The influence of the Independent Teaching Platform (PMM) on Competence of History Teachers at State Senior High Schools in Palu City

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ABSTRACT

Education is an " effort" conscious and planned For realize atmosphere learning and fun learning so that participants educate in a way active develop potential himself For own religious spiritual power , control self , personality , intelligence , morals noble , and required skills Himself and Society. Research Problem Formulation Whether There is the influence of the Independent Teaching Platform (PMM) on Competence of History Teachers of Senior High Schools in Palu City . Research Objectives The Influence of the Independent Teaching Platform (PMM) on Competence of history teachers of state senior high schools in the city hammer . Benefits of research study This can enrich insight and knowledge Good in form theory or draft for researchers and readers , referring to the Merdeka Mengajar Platform in curriculum independent to teacher professionalism in the world of education. Research methods approach quantitative For research . Define method study quantitative as technique For investigate between connection variable use evaluate idea certain.for use technique statistics in numerical data analysis ,variables often measured use equipment . Research results Testing validity empirical done with using 36 respondents who were not is sample research . Respondents the originate from some teachers from schools located in the city Central Sulawesi hammer which has apply curriculum Independence.test validity This use formula *correlation pearson product moment* with level significant 5%. Research conclusion The discussion that has been described the can provide the conclusion that there is significant influence between Their Platforms Teach To Competence of History Teachers of State Senior High Schools in Palu City , Value its significance by 0.000 less from determination mark significance that has been established of 0.05 with mark contribution B 0.690 (Hypothesis alternative accepted). with the existence of PMM teachers feel helped in a way significance For increase professional teacher competence .

Keywords: Independent Teaching Platform (PMM), Teacher Competence , State Senior High Schools in Palu City

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INTRODUCTION

Education is a purposeful learning process For develop knowledge, skills and attitudes somebody For prepare individuals to be able to contribute in a way positive in life social later in face challenge forward (Ma'ruf and Paputungan 2025) . Education is an " effort" conscious and planned For realize atmosphere learning and fun learning so that

participants educate in a way active develop potential himself For own religious spiritual power , control self , personality , intelligence , morals noble , and required skills himself and society ". Education includes teaching skill special , and also something that is not can seen but more deep that is giving knowledge , judgment and wisdom . (Ujud et al. 2023)

Learning process teach Of course No let go from figure and role a teacher for to form his students become intelligent , characterful and competent human being with discipline the knowledge he imparts . The role of a teacher is not only as teacher for his students in class , but also can do activity learning those outside class . However , the learning process teaching that is done need qualified competence from a teacher For facing the era of globalization , reform is needed in system education in Indonesia, with focus on flexibility and comprehensiveness (Romadhon nd) .

Based on The vision of education attached to Law No. 20 of 2003 concerning the national education system , education is defined as as effort systematic and conscious to create active , innovative , fun , challenging learning process environment . Realizing mandate said , the teacher must own ability For using ICT when do assignments. Independent Teaching Platform is one of the innovation technology that is currently encouraged by the Ministry of Education, Culture, Research and Technology moment This For apply curriculum independence.Platform This designed For help teachers learn, support interaction between teachers and students, and facilitate use information and communication technology (ICT) in education in line with use of independent platform teach (Mandela, Paturahman , and Irma 2024) .

Independent Teaching Platform own vision realize ecosystem collaborative For grow effectiveness learning as well as climate positive work (Dewanti, Cahyani, and Nisa 2025) . There is a number of included components in the Independent Teaching Platform namely content crowdsourcing (development) content based on contributions that can be done by the audience wide), community online learning (teacher and student) learning , helping , supporting and sharing), learning independent (online training for development competence), planning and progress career (development) teacher portfolio), and networking teaching profession (a forum that presents profile , experience and skills professional teaching). (Arisanti 2022)

Independent platform Educational Reform teach created . This platform is very useful for teachers because help they increase ability professional them and implement method more teaching innovative and effective , which is direct contribute to the improvement quality of education (Isnaini et al. 2024) . One of the component Home Independent Teaching is ability For enter technology to in education and provide teachers with access to source Power latest . This becomes important in Indonesian education , which continues try increase standards and quality education . With push discussion and work The same between educators , this platform allow more education inclusive and quality tall (Triyani 2025) .

Teachers must understand will Updates technology in a way straight and straight develop, so that every human resource must capable balancing matter the For support more education good and keep going innovate . implementation curriculum independence

throughout Indonesia especially in the city hammer has apply curriculum independent said, the provision of an independent platform teaching (PMM) as form equalization skills teach without except For support distant education more good.Regarding with matter the Related the school I want to research that school the has use curriculum independent so that matter the can help me in do study regarding "The Influence of the Independent Teaching Platform (PMM) on competency of History Teachers at State Senior High Schools in Palu City '' (Sari, Egar, and Purwosaputro 2025) .

Independent Teaching Platform aiming For give support to the teacher through provision various source power , training , and community learning . This platform is also in line with Vision of the Ministry of Education and Culture in create more education inclusive and equitable . With utilise technology , Independent Teaching try For reach more many teachers and students all over remote parts of Indonesia, including difficult area accessed . as power educators who have quality higher education must understand and comprehend in use (PMM) because matter the can help the learning process in curriculum independence . Every teacher must have high innovation as well as knowledge related technology that continues develop When just Because era of globalization is an era where technology Keep going move forward and everyone must Ready will change the (N et al. 2025) .

System education can produce generation that has ability think critical For solve problem in a way creative and collaborative . This was conveyed by Nadiem Anwar Makarim, Minister of Education and Culture Republic of Indonesia (Ministry of Education and Culture). Discuss draft Independent Learning Education moment give remarks at the 2019 National Teachers' Day event. stated : In accordance with with Regulation Number 56/M/2022 Minister of Education, Culture , Research and Technology Republic of Indonesia about guidelines implementation curriculum in frame revitalization learning and recovery learning (2022). Improvement curriculum play a role important in development of Indonesia in general comprehensive . Through implementation Independent Curriculum , Indonesia will become a sovereign , independent , faithful nation to God Almighty, have morals noble , synergistic , and global . For schools that have ready , curriculum independent is option in recovery learning related pandemic between 2022 to 2024. Schools that have not Ready will choose other options up to evaluation in 2024 .

Every nation need Giving birth to intelligent generations Of course must have power educators who have outlook wide . which can educate as well as give knowledge to child his education later , then from it is very much needed that teachers have competence professional . so that teachers can operate its educational role and duties public or participant educate going to quality and far life more Good (Wangi and Haryani 2025) . Observation while,found the problem that some teachers are lacking understand curriculum independence.because curriculum independent is new curriculum and the Merdeka teaching platform is a new platform for teachers , then teacher competency in particular to mastery Curriculum independent still minimal.Problem others is . that the independent platform teach is means Study independent for teachers, that is are teachers accessing the independent platform teach When and where just . very necessary existence socialization and training to teachers regarding Utilization of the Merdeka Teaching

platform as means For understand Independent curriculum (Yaqin , Rozak, and Muliawati 2022) .

Researchers' reasons Selecting a research location this , because researcher has do pre - survey direct at the location then researcher do interview with his teacher . Research location in accordance with character the problem that researchers lift that at school the has use curriculum independence and researchers also observed the surrounding situation and conditions from results interview with the teacher . That in implementation curriculum still Keep going in process . Until so far This Not yet There is research similar related the problem you want investigated so that matter the makes me more Certain For continue the research process the .

Based on description above researcher take title study is " The influence of the Independent Teaching Platform (PMM) on competence of History Teachers at State Senior High Schools in Palu City '' because interested about the independent platform teaching (PMM) designed can increase teacher professionalism , in features of the platform has provide various type complete teaching tools , available make it easier for teachers to support learning , features This allows teachers to be creative more in develop self , with thus that (PMM) is very helpful in improve the learning process .

METHOD

Types of research This use approach quantitative For research ., Defining method study quantitative as technique For investigate between connection variable use evaluate idea certain.for use technique statistics in numerical data analysis ,variables often measured use equipment (Thoriq , Hidayati , and Rina 2024) .

FINDING AND DISCUSSION
RESEARCH RESULT

Testing validity empirical done with using 36 respondents who were not is sample research . Respondents the originate from some teachers from schools located in the city Central Sulawesi hammer which has apply curriculum Independence.test validity This use formula *correlation pearson product moment* with level significant 5%. Items are considered valid if *r count* ≥ r *table.* based on validity test the obtained results testing as following :

Table 1 Validation Test Independent Teaching Platform Questionnaire (x1)

No.	r count	r table	Information	No.	r count	r table	Information
1.	0.431	0.329	Valid	16.	0.562	0.329	Valid
2.	0.341	0.329	Valid	17.	0.464	0.329	Valid
3.	0.427	0.329	Valid	18.	0.534	0.329	Valid
4.	0.487	0.329	Valid	19.	0.356	0.329	Valid
5.	0.617	0.329	Valid	20.	0.373	0.329	Valid
6.	0.736	0.329	Valid	21.	0.399	0.329	Valid
7.	0.434	0.329	Valid	22.	0.464	0.329	Valid

No.	r count	r table	Information	No.	r count	r table	Information
8.	0.345	0.329	Valid	23.	0.635	0.329	Valid
9.	0.388	0.329	Valid	24.	0.339	0.329	Valid
10.	0.676	0.329	Valid	25.	0.542	0.329	Valid
11.	0.379	0.329	Valid	26.	0.609	0.329	Valid
12.	0.468	0.329	Valid	27.	0.464	0.329	Valid
13.	0.701	0.329	Valid	28	0.335	0.329	Valid
14.	0.653	0.329	Valid	29	0.453	0.329	Valid
15.	0.460	0.329	Valid	30	0.524	0.329	Valid

Source : primary data 2025

Based on the table above can known that 30 statement items were tested try to consider it valid because value (r count) more big from (table r values) so that questionnaire can used a total of 30 statement items .

Table 2. Validation Test Questionnaire Professional competence (Y)

No.	r count	r table	Information	No.	r count	r table	Information
1.	0.453	0.329	Valid	16.	0.342	0.329	Valid
2.	0.512	0.329	Valid	17.	0.530	0.329	Valid
3.	0.435	0.329	Valid	18.	0.607	0.329	Valid
4.	0.574	0.329	Valid	19.	0.525	0.329	Valid
5.	0.488	0.329	Valid	20.	0.360	0.329	Valid
6.	0.688	0.329	Valid	21.	0.443	0.329	Valid
7.	0.459	0.329	Valid	22.	0.417	0.329	Valid
8.	0.377	0.329	Valid	23.	0.335	0.329	Valid
9.	0.437	0.329	Valid	24.	0.529	0.329	Valid
10.	0.744	0.329	Valid	25.	0.348	0.329	Valid
11.	0.548	0.329	Valid	26.	0.446	0.329	Valid
12.	0.542	0.329	Valid	27.	0.342	0.329	Valid
13.	0.524	0.329	Valid	28	0.449	0.329	Valid
14.	0.404	0.329	Valid	29	0.480	0.329	Valid
15.	0.500	0.329	Valid	30	0.545	0.329	Valid

Source : primary data 2025

After all statement items on the independent (X) and dependent (Y) variables in the instrument are declared valid, then step furthermore done testing reliability variable in the research instrument (questionnaire). For ensure that the research instrument can reliable and the results obtained can trusted . Based on reliability test results show A results that the independent variable (X) and the dependent variable dependent (Y) has mark good reliability . Reliability test results to independent variables and variables dependent study in instrument this research (questionnaire) can seen in table 4.3 below .

Table 3. Reliability Test

No.	Variables Study	Cronbach's Alpha	Information
1.	Independent Teaching Platform	0.877	Reliable
2.	Teacher competence	0.883	Reliable

Source : Primary Data 2025

Based on table so can known mark *Cronbach Alpha* of each independent variable and dependent variable dependent is of 0.877, 0.883. According to with opinion widodo (2023), then all over variable it is said reliable Because *Cronbach Alpha* > 0.600.

Table 4. Homogeneity Test
ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	902.305	17	53,077	.702	.763
Within Groups	1284.667	17	75,569		
Total	2186.971	34			

Based on The results of the homogeneity test carried out were obtained mark significance (sig) of 0.763. This value more big from the significance limits that have been set , namely 0.05. Therefore that , can concluded that No there is significant difference in variance between the group of data being tested . In other words, the data from groups the own homogeneous variance or uniform . The data is Homogeneous Because sig value 0.763 > 0.05

The use of the F test was carried out For prove existence the influence of the Merdeka Mengajar Platform to History Teacher Competence . The results of the F test can seen in table 4.7 below This :

Table 5. Anova Simultaneous Test (F)
ANOVA [a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	1032.639	1	1032.639	29,220	.000 [b]
	Residual	1201.584	34	35,341		
	Total	2234.222	35			

a. Dependent Variable: KP
b. Predictors: (Constant), PMM
Source : SPSS 26 Data Processing Results

Table 5 shows anova test results known that mark significance (Sig) in the F test is 0.000. because sig. 0.000 < 0.05 . So as base Decision making in the F test can be it is said that PMM variables and teacher competence have an influence or significant . With thus

so requirements to be able to to give meaning to mark coefficient determinant in analysis simple linear regression Already fulfilled .

The use of the t-test was carried out For prove existence influence of the Merdeka Mengajar platform to teacher competence for each variable . The results of the t-test can be seen in table 4.8 below This :

Table 6. Partial Test (t)

Coefficients [a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	21,428	11,475		1,867	.070
	PMM	.690	.128	.680	5.406	.000

a. Dependent Variable: KP
Source : SPSS 26 Data Processing Results

Based on results testing For the influence of the Merdeka Mengajar Platform to Teacher competence , visible that mark significant t 0.000 < 0.005 so can said that Hypothesis H0 is rejected and Ha is accepted or existence the influence of the Merdeka Mengajar Platform to Teacher Competence 0.000. This means that there is significant influence from variable X against variable Y.

For know the magnitude contribution variable free to variable bound , determined coefficient determination in a way Overall . This result readable in form presentation in the regression model used . The results of the analysis can seen in the table following :

Table 7. Coefficients Determination Simultaneous R^2

Model Summary [b]

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.680 [a]	.462	.446	5.94480

a. Predictors: (Constant), PMM
b. Dependent Variable: KP
Source : SPSS 26 Data Processing Results

Initial results in analysis shown by the table summary *model* showing presentation acquisition the influence that occurs and at a time show assumptions of other factors that provide influence . It is estimated in R value (Coefficient Correlation) of 0.680 (68%) coefficient correlation This show how much strong connection between variables said . Estimates final R^2 or R Square of the influence of PMM on Teacher Competence is 0.426 (42.6%) of results This can assumed there is other influences amount to 100% − 42.6% = 57.4%

DISCUSSION

Education is an important pillar in development of the country. In Indonesia, the government Keep going apply policy new For increase quality education , one of them is Independent Curriculum . The Ministry of Education, Culture , Research, and Technology (Kemendikbudristek) launched the Independent Teaching Platform (PMM) for support curriculum This (Andi Reski et al. 2024) . One of the objective from the Merdeka Mengajar Platform is For help teachers improve ability they in a way independent and sustainable With give access flexible training , rich teaching materials , and space reflection Professional , Merdeka Teaching Platform helps teachers become flexible , innovative and empowered educators in operate Independent Curriculum . However , the success of this platform also depends on the readiness infrastructure and teacher commitment to utilise technology For development self they myself.according to (Elpin et al. 2024) that PMM is receptacle education that will functioning as partner For support educators and implement Pancasila students . Profile Pancasila students include skills natural and for Indonesian students who have If they involved in the learning process and community life .

This platform displayed for teachers and principals school from the Merta *Teaching* Platform (PMM) for ensure access to source learn digital, create learning more easy online, and improve interaction between teachers and students . Understanding This expected allows teachers to see mark plus important from use curriculum Meldeka (PMM) as part from education they (Rahmadani and Kamaluddin 2023) . In the 2005 Law and *The Hidden People Act No.* 1, Chapter 1 explains that the teacher is professional educator Education Skills , Skills Personality , Skills Professional , and Social Skills . (Aulia , Murni, and Desyandri 2023) .

Higher teacher competence Good with teaching platform and (PMM) not only can own effect positive on learning , but also helpful overcome possible challenges arise during teacher implementation . This result show that Merdeka Curriculum (PMM) shows potential big For increase teacher skills and support improvement quality Study at school training vocational.More understanding in about aims , benefits , and expected reach of PMM make teachers more effective and innovative . (Rahmadani and Kamaluddin 2023) . That the Merdeka Teaching (PMM) platform also contribute in strengthen commitment innovation and creativity of educators , so that they can evaluate lack in competence they , for do improvements in the future come , thing this is also seen as confession for all teachers in Indonesia with apply Merdeka curriculum , Merdeka teaching platform facilitate educator For more free in learn and innovate in accordance with the potential and imagination that they have . With Thus , the Ministry of Education, Culture , Research and Technology appeal all party For Work The same For realize change education in Indonesia. With Launch of the Independent Teaching Platform will become partner for teachers in the process of teaching and helping they For innovate in make relevant learning with challenge . Therefore that , teaching platform free (PMM) present in form application . which allows teachers to use ability students . they , give education For increase ability them , and give inspiration to colleague peer through work they itself . The purpose of study This is For spread awareness that instructional platform free This can repair teacher quality (Saerang et al. 2023) .

In the Independent Teaching Platform (PMM) also plays a role in increase A creativity as well as ability teacher innovation in the teaching process . That through an independent teaching platform . Teachers can evaluate lack competence they For do future improvements . Which is also considered as form appreciation for all teachers in Indonesia, with implement Merdeka curriculum , Merdeka teaching platform encourage teachers more free in learn and create in accordance with talent and creativity they (Kartikawati , Darmuki , and Surachmi 2025) .

Based on results analysis in table 4.8 Partial test (t) for PMM variables against Teacher Competencies that have been done , found that there is the influence of the Merdeka Mengajar Platform (PMM) on Teacher Competence . The t-test results show mark significance as big as 0,000.more small from The level of significance that has been set which is 0.05. this indicates that there is significant influence between the Merdeka Mengajar Platform with competence Teacher.by Because that . Hypothesis so that can said that Hypothesis H0 is rejected and Ha is accepted with Level of significance of 0,000.

Study This in accordance with , results Previous study by Eryanti (2024) at SD Negeri 5 Purbalingga Scenery . Platform Merdeka teaches own impact big on implementation Independent curriculum , with level impact 67.6% with mark significance of 0.000 < 0.05. In addition , the research this also shows connection positive between use of the Merdeka Mengajar Platform and teachers' willingness to apply Next Independence Curriculum another study conducted by (Rohman et al. 2024) with title study '' *Utilization of the Independent Teaching Platform (PMM) in Implementation Independent Curriculum at Smpn 1 Pontang* '' with results study that is that the Independent Teaching Platform play a role important in Implementation Independent Curriculum in Schools. Teachers at SMP Negeri 1 Pontang Have Utilized PMM in development Competence self as an Effort to Face and Implement Independence curriculum .

Furthermore through results interview with one of teacher informant at SMA Negeri 9 Palu on February 27 , 2025. Revealed that they feel helped in a way significant , Has revealed that there is a sense of use significant curriculum in Merdeka curriculum . As stated by informant 1 that " with existence pmm make it easier for teachers to understand curriculum as well as can increase teacher competence . Because it can look for A inspiration and reference '' next matter This was also stated by informant 5 regarding the benefits of having pmm . '' Makes it easier for me in Study Keep going continuously For increase my competence as a teacher through training ' independent ' in the world of education is increasingly day the more developing , which is always innovate important in support transformation education in Indonesia. However matter the No Can denied still there are also obstacles faced by teachers at State Senior High School 8 related to informant 3 stated that '' sometimes still constrained laptop that doesn't adequate as well as knowledge technology that is still not enough .

According to experts , and the results analysis study previous that the Merdeka teaching platform has proven as A successful tool support teachers in apply Independent curriculum (Nurjanah and Mustofa 2024) . With provide various access For get good education information . But also become source motivation for teachers. In building A

ecosystem in the Independent Teaching Platform . Continued teacher opportunities Study as well as to create A works innovative in the world of education. Merdeka Teaching Platform become A receptacle For grow for teachers.

Results of the analysis carried out use through analysis Variance (ANOVA) for know the influence of two variables certain . Namely the Merdeka Teaching platform and Teacher Competence from table 4.7 said , with F value obtained amounting to 29,220 with mark significance of 0.000. This F value used For measure significance from difference between data groups in sample . The more big F value , the higher significance difference the in context This , the F value of 29.220 shows existence difference significance between influence second variable the to teacher competence . In addition mark significance of 0.000 indicates that influence second variable the to teacher competence is very significant .

With Thus , the results of the Anova test the explain that strong influence between PMM and Teacher Competence . This is to emphasize importance pay attention to factors the in an effort to improve quality teacher performance . Which ultimately will impact positive on educational outcomes . PMM and Teacher Competency have an influence significant and important For under consideration in an effort to improve quality of education.

On the results analysis Coefficient Determinant Simultan **(R^2)** in table 4.9 in table *model summary* This to describe presentation from the influences that occur in research , as well as Provide an overview of assumptions of other factors. Which can also give influence to current phenomenon examined . In the context of Here , the R value is used For measure coefficient correlation between independent variables and variables dependent . Estimate final R^2 or R Square of the influence of PMM on Teacher Competence is 0.426 (42.6%) , meaning second factor the own significant contribution .

CONCLUSION

The discussion that has been described the can provide the conclusion that there is significant influence between Their Platforms Teach To Competence of History Teachers of State Senior High Schools in Palu City , Value its significance by 0.000 less from determination mark significance that has been established of 0.05 with mark contribution B 0.690 (Hypothesis alternative accepted). with the existence of PMM teachers feel helped in a way significance For increase teacher competence professionally . The results of the analysis carried out through t-test and results analysis through ANOVA variance for know variable certain each value the own level the same significance.

REFERENCES

Andi Reski , Selestina Kostaria Jua, Kristina Uskenat , and Merta Simbolon . 2024. " Increasing Papua Mountains High School Teacher Competence through Training Utilization of the Merdeka Mengajar Platform ." *ADDICTION: Journal Community Service in the Field of Science and Technology* 3(4):298–305. doi:10.55123/ abdikan.v 3i4.4379.

Arisanti , Dewa Ayu Kade. 2022. " Analysis Independent Curriculum and Independent Learning Platform For Realizing Quality Education ." *Journal Quality Assurance* 8(02):243–50. doi:10.25078/ jpm.v 8i02.1386.

Aulia , Desi, Irda Murni, and Desyandri Desyandri . 2023. " Improvement Elementary School Teacher Competence Through the Independent Teaching Platform (PMM)." *Journal Scientific Education Professions* 8(1b):800–807. doi:10.29303/jipp.v8i1b .1310.

The story of the ... Henu Cahyani, and Ana Fitrotun Nisa. 2025. " Analysis Implementation Independent Curriculum for Science Subjects for Students Grade IV in Elementary School ." *Journal of Elementary Education Flobamorata* 6(1):1–7. doi:10.51494/ jpdf.v 6i1.1416.

Elpin , Agus, Nuri Simarona , Aunurrahman Aunurrahman , and Halida Halida . 2024. "The Role of the Independent Teaching Platform (PPM) in Improving Effectiveness Implementation Independent Curriculum ." *Asatiza : Journal of Education* 5(1):81–96. doi:10.46963/ asatiza.v 5i1.1436.

Isnaini , Lisa Shopia , Mohammad Mustari, Edy Kurniawansyah , and Sawaludin Sawaludin . 2024. "IMPLEMENTATION OF INDEPENDENT CURRICULUM IN IMPROVING TEACHERS' CREATIVITY AT SMAN 1 SAKRA." *LEARNING : Journal Innovation Research in Education and Learning* 4(3):700–710. doi:10.51878/ learning.v 4i3.3182.

Kartikawati , Eni, Agus Darmuki , and Sri Surachmi . 2025. "THE STRATEGIC ROLE OF SCHOOL PRINCIPALS IN SUPPORTING TEACHERS IN IMPLEMENTING DIFFERENTIATED LEARNING IN ELEMENTARY SCHOOLS." 8(1).

Mandela, Rahmat Yoza, Sahrial Harun Paturahman , and Ade Irma. 2024. " Analysis Competence Teacher Pedagogy at SDN 37 Pekanbaru : With Focus on Challenges Faced and Solutions ." *Innovations in Multidisciplinary Education Journal* 1(2):112–19. doi:10.61476/7c5bf658.

Ma'ruf , Abd Rahman K., and Frezy Paputungan . 2025. " Analysis The need for UPTD BTIKP as a Designer of the Independent Teaching Platform for Teachers in Gorontalo City."

N, Renny Afriany , Rudolf Sinaga, Samsinar Samsinar , and Franky Franky . 2025. " Training Utilization of Artificial Intelligence in Creating Learning Media ." *Journal ABDINUS : Journal Indonesian Service* 9(2):512–22. doi:10.29407/ ja.v 9i2.24911.

Nurjanah , Erlintang Alfin, and Rochman Hadi Mustofa. 2024. " Educational Transformation : Analyzing Implementation Implementation Independent Curriculum at 3 Senior High Schools in Central Java." 13(1).

Rahmadani , Febry Budiman, and Kamaluddin Kamaluddin . 2023. " Utilization of the Independent Teaching Platform (PMM) for Increase Teacher Competence in Schools Intermediate Vocational ." *Journal Knowledge Management and Education* 3:113–22. doi:10.30872/jimpian.v3ise .2929.

Rohman, Moch Abdul, Anisa Fauziyah , Atikah's Grandson, Master of Technology , University Education, and Ageng Tirtayasa . 2024. " Utilization of the Independent Teaching Platform (PMM) in the Implementation Independent Curriculum at SMPN 1 Pontang ." *Pendas: Journal Elementary Education Science* 09(02):907–27.

Romadhon, Kharisma. nd " Analysis Teacher Competence towards Compilation Devices Learning in the Independent Curriculum in Elementary Schools ." *Journal of Education and Culture* 15(2).

Saerang , Hetwi Marselina, Jelly Maria Lembong , Shelty Deity Meity Sumual , and Roos Marie Stella Tuerah . 2023. " Development Strategy Teacher Professionalism in the Digital Era: Challenges and Opportunities ." *El- Idare : Journal Islamic Education Management* 9(1):65–75. doi:10.19109/ elidare.v 9i1.16555.

Sari, Nur Inda, Ngasbun Egar, and Supriyono Purwosaputro . 2025. "IMPLEMENTATION OF SMK CENTER OF EXCELLENCE PROGRAM IN NAUTICAL CONCENTRATION OF FISHING VESSELS." *SOCIAL : Journal Social Studies Education Innovation* 5(1):62–72. doi:10.51878/ social.v 5i1.4572.

Thoriq , Alfan , Dian Hidayati , and Rina. 2024. " Utilization of the Merdeka Mengajar Platform in Good Practice Implementation Independent Curriculum ." *Manage: Journal Educational Management* 11(1):120–28. doi:10.24246/j. jk.2024.v 11.i1.p120-128.

Triyani , Eva. 2025. "IMPLEMENTATION OF INDEPENDENT CURRICULUM IN IMPROVING THE QUALITY OF EDUCATION IN SUNAN MURIA CLUSTER ELEMENTARY SCHOOLS, DEMAK DISTRICT, DEMAK REGENCY." 10.

Ujud , Sartika , Taslim D. Nur, Yusmar Yusuf, Ningsi Saibi , and Muhammad Riswan Ramli. 2023. " Application of the Discovery Learning Learning Model for Improving Learning Outcomes Student State Senior High School 10 Ternate City Class X On Pollution Material Environment ." *Journal Bioeducation* 6(2):337–47. doi:10.33387/ bioedu.v 6i2.7305.

Wangi, Roenita Sekar, and Endang Haryani . 2025. "APPLICATION OF DIGITAL STRATEGY MODEL IN STRATEGIC PLANNING OF INFORMATION SYSTEMS IN HIGH SCHOOL." *JIPI (Journal of Scientific Research and Learning Informatics)* 10(2):1232–43. doi:10.29100/ jipi.v 10i2.6186.

Yaqin , Sri Wahyuni Lutfiyatul , Abdul Rozak, and Hesti Muliawati . 2022. "USE OF YOUTUBE APPLICATION-BASED LEARNING MEDIA IN LEARNING ANECDOTE TEXTS IN GRADE X STUDENTS." *Journal Speech* 11(1):26. doi:10.33603/ jt.v 11i1.7247.