



Management of Education Curriculum in Improving the Quality of Learning in the 21st Century

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A B S T R A C T

The modernization era has had an impact on education in the 21st century marked by the existence of technology behind learning and the use of technology in all fields of learning activities. The influence of technology that continues to develop creates new demands for an industry and employment so that prospective workers are able to meet the needs and qualification standards of ability to use technology. So to make developments in improving the quality of 21st century learning, an application of technology is needed. The quality of learning in the 21st century which is very limited will be more dynamic and not limited by the presence of technology. To develop and improve the quality of learning in the 21st century, it is necessary to adjust and improve the learning curriculum to be able to harmonize and apply and fulfill all the skills needed by students. Changes in the curriculum to improve the quality of learning in the 21st century must be carried out thoroughly, both in the internal and external curriculum. Changes in the education curriculum in improving the quality of learning in the 21st century will help answer all the challenges and difficulties of students in facing the demands of the industrial world in the future.

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1. Introduction

The Indonesian nation is one of the countries that upholds and prioritizes education in completing its mission to become a developed, developing, and prosperous nation so that every educational activity continues to be carried out with proper development and monitoring so that it remains desired. As for a developed nation, of course, it must be supported by the forerunner of the nation's children as human resources (HR) who have good potential, are intelligent, creative, innovative, disciplined, diligent, and have good ethical and moral standards. All the achievements of good human resources (HR) are of course from good education, so teachers schools and every staff must be given good curriculum standards to achieve the goals desired by a country.

One of the demands of the state that occurs due to the development of the world towards technology makes all activities must be adapted to the times. The world's development of technology is called the 21st century (Aliyyah, 2020). In the 21st century, which is commonly known as the century of the year everything and everything digital began to be used actively by many people. Where in those days communication between countries, and regional boundaries had used sophisticated technology, even that technology had also been implemented and became a basic need by everyone, one of which was called a smartphone. So that in a matter of seconds all developments and things that happen in this world will be more widely and freely displayed, so that much more

detailed information is found and includes the learning process to be faster regardless of time, place, and space.

So education must answer the challenges of the 21st century much better and more systematically by adjusting and improving the learning curriculum in improving the quality of education in the 21st century (Rawung, 2021). The importance of improving the educational curriculum to improve the quality of 21st-century learning is due to the demands of the industrial world on the ability of a person or prospective new worker to meet the qualifications of the ability to technology to meet the requirements and needs and challenges of the industrial world or employment where every aspect of work is inseparable from the intervention of technology, especially computer technology.

The task of educators today is to focus on the developments and challenges of today's 21st century by managing the education curriculum so that the quality is further improved with the result that students can apply the world's challenges to technology. The learning curriculum management that must be improved to answer the challenges of the 21st century is in the form of "skills needed to be able to exist and can be used as provisions towards a better standard of living, many of them are critical thinking and analysis, problem-solving, innovation, communication skills, and others" (Rasto, 2018). All kinds of knowledge must be developed in the curriculum and taught to students so that students have complete skills and abilities as provisions for a more prosperous life.

2. Research Methods

This research was conducted based on the situation and information contained in various journals on the internet. And other sources from the website. Trusted scientific publications and other sources. This study looks at the challenges of the curriculum that must be adapted to improve the quality and quality of learning in the 21st century. An explanation of the educational curriculum that should be applied to solve problems is carried out. The technique used in this research is to summarize existing sources from various leading sources listed in previous research related to improving the quality of the curriculum in responding to the 21st century (Albi, 2018).

3. Results and Discussion

Before discussing improving the quality of learning in the 21st century, of course, it must have a basis and benchmark as a reference in carrying out tasks and orders in education or implementing rules called "curriculum" along with several curriculum statements: 1) The curriculum is a "social fact" in the sense that "used by the French sociologist and Professor of Pedagogy, Emile Durkheim which means that the curriculum as a 'social fact' can never be reduced to individual actions, beliefs or motivations". 2) The curriculum can be interpreted as "a distance that must be traveled by a runner from the start line to the finish line to get a medal or award. Then, in meaning, the curriculum is defined as "a plan of learning", namely a set of learning plans. formulated as several subjects that must be taken to get a diploma or graduation statement from all learning targets that have been designed. 3) In Law Number 20 of 2003 concerning the National Education System, it is explained that the curriculum is "a set of plans and arrangements regarding the objectives, content, and implementation of learning activities to achieve certain educational goals. So that the curriculum is a learning plan that contains the objectives, content, and implementation of learning activities to achieve educational goals. A curriculum is a special knowledge that is organized to be transmitted from one generation to another.

A curriculum is also defined as everything that can be taught and learned by students at various stages and different ages. To carry out curriculum management it is necessary to see and observe social conditions and conditions and developments of the times that must be known beforehand. To develop the curriculum, many challenges must be faced in the form of finding out information that develops among technology, knowing skills, sharpening skills and abilities, and creating competencies that must be applied in society to technology.

From the information above, the curriculum that must be developed in education to improve the quality or quality of learning in the 21st century will be formed in a framework or work stage Volume 10 Number 1 the Year 2021 as follows: 1) Ability to "think critically and solve problems, be able to think critically, lateral, and systemic, especially in the context of problem-solving. 2) Ability to communicate and cooperate, able to communicate and collaborate effectively with various parties. 3) Critical thinking and problem-solving skills, ability to think critically, laterally, and systemically, especially in the context of problem-solving. 4) Ability to communicate and cooperate, able to communicate and collaborate effectively with various parties. 5) Ability to create and renew, able to develop their creativity to produce various innovative breakthroughs. 6) Information and communication technology literacy, able to utilize information and communication technology to improve performance and daily activities. 7) Contextual learning ability, able to carry out contextual independent learning activities as part of personal development, and. 8) Information and media literacy skills, able to understand and use various communication media to convey various ideas and carry out collaborative activities and interactions with various parties. The 21st-century skills that are indispensable for graduates to excel and compete in the 21st century have been identified by The Partnership for 21st Century Skills".

4. Conclusion

Based on the description above, the conclusions in this study explain that the curriculum is an activity and a goal that is directed to achieve the learning targets that will be given to students to be able to achieve the goal of meeting the needs of employers and the demands of the world of work. And the 21st century, which is a world full of technology and every work is done digitally, requires students to be able to adapt to technological developments in the future. There is an adjustment in curriculum management in the 21st century, namely an adjustment to learning by applying computer systems and science in learning every educational curriculum.

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