum in 3 domains consisting of from: Morals as supplies base children know self, environment and God, Leadership as foundation independence and responsibility answer and Thinking Skill as supplies method think as a problem solver. As school based community, organization activity education no solely become not quite enough answer teachers and foundations but rather the parents of the students. All involved and down hand in overcome obstacles and problems that arise. Enthusiasm togetherness community built with principle your child is my son. Researchers conducted excavation information about the tasks and functions of Community Based Learning at the Indonesian Nature School Cibinong, then curriculum used school and school programs nature used for develop character as well as leadership participant educate.

Although draft school natural own potential big in form character students, implementation of social pillars the culture in it face various challenge. One of the challenge main is diversity background behind students. As institution education that often involves student from various community, school natural must capable create environment inclusive and respectful learning difference. This is need a careful and strategic approach for ensure that every student feel accepted and supported. Limitations source power also becomes significant challenges. Schools nature, which is usually operate with support community local, often facing limitations in matter facilities, manpower educators, and funding. For overcome challenge this school natural need build partnership with various parties, including government, non-governmental organizations, and sectors private sector. In addition, support from parents also become factor important in success implementation values social culture at school nature. Another challenge that is not lost important is dynamics social public around. In some case, difference values and norms between schools and communities local can become inhibitor in implementation of social pillars culture. Therefore that's important for school natural for weave close relationship with public around, involving they in various activities, and ensure that values taught in schools in harmony with needs and expectations public.

Based on Program for International Student Assessment (PISA) report 2022, scores literacy and numeracy Indonesian students still is below the average of OECD countries, which is one of the reason mainly is quality teaching is not optimal (Alfaruqi & Nurwahidah, 2025). Many teachers experience difficulty in apply method learning innovative, adaptable self with diversity students, as well as utilise technology in the teaching and learning process (Gumilar et al., 2023). Conditions this confirm that improvement teacher quality must be become priority in policy education national. One strategy that can be implemented is strengthening climate organizations in schools as well as improvement literacy culture power educators. With create

environment work that supports and equips teachers with greater understanding Good to diversity culture students, it is expected quality learning can increase in a way significant (Ministry of Education and Culture, 2023). More carry on further , literacy culture become factors that are increasingly significant in increase quality teaching in Indonesia. As a country with diversity high culture , deep understanding about culture student become aspect important for teachers in creating an effective learning process (Istiqomah et al., 2023). Literacy culture own role important in increase teacher performance (Dharma, 2022), especially in create environment inclusive and enhancing learning involvement student.

Based on results search early , Cibinong Indonesian Nature School freed participant educate For explore , experiment and express without restricted partitions walls that restrain desire know they . School natural This prioritize three main material in draft his education that is morals Karima (attitude) life), philosophy knowledge knowledge (logic thinking) and practice leadership . Learning that is carried out with the Community Based Learning model. School this also does learning eye lesson outbound with school unique nature For increase leadership children . That 's what makes the difference school This with school others . So, reviewing effectiveness literacy culture through organizing community based learning at the Indonesian Nature School Cibinong with highlight second factor this research This make an effort give contribution for development quality service education based on community-based learning. School natural appear as response critical to system education conventional which is still emphasizes uniforms , exams , and standards the same curriculum for all all . Innovation This No only just alternative in method teaching , but originate from desire For return experience integrated and comprehensive learning for children who have been This separated by distance between room class and life real . Research latest show How school based nature -based schools are successful integrate education environment and formation character, forming adaptive, initiative , and self - sufficient students own empathy and caring social (Yusuf and Fajari , 2025). Nature School is basically is form education alternatives that use natural universe as place learning , materials teaching and also as object learning , with draft school natural participant educate expected Can Study from natural environment around and hook lesson as well as its implementation . In addition , the research results This show that community Study play a role significant in increase competence teacher pedagogy . Through share knowledge , experience , and collaboration , community This push innovation learning and improving quality education . In addition , the teacher's orientation is more focus on the learning process and results Study students , as well as culture strong collaborative , become key success community Study in increase teacher performance. With Thus , the effectiveness community Study as receptacle improvement teacher competence and professionalism are necessary improved to produce power reliable , competent and skilled educators use technology latest research This can become base For designing policy or programs that can repair quality service school as well as increase competence Literacy School Culture . With thus , it can created environment learn more conducive and effective as well as results study This expected give input about policy education that can repair environment inclusiveness school as well as increase quality education at the level school natural with learn network school natural archipelago . Research this can also used as reference in training program development for teachers who emphasize understanding culture in learning.

CONCLUSION

Each learning model Certain own different advantages and disadvantages (Mahananal, 2019) This classified based on need students and teacher readiness . As for what becomes excess use of learning models based environment is student No bored with what is learned , students get knowledge and understanding with method observe yourself , and grow love student to environment (Safira et al., 2020). With Thus, it can be said that with learning models based

environment student will more understand himself themselves and their environment. In addition to having advantages, learning model based the environment also has weaknesses. Ali, et al., (2018) revealed that "weakness learning based environment among others that is need more power and only can be used in a number of material learning". What is meant by more energy that is teacher expertise in compile theme material learning that must be customized with environment student learning. Based on From the description above, it can be concluded that learning model based environment own excess namely students can understand himself alone. Teachers are made difficult with method determine material learning that must be in accordance with student environment. Generation young own role important in preservation something culture, with hope that they can continue inheritance the to generation next. Concerns about potential erosion culture national by the global culture that continues develop in line with progress technology communication become something issues that need to be addressed get attention (Surahman, 2016). Therefore that, is necessary education literacy culture at school base as effort For guard sustainability culture national. learning process at the Nature School students experience direct from every activities carried out so that they get experience from what is done. Nature School is school with draft education that adheres to philosophy base that man is management and maintenance nature to balance and use natural as the main medium of learning. Learning at Nature School makes natural as source Study main with make theme as unifier eye lessons. Learning only can ongoing with Good If executed in the environment or nature is capable accept soul, mind, body and everything feeling students. Activities Study together natural must take places in the area local, actual and contextual Activity learning in nature open beneficial For increase courage in act and opinion. Outbound activities form pattern creative thinking, as well as increase intelligence emotional and spiritual in interact. Activities this will add experience life somebody going to a maturity self.

REFERENCES

- Imtiyas, Hanun J. 2024. Building Character Through Literacy Culture and Nationality Among Students at Siwalan Elementary School. Semarang: Pendas Jurnal Elementary Education Science. Volume 09 Number 03, Print ISSN : 2477-2143 Online ISSN: 2548-6950.
- Heri Maulana. 2016. Implementation of Character Education in Nature Schools. Journal Treasury of Knowledge. Volume 7, No. 1: 21-31.
- Lloyd, Amanda., and Gray, Tonia. 2014. Place-Based Outdoor Learning and Environmental Sustainability within Australian Primary Schools. Journal of Sustainability Education. [On line]. Available : <http://www.susted.org/>. [accessed August 4, 2017].
- Pramana, AME, & Trihantoyo, S. (2021). Formation Character Student Through Culture School At the Elementary School Level. Journal Inspiration Educational Management, 9 (3), 764-774.
- Rachmadyanti, P. (2017). Strengthening education character for student school base through wisdom local. JPsd (Journal of Elementary School Education), 3(2), 201-214.
- Ulya, VF, & Anisah, Z. (2021). Formation mark character integrity through movement literacy school for MI/SD children. PREMIERE: Journal of Islamic Elementary Education, 3(1), 43-56.
- Yusuf, R., Sanusi, S., Razali, R., Maimun, M., Putra, I., & Fajri, I. (2020). Review Literacy Culture and Citizenship High School Students in Banda Aceh City. Journal of Civic Education Undiksha, 8(2), https://ejournal.undiksha.ac.id/index.php/JJ_PP/article/view/24762_91-99.
- Nudiati, D. (2020). Literacy As 21st Century Life Skills in College Students. Indonesian Journal of Counseling, Learning 3(1), Education and 34-40. <https://doi.org/10.31960/ijolec.v3i1.561> García Ochoa, G.,
- McDonald, S., & Monk, N. (2016). Embedding Cultural Literacy in Higher Education: a new approach*. Intercultural Education, 27(6), 546-559. <https://doi.org/10.1080/14675986.2016.1241551>.
- Juardi, I. and Dewi. 2024. Implementation Literacy Culture and Citizenship at Pasir Bitung State Elementary School. West Java: Journal Accountancy Management Tourism and Learning Counseling. Volume 2 No. 1 February 2024.

- Desyandri , D. (2018). Local Wisdom Values for Growing develop Literacy Culture in Elementary Schools . Elementary Schools : A Study of Educational Theory and Practice , <https://doi.org/10.17977/um009v27i12018p001>. 27(1), 1–9.
- Hasan, M., Nurtrida , N., Arisah , N., & Nuraisyiah , N. (2022). Implementation Culture Literacy Through Optimization Libraries in Elementary Schools . Journal Eduscience , 1(2), 48–58. <https://doi.org/10.36987/jes.v9i1.2517>.
- Helaluddin , H. (2018). Literacy Design Culture in Indonesian Language Learning in Higher Education . Estetik : Indonesian Language Journal , 1(2), 101. <https://doi.org/10.29240/estetik.v1i2.582>. 50 51
- Maimun, M., Sanusi, S., Rusli, Y., & Muthia , H. (2020). Internalization of Values Character Nationality Through Literacy Culture and Citizenship in Schools Senior High School (SMA) of Banda Aceh City. CIVICUS: Education Research-Service Pancasila and Citizenship Education, 8(1), 8. <https://doi.org/10.31764/civicus.v8i1.1789>.
- Rapanta , C., Vrikki, M., & Evagorou , M. (2021). Preparing Culturally Literate Citizens through Dialogue and Argumentation: Rethinking Citizenship Education. Curriculum <https://doi.org/10.1002/curj.95>. Journal, 32(3), 475–494.
- Sari, DA, & Supriyadi, S. (2021). Strengthening Literacy Culture and Citizenship School Based in School Junior High School . Citizenship Journal : Publication Media for Pancasila and Citizenship Education, 4(1), 13. <https://doi.org/10.12928/citizenship.v4i1.19409>.
- Asiyah, Yusnar , et al . 2019. Islamic Curriculum and Culture in Nature Schools . Bogor: Tadbir Muwahhid ISSN 2579-4876 e-ISSN 2579-3470 Volume 3 Number 1, April 2019.
- Widiastuti , et al . 2024. Empowering Local Communities to Help Solve Plastic Waste Through Education and Recycling Solution. Sebelas Maret University Indonesia: DEDIKASI: Community Service report – 6(1) – January 2024, pp13-19.
- Kumar, B. (2012). Theory of planned behavior approach to understanding the purchasing behavior for environmentally sustainable products. Working Paper - IIM Ahmedabad.
- Widyaningrum , R. (2016). Formation character care environment student school base through school caring and cultured environment .
- Widya Wacana : Journal Science , 11(1), 108-115. Williams, H. (2011). Examining the effects of recycling education on the knowledge, attitudes, and behaviors of elementary school students.