



ANALYSIS OF DIGITAL INFORMATION TECHNOLOGY IN IMPROVING THE IMPLEMENTATION OF THE INDEPENDENT CURRICULUM

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ABSTRACT

technology is a innovation and development results from its creators. Digital technology delivers maximum convenience for humans to fulfill various his needs Digital technology is a system Fast counter with processing information form digital codes or values numeric. Before processing , will sensors are required to change information real become digital code. From the results of digital data processing, the information will be displayed on the screen .Implementation of the Independent Curriculum (IKM) is one of the priority programs across main units within the Ministry of Education, Culture , Research and Technology (Kemendikbudristek) involving the Curriculum Standards and Educational Assessment Agency (BSKAP); Directorate General of Early Childhood Education , Basic Education and Secondary Education (Directorate General of PAUD Dikdasmen); Directorate General Teachers and Education Personnel (Directorate General of GTK); as well as Directorate General (DG) Vocational .

Keywords : Digital Information, Technology, Implementation of the Independent Curriculum

INTRODUCTION

Information is very important for life human . If before man get information in a way go to the library , read a book, read newspaper , or watching direct something event (Neuman & Celano, 2015). In this era of modernization , humans can get information easily _ through technology digital information (Utami, 2021). In the Introduction book Knowledge Library (Sulistyo et al., 2020) mentions that technology Information is a technology used to produce , store , process and disseminate information . So technology digital information is technology management information in digital form through the digitization process (Channgam et al., 2019). Reported from Forbes, digitalization is the takeaway analog information and coding it become zero and one (binary language) so computers can store , process , and transmit information that (West et al., 2019).

Tools no longer using power humans , but more on systems operation automatically with the system computerization (Zuehlke, 2010). Basically , digital technology is _ system super fast counter that processes all information as values numeric (Hilbert & López, 2011). Digital technology is a tool with a system computerization (Adamyk et al., 2018). By In general , technology can be interpreted as something science related to tools or machines created to make things easier to complete problem or job everyday (Potkonjak et al., 2016). So that expected to attend digital technology is capable bring good influence on life (Sheth, 2020). His presence digital technology own influence big in life daily human . Almost certainly _ everyone now has too _ depend on digital technology (Hanson, 2007). The reason is , every day We need technology to live activity everyday . Initially Technology is only limited to tangible objects such as equipment or machines . However , along _ the passage of technological time experience sufficient development _ significant , including with digital technology . Digital technology is a innovation and development results from its creators . Digital technology delivers maximum convenience _ for humans to fulfill various his needs Digital technology is a system Fast counter with processing _ information form digital codes or values numeric . Before processing , will sensors are required to change information real become digital code . From the results of digital data processing , the information will be displayed on the screen (Dewi et al., 2022).

Technology telecommunications or also commonly called Telecommunications is technology related to communication _ long distance . Technology this is what makes it possible someone can send information or receive information to or from the other party is located far apart . This technology makes distance like it doesn't exist . Hundreds or even thousands of kilometers is not become barriers to communication online because _ its presence (Patisera & Hidayatullah, 2019). Technology Digital communication is technology based signal electric computer , the signal nature intermittent and using system binary numbers . The binary number will form representing codes _ something information certain . After through the digitalization process incoming information will changed become series binary numbers that form information in form digital code . The digital code will later be capable manipulated by computer . An example is an image the video camera has changed become digital form (Lim et al., 2007).

The Independent Curriculum is a curriculum with learning diverse intracurricular where the content will be more optimal for participants educate own enough time to explore concept and strengthen competence . Teachers have freedom to choose various teaching tools so Learning

can be adjusted to suit needs learning and interest participant educate . Project to strengthen achievement profile Pancasila students are developed based on theme certain conditions determined by the government . Project It is not directed at achieving achievement targets learning specific , so it is not tied to eye content lessons (Kemendikbud, 2022). Implementation of the Independent Curriculum (IKM) is one of the priority programs across main units within the Ministry of Education, Culture , Research and Technology (Kemendikbudristek) involving the Curriculum Standards and Educational Assessment Agency (BSKAP); Directorate General of Early Childhood Education , Basic Education and Secondary Education (Directorate General of PAUD Dikdasmen); Directorate General Teachers and Education Personnel (Directorate General of GTK); as well as Directorate General (Directorate General) of Vocational Studies (Kemendikbudristek , 2023).

Implementation of the Merdeka Curriculum for recovery learning done based on policies the following :

Permendikbudristek No. 5 of 2022 , namely Standard Competence Graduates in Early Childhood Education , Elementary Education , and Secondary Education . Standard competence graduate of is minimum criteria about unity attitudes , skills and knowledge that demonstrate achievement ability participant educate from the learning outcomes at the end level education . SKL becomes reference for the 2013 Curriculum, Emergency Curriculum and Independent Curriculum.

Permendikbudristek No. 7 of 2022 , namely Content Standards for Early Childhood Education , Primary Education Levels , and Secondary Education . Standard fill developed through formulation room scope material that is in accordance with competency graduate . Scope _ material is a study material in the content formulated learning _ based on : 1) load must in accordance with the provisions regulation legislation ; 2) concept science ; and 3) path , level , and type education . Standard fill become reference for the 2013 Curriculum, Emergency Curriculum and Independent Curriculum.

Permendikbudristek No. 56 of 2022 , namely Guidelines Implementation of Curriculum in the Context of Recovery Learning . Load three option curriculum that can be used in the unit education in order recovery learning along with Independent Curriculum structure , rules related learning and assessment , as well burden teacher work .

Decree of the Head of BSKAP No.008/H/KR/2022 of 2022 , namely Achievements Learning in Early Childhood Education , Basic Education and Secondary Education , in the Independent Curriculum. Load Achievements Learning for all levels and eyes lessons in the Independent Curriculum structure .

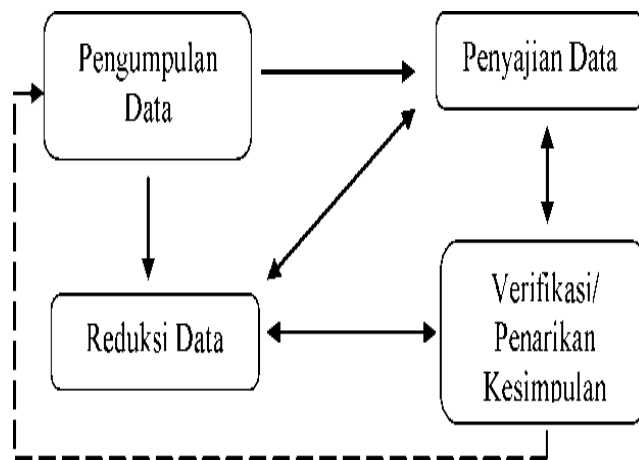
Decree of the Head of BSKAP No.009/H/KR/2022 of 2022 , namely Dimensions , Elements , and Sub Elements Profile Pancasila Students in the Independent Curriculum. Load explanation and stages development profile Pancasila students which can be used especially for projects strengthening Pancasila students (Freedom of Learning , 2022).

METHODOLOGY

The method used in this research is a qualitative method. The object of this research is analysis Digital Information Technology in Improving the Implementation of the Independent Curriculum . Observation can be interpreted as a data collection method that involves observing

and recording behavior or situation certain without interaction directly with the subject. Observations can be carried out in various ways context , such as in the field , in the laboratory , or via video. Interview is an involving data collection method interaction direct between researcher and subject. In interviews , researchers submit questions and subjects provide answer in a way verbal . Interviews can be conducted in a way stare face or through telephone or video.

The next stage after the data collection stage is the data reduction stage. At this stage, data that is considered irrelevant and has no correlation to the research will be reduced. Some of the data that is reduced at this stage is data on teacher status and rank and data regarding infrastructure that is not related to the research being conducted. The next stage after data reduction is data presentation. The data presented must be data that has the possibility of research analysis. In this research, the data presented is data in the form of a number of matrices regarding Utilization Information Technology in Support Transformation of Education in Indonesia . The final stage is the stage of drawing conclusions which will then be used in the discussion in this research. The data analysis process can be described through the scheme in Figure.



Picture. Analysis Process Scheme

a. Data Collection Techniques

Interviews and Observations

b. Documentation

Review supporting documents _ sourced research _ from archive .

c. Data Source

technology (IT) teachers and teachers .

d. Research Location

Place or location This research is PAUD, Kindergarten, Elementary School, Middle School, High School and Vocational School.

e. Procedure Analysis used

Procedure The data analysis used is According to Miles and Huberman (2014), it is most often used to present data in research qualitative .

1. Presentation results.

The final step is serving research results. Research results form score However can be served in table or chart form To make it easy for readers to understand research results.

2. Conclusions, and suggestions for next study.

RESULTS AND DISCUSSION

Year 2022/2023 new school starts , there are 143,265 schools from various regions in Indonesia have registered to start implementing the curriculum freedom in activities Study teach him . To avoid misconceptions about curriculum implementation independent , as it were complaints filed _ to the Central Merdeka Curriculum Implementation team that unit education must or is mandatory carry out curriculum independence in _ teaching 2022/2023; Unit education that implements the Merdeka Curriculum pathway independent given guidance technical tiered (*cascading*) from central to regional , continuing to school level , parties Ministry of Education and Culture has do various effort , one of which is doing synergy with the government area , to be able to see in a way direct implementation of the curriculum independence and utilization of the Independent Teaching Platform in the unit education .

The Merdeka Curriculum is carried out in order restore learning through meaningful, fun and relevant learning according to characteristics unit education so that realization Reasonable Pancasila students critical , creative , independent , faithful , devout to God Almighty, and have good morals noble , working together, as well global diversity . (Doc: Strategic Plan Directorate of Basic Education Teachers 2020-2024). One _ way to create meaningful and quality learning expected in the curriculum _ independence is through oriented learning _ needs , abilities , and characteristics every students . Various learning models teachers can make variations _ meaningful learning , as well involve student in a way active at a time grow interest Study students . Learning model the among them based project , inquiry , learning model cooperative type *Window Shopping* - science shopping project by looking the work of other groups , as well as outside learning _ class etc. _ This learning model has carried out by driving teachers and in schools mover .

Technology in the Learning Process Differentiate

Technology in a way general interpreted as anything that can provide We convenience in abundance p . Technology also has impact big on education . Second this thing becomes increasingly inseparable _ Because mutual roles _ related . Technology can be used tools by educators to simplify the educational process . Apart from that, students can also explore more knowledge and carry out different learning processes . Learning in class can be made more fun by applying innovation presence - driven learning _ technology . In the era of digitalization nowadays , almost all access information and material can be found in cyberspace either by accessing it A page nor application . The Ministry of Education and Culture is very aware need at this time , because by utilizing technology can reach as well as distribution broader policies , as well optimizing the implementation of the Merdeka curriculum through the learning process differentiate .

During learning differentiated , there must be environment a supportive class where everyone is in class will welcome and feel accepted , everyone mutually respect , students feel as safe as possible in his class . Teaching to achieve success students . There is a sense of equality within form real by students , teachers and students work together to succeed , (Jamoliddinova, 2019). Utilization technology can be teacher's choice to implement learning differentiation within the classroom .

Various ways use technology in creating learning products/content including the use of educational videos , audio learning , interactive multimedia , and the emergence of Virtual Reality (VR) and Augmented Reality (AR). Teachers and students can get these contents prepared Ministry of Education and Culture by accessing the Rumah Belajar Portal .

By Independent teachers can also get everything through the Merdeka Mengajar Platform . Independent Teaching Platform presented to make teaching easier for teachers in accordance pupils' abilities , providing training to improve competence , as well work to inspire colleague colleague . To give access to every teacher gets training of the same quality , providing facility share inspiring good practice , leveraging teaching tools available for direct use used / exemplified , occasion Study according to the teacher's needs and pace , it becomes receptacle communication and networking of teachers between regions and getting information as well as document latest teacher needs .



Proof of the work of the Independent Teaching Platform source : Instagram @kemdikbud.ri

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Proof of the work of the Independent Teaching Platform source : Instagram @kemdikbud.ri

Initial steps carry out the learning process differentiation is by doing Assessment beginning to students, the teacher doesn't need to bother preparing the questions, because everything is already there available on the platform. Not only that, teachers can also take advantage feature other things available such as teaching tools , training independent , proof of work , forming and joining a community until information about curriculum independent .



Work Week Schedule on the Merdeka Mengajar Platform source : Instagram @kemdikbud.ri

Even Not only that, in the work evidence features teachers can find creation and practice teach creative that can be inspiration for other teachers. For teachers and schools in special areas , the Directorate General of GTK , Ministry of Education and Culture has distribute disk release (flash disk) to 674 units education in special areas as well _ has register organizing curriculum implementation independence in _ new teachings , but have not yet carried out the activation and *login* process on the Merdeka Mengajar (PMM) platform because constrained infrastructure and territory. Unit education then can access device disk This is hard to get and learn all over material on the Merdeka Mengajar Platform , so you can get it information , modules , teaching materials, up to assessments contained in the Merdeka curriculum .

NO	JENJANG	JUMLAH
1	PAUD	31
2	SD	549
3	SMP	61
4	SMA	18
5	SMK	15
Jumlah		674

Distribution table disk off to unit education in special areas

Transformation Independent Curriculum Learning

Implementation objectives education in essence is to prepare student in a way whole to make sense of live and answer challenge the life he faces . Learning as a core educational process must be carried out by positioning students as actors key . Therefore , activities _ learning can be done with sufficient awareness , motivation and goals to participate _ active (Hardika, 2012). Transformation Learning is a learning process that brings students are closer to reality ,

presenting knowledge in a way critical and reflective , then positioning teacher as facilitator to lead and encourage the learning process (Insiyah, 2018). Learning objectives transformative should be understood as returning mission beginning education , that is form man completely . Not just to develop capacity critical individual students in p aspect cognitive , emotional and spiritual, but also to relate them to the framework society and the environment in which they live looking self they yourself .

In context technology education , media or materials as sources Study is system components learning alongside messages , people, techniques , contexts , and devices . Media in the process of development comes in a variety type and format (print , film, television , video, radio/audio, computer , internet, etc.), with characteristics and advantages as well as their respective shortcomings . In his media taxonomy , *Rudi Breetz* divides 8 media classifications , namely dynamic audiovisual media , silent audiovisual media , semi- dynamic sound , animation , still images , semi- animation , sound and printing (Sadiman Arif, 2021). Transformation learning in the world of education in Indonesia is currently in the Independent Curriculum implementation ecosystem , namely the Merdeka Teaching Platform , webinar series , Community Learning (in the area and online), Resource Person good practices , *helpdesk* and Development Partners.

Curriculum implementation ecosystem independent give space on utilization technology and media to provide room flexibility for unit education in making curriculum contextual operations , so _ applied learning _ according to needs Study participant educate , can also encourage schools , teachers, and parents to create environment more independent , innovative and creative learning . So that expected students believe more yourself , more enthusiastic about studying at school and able develop talent in accordance interest students .

Synergy and Joint Collaboration

Ministry of Education and Culture Keep going intertwine synergy and collaboration together government area , service good community level center as well as in the regions in implementing the curriculum independent of the unit education . Through owned ecosystem _ of them more than 18 thousand school mobilizers , more than 16 thousand mobilizer teachers spread throughout Indonesia , partners development , Rumah Belajar Ambassador , *Captain and Co Captain of Belajar.id*, Developer Technology Learning (PTP), as well as implementing units technical (UPT) in areas owned by the Ministry of Education and Culture . Commemorate day resurrection technology national , utilization technology in the process of transformation learning in Indonesia has become challenge together to be *problem solver* in accompanying unit education for curriculum implementation independent . In doing so you can take advantage progress technology that is presented to present innovation learning that answers the needs of the country.

CONCLUSION

Digital Information Technology in Improving the Implementation of the Independent Curriculum has give impact major digital transformation , especially in the world of education . Teachers are required to follow the transformation the so learning still walk according to developments digital technology . There are several ways to develop teacher competence in use technology in practice learning especially in the curriculum Independence which is used today , among others namely by attending teacher training , teacher certification , and coaching *in-house training* . By maximizing things With this ,

teachers will be more professional and wiser in using it technology learning and creating innovative learning _ as well as interesting for students . When in a learning has created active atmosphere _ from the students so to speak that the teacher has succeed interesting interest students to study. School given authority to develop curriculum . The teacher teaches in conveying material in accordance stages development participant students , and participants students can choose lesson in accordance their respective talents and interests . Furthermore, in the Independent Curriculum learning is much more relevant and interactive . Simple and flexible curriculum make students more active in learning . _ Participant Students can be creative by working together in making something works , so give wider opportunities _ to participant teach to be active explore , and learning is much more enjoyable for teachers and participants educate .

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