

Implementation of Character Education in Learning Natural and Social Sciences in Grade IV Elementary Schools

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Abstract. Social Sciences (IPS) and Natural Sciences (IPA) are subjects that play a role important to form inhabitant country Which good in a nation. Therefore , learning Knowledge *Social Studies* and Natural Sciences are very much needed in schools, especially at the higher education level. basic, where basic education is the foundation of understanding and science about how to live socially in the community environment. This research aiming For to obtain Implementation Learning Social Sciences and Natural Sciences towards formation character students in i School Base. By using the literature study research method. The results of this study can know the character is an individual's nature, personality, character and behavior someone in someone's life. Character is a major aspect in to form the quality of a person to become a noble person. To produce participants educate Which quality, namely a person who is able to think critically, creatively, logically and take the initiative in facing problems symptom And social problems Which develop in society, Natural and Social Sciences (IPAS) education has a very important role.

Keywords: character education, social science, natural science.

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INTRODUCTION

In life in various countries, education is Wrong Onematter which is very important. Education plays a very important role in determining and guiding a person's future and determining the direction of human life. Although Not everyone thinks so, but education remains human needs numberone. Talent And a person's skills will be formed and sharpened through education undertaken throughout his life. Education is also generally used as a tool to measurethe quality of every human being. In Latin, education means *educational* Which originate from say “E” And “Duco”, “E” means development from outside ordevelopment from A little to many, whereas “Duco” It means currently developing. Based on that, education Can Also referred to as effort For develop ability self. (Adi Winanto, 2016)

According to Wikipedia, educationis learning knowledge, skills, as well as habit a group of people descended from One generation to generation furthermore through teaching. Meanwhile, according to the Big Indonesian Dictionary (KBBI), education is process change attitude And order in demand somebody or a group person in effort mature humans through ateaching and training. (Pradana et al., 2021) According to Ki Hajar Dewantara , he said that understanding education is demands grow And developmentchild. (Hardiansyah & Mas'odi, 2022) This means, education is effort For to guide strength nature on selfevery child so that they are able to growAnd develop as man and also as member public Which Can reach safety And happiness in life they.

Objective Education National Whichstated in Law No. 20 of 2003 state that objective

education is to create an atmosphere of learning and learning process so that students in a way active can develop his potential to have power spiritual religious, control self, personality, intelligence, morals glorious, as well as skills Which required himself, public, nation And country.

Based on purpose education said, then the government make an effort For increase quality education in order to produce source Power man Which intelligent, quality, character and culture. (Setianto, 2019) Improvement quality source Power man can taken through repair system education Which leading on formation character student since level pre-school until college high. Formation character is efforts to improve student behavior are carried out continuously, Which involving aspect *knowledge*, *feeling*, and *acting*. Science Natural and Social Sciences (IPAS) is eye lesson Which play a role important in forming citizens Which Good, so learning Knowledge Natural and Social Sciences (*natural and social science*) very much important to learn on level education base, Where education base is placement base/ foundation understanding And science about How life socialize. Because in elementary school, students come from different environments, besides that, each student also has concern for environment social, have knowledge And understanding about social of educational values national character. (Chowdhury, 2016) Based on this explanation, of course the introduction and strengthening of Knowledge Natural and Social Knowledge must continue to be developed as deep as maybe, for forming the character of students in the school environment. There are three objective learning Social science for student, namely so that each student becomes inhabitant public Which Good, practice student capable think ripe For face And solve social problems, so that students can inherit and continue the culture And ideals nation Indonesia. (Hermanto et al., 2019)

Character education is a very important element in the education system in many countries, especially the most essential part of the Independent Curriculum in the education system in Indonesia. The Independent Curriculum launched in 2022 aims to promote the development of individuals with good morals and strong characters as part of the 5C Skills (*critical thinking*, *communication*, *collaboration*, *creativity*, and *character*) (González-pérez & Ramírez-montoya, 2022; Ulfa et al., 2021). Furthermore, the implementation of character education in the national education system is based on Pancasila and the 1945 (Ansori, 2021) Constitution as the nation's ideology which outlines five fundamental principles, namely: belief in one God, humanity, unity, democracy, and social justice, and at the same time becomes the basic principle for character education in the Independent Curriculum. In addition, the basis for character education is also based on Presidential Regulation No. 87 of 2017 concerning Strengthening Character Education (PPK) (Tanto et al., 2019) which emphasizes that parents and educational institutions have a great responsibility in implementing children's education (Srianita et al., 2019). In terms of national education, the

main objective of character education in the Independent Curriculum is to cultivate and develop moral values, attitudes, and behavior of students to create responsible citizens who can contribute positively to society, which should be a special concern for education practitioners (Affandy et al., 2019). In terms of psychology, the formation of children's character is reflected in the important unity between the subject and behavior and attitudes in their lives (Affandy et al., 2019), in this case, the relationship between students and students, students and teachers, and students and their environment.

Through learning Science Natural and Social Sciences, students are taught to become inhabitant country Indonesia which Good And full peace. Natural and Social Sciences are needed for success transition life going to a more mature life in an effort to form character nation Which in accordance with principle And Spirit national. With Thus, in natural and social sciences learning is trained For finish problems social with a holistic approach and integrated from various corner view. Character learning process in learning Social science more directed at aspect knowledge, skills and behavior. There is three aspect in learning Which must achieved that is; " a) *knowledge , which is a body of fact and principles ; b) skills , which is acquiring an abilities through experience or training ; c) attitude , which is one opinion , feeling or mentally set US demonstrated by one action .* (Leplingard et al., 2003)

Character education is a process to to form, to grow, develop and mature personality child become personal Which wise And responsible answer through habituation thought, heart And action continuously, the results of which can be seen in process learning as well as real daily actions both in school and also in public. Learning Social science own a very important role important in formation character students. In his research Ali Ibrahim Akbar (Rifda Mardian Arif, 2019) explain that success somebody only specified 20% by *hard skills* And the rest 80% by *soft skills* . From This explanation shows that character formation in students is very important. Student Which own strength mentally and have good morals, of course it will can own personality Which characterful. Matter the can differentiate it with student Which other. Learning Natural and Social Sciences in formation character student naturally is not matter Which easy, need struggle Which continuous to produce results that are in accordance with objective education national. (Susilowati, 2022)

(Judiani, 2010) say learning Social science always received attention regarding the role of teachers and condition student. Teacher Still hold control the main thing in learning at school, whereas student only follow directions Teacher. Ironically, student only presented method memorization to learning so that result in Students experience boredom during teaching and learning activities. Process learning Which done the, show that, how learning Social Sciences still Not yet can grow And increase character self student in a way maximum, especially in matter planting indigo- mark character in life everyday that

experienced by students. (Mailizar et al., 2020)

Phenomenon Which happen at this time , me shows existence symptom moral decline that very worrying. Truth, honesty, justice, tolerance, help-helping and compassion has begun becomes an expensive item and is covered by misappropriation, fraud, oppression, each other indifferent not indifferent, take right person other, And Still Lots Again actions deviate others. World education in Indonesia now currently enter very strange times. Flow budget education Which big accompanied various program breakthrough seems to be unable to solve problem fundamental in world of education, namely how to produce education person Which superior, believe, pious, professional And characterful. By Because That, like country develop other, Indonesia is currently try build child character nation For repair image nation while still maintain their cultural identity. (Suhadah et al., 2021)

Education character intended at a time as formation Character. Education character That Alone is A process Which length, namely process learning For to plant values sublime, kindness character, noble morals that are rooted in teachings religion, customs, And values Indonesianness in order to develop personality participant educate so that become man dignified, become inhabitant country Which characterful in accordance with values sublime nation And religion. (Hermino & Arifin, 2020) With thus, students need character education Which will to form character positive. The government through the Ministry Education And Culture Already to initiate education character for all levels of education, from Elementary School until on level College Height. Formation character need done since age early. The emergence idea program education character in the world of education in Indonesia, it is understandable, because during This felt, process education it turns out Not yet succeed build man Indonesia Which character . (Trisanti et al., 2021)

METHODOLOGY

Study This using research models studies literature or library research with approach qualitative . Systematic literature review is the method used For evaluate , determine and interpret all findings problem research in answer questions that have been asked determined (Rosa, 2021). So, Literature study is research conducted with method search and collect a number of journal or articles that have been indexed and relevant with title the research we do .

Study will implemented in odd semester year teachings , research was held at a Private Elementary School located in West Jakarta City, Indonesia. The selection school based on similarities accreditation school , implementation curriculum independence , teacher competence through teacher certification , student IPAS scores , time learning , condition environment study , amount students , and

availability supporting facilities and infrastructure .

Data used in study This originate from books and journals Good library national and international . In carrying out study This researcher do searching for library data published on the internet using search engines using keywords education character, curriculum independence, IPAS. As for the technique data analysis after samples and data collected is as the following : (1) data reduction , namely throw away various things that are not required and focus on what is important ; (2) data presentation, namely displaying the data presented by subsection certain ; and (3) withdrawal conclusion from results findings new the previous one Not yet Once There is.

RESULTS AND DISCUSSION

Character Education Content in Science Learning in Elementary School Grade IV

Thinking is a process that is necessary for individuals to integrate knowledge, skills and attitudes in an effort to understand the environment. This thinking process is basically is activity mentally, activity cognitive Which can process information from environment with symbols or materials stored in *long term memory* . (Jeynes , 2019) . For that, thinking is *the goal directed* that is, thinking about something, to get a solution problem to get something new. In this case thinking can be seen as information processing from existing stimuli (*starting position*), until problem solving (*finish - ing position*) or *goal state* . (Putra, 2017)

From this concept of thinking, in learning thinking skills can be... classified become ability think in a way critical And skills think creative. Students who are able to think critically will produce thoughts that systematic and creative. Therefore, students who think creatively will have a level imagination Which tall so that can lower idea Which innovative And can modify idea and the results created . (Rusilowati & Wahyudi, 2020)

Meanwhile, thinking strategies are higher level thinking processes and can... varies. From every skills Which implemented will own Variety variation different learning according to with ability think participant educate. For That, ability Forformulating thinking strategies is the main goal of the introduction to thinking activities in process learning Which currently ongoing. (Zurqoni et al., 2018)

In a learning experience of Natural and Social Sciences in Elementary School, at least it can be obtained by scientific attitudes and noble values of students so that character can be realized with the concept KBSB, noble attitudes are developed to obtain attitude values which include:

- a. Own interest and curiosity about the environment;
- b. Honesty and accuracy in record keeping and data validation;

- c. Be diligent and don't give up easily;
- d. Becoming easy to respond about the safety of yourself, others and the environment;
- e. Realizing science as meaning understand nature;
- f. Appreciate and practice clean and healthy living;
- g. Appreciate natural inequality;
- h. Being respectful and a good manner;
- i. Appreciating the contribution of science and technology;
- j. Be grateful to God;
- k. Have critical and analytical thinking;
- l. Become flexible and open- minded ;
- m. Be a good and caring listener;
- n. Be objective; and,
- o. Become systematic And cooperative .

Character Education Content in Social Learning in Elementary School Grade IV

Importance character building mandated as written in Law No.20 Year 2003 about System Education National Article 3 states that: Education National serves to develop ability And to form character as well ascivilization nation Which dignifiedin order to make life smarter nation, aims to developpotential student so that become man the faithful And pious to Lord The Almighty, has noble character, is healthy, knowledgeable, speak, creative, independent, and become a democratic citizen as well as responsible answer. (Abdul Haq et al., 2022)

Importance character become problem Which very serious to discuss.Government has insert education character in curriculum 2013. Education character in curriculum 2013 entered in competence core part 1 And 2. Competence Which regarding with attitude religious And social developed in a way No directly (*inderecete*) *teaching*) that is on timeparticipant educate Study about knowledge (competence core 3) And planning knowledge (competency 4). In accordance with the curriculum design 2013 is to focus great attentionon the character in Elementary School before students entering junior high school education leveletc.

Meanwhile, the Independent Curriculum emphasizes the development of critical thinking, communication, and problem-solving skills while promoting the values of honesty, integrity, responsibility, appreciation, and empathy. Instilling these character values in students is a process that includes the introduction, understanding, and application of the values of goodness and virtue in everyday life. This process involves instilling knowledge and awareness of good values, as well as the will and action to implement these values to God Almighty, oneself, others, the environment, and the nation. Thus, the goal of character

education is to form people who are moral and have high integrity in all aspects of their lives. The process of instilling character values that is carried out continuously and consistently since elementary school can help students internalize these values so that they become part of their personality and behavior in the future.

At the Elementary School level, character education in the Independent Curriculum is integrated into all subjects, including Natural and Social Sciences or in this case called Natural and Social Sciences (IPAS). The classroom-based character education approach can be carried out through two types of instructional approaches, namely thematic and non-thematic approaches. The thematic instructional approach is carried out in certain subjects, such as Religious Education and Character Education and Civic Education, which directly emphasizes the development of student character. Meanwhile, the non-thematic instructional approach is carried out outside of these subjects through the integration of character values in the Learning Implementation Plan (RPP) or what is currently called a teaching module. The teaching module consists of introductory, core, and closing activities which are implemented in the *hidden concept curriculum*, where students are taught indirectly in character education (Winterbottom & Schmidt, 2022). However, the classroom-based character education approach in Natural and Social Sciences subjects challenges teachers to integrate students' cognitive, affective, and psychomotor aspects in the material being taught. (Repy Hapyan, 2020)

The character values that developed in the Ministry of National Education there is eight twelve character, between other: religious character, honest, disciplined, tolerant, hard work, creative, independent, democratic, curiosity, national spirit, Love land water, value performance, friendly, Love peace, fond of read, care environment, care social, And responsible answer. (Shapira et al., 2022) . On Elementary School level especially in class low, expected student own five character base, that is : religious, Honest, discipline, independent, And the burden answer. Matter Which most simple what can be done is by means of become example/figure/role model Which good for students. Character education No just row knowledge knowledge, but character education is an action positive from knowledge Which Already obtained. (Elihami , 2021)

Character it can't just be formed , but there are several factors Which influence, that is: factor biological And factor environment. Factors Biological factors are factors that originate from within the person. These factors originate from descendants or default brought since humans were born And influence descendants from Wrong One characteristic Which owned by one of both parents. Then the second factor is the environmental factor , beside factors heredity (*factor endogenous*) Which relatively constant in nature, there are also factors consisting of environment life, education, situation life And condition public (everything is

exogenous factors) very influential in formation human character. (Badrun et al., 2022)

Development character Students are not satisfied if they only refer to books, because the skills of a teacher are needed in arouse democratic feelings , creativity , and independence in students. For example, Teacher need practice student For communicate. (Lilawati , 2017) According to James A. F. Stoner communication is a process man Which try For give understanding And information with convey messageto others. In this case, the teacher's response is very important in shaping behavior students. Critical responses that to humble or to drop student is a matter Which must avoided. Giving praise isa form of response Which effective, but necessary attention , giving attention the must be done with seriously , no only just Chit Chat solely . (Tri Wijayanti & Armyati, 2015)

Learning Natural and Social Sciences in School The foundation plays a very important role in the formation of students' character, because in learning Natural and Social Sciences in School Base, student educated for behave politepolite, ethical, moral, have good morals, act up in demand Which Good and guided on how to mix in community life. ActivitiesSocial Science learning is one of theeye lesson which is very strategic Forto plant values moral to students at school. (Ardianti et al., 2019) . Kirschenbaum confirm, objective end from studies Knowledge Natural and Social Sciences is directed towards the purpose of moral education. Education Social Sciences which is part fromEducation in general plays a very important role in improving quality education. (Amaniyah & Nasith, 2022) . By special education Social science play a very important role inproduce participant educate Which quality, namely people who are able to think critically, creatively, logically and take initiativewhen facing symptoms and problems social development in society Which caused by by development technology in era global. (Tursinawati et al., 2022)

Basically, studying Natural and Social Sciences is develop knowledge, mark, attitude, as well as skills social owned students to be able to examine life social problems encountered in everyday life objective so that student capabledvelop knowledge, mark, attitude as well as skills social Which useful for him in the future. Thus, Natural and Social Sciences education cannot avoid task development moral And ethics. In learning Natural and Social Sciences, one of the things what is very important to note is method learning. During This, Social Science learning methods that are developing in school is method functional. (Aningsih et al., 2022) As for criteria from method functionalthe, that is: (1) standard rigid objectivity, (2) refers todevelopment cognitive, And (3) Teacher more Lots chase target which is only oriented on mark exam end, so that result student more Like memorizing material rather than understanding essence from knowledge Which delivered Teacher inclass . (Ardianinsi , 2018) . In fact , students more need fun and student - centered learning , not on the contrary . With fun learning , students will Study with spirit and

not fed up memorize material presented by the teacher in class . Student - centered learning also provides very significant impact For to plant character of the participants educate . Because when learning student - centered , students will think critical and exploratory teaching materials and given problem moment activity Study teach ongoing . When completing problem or complete the project given by the teacher, then students will also work together, deliberate , think critical , taking decision , tolerance and nature his independence sharpened , and Still Lots Again character positive that can embedded in activities Study teach the .

CONCLUSION

Natural and Social Science Lessons in Elementary School can to form character protege, Becausein learning Natural and Social Sciences student taught to be polite polite, ethical, moral, have good morals, act up in demand Which good and how to mixwith public. Learning Natural and Social Sciences are Wrong One eye strategic lessons For instill values- mark moral to participant educate. John Dewey to put forward that process and objective end *social science* mustculminating in the realization of morals in develop personality Human. Education Science and Social Sciences play a very important roleimportant in producing students Which quality, that is the human being who think critical, creative, logical and take the initiative in facing the symptoms and problem social Which develop in public .

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