



The Influence of Principals' Managerial Competence, Academic Supervision and Teachers' Education Level on the Performance of Public Junior High School Teachers in Kuala Kampar Sub-District

Hamdan¹, Lia Yuliana²

Universitas Negeri Yogyakarta

Corresponding Author: Hamdan: hamdan.2023@student.uny.ac.id

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ABSTRACT

The interdependence of supporting elements that work together to raise educational standards is crucial to its success. With the regression equation $Y = 2.672 + 0.832X_1 + 0.618X_2 + 0.713X_3$, the findings demonstrated that: (1) the managerial competence of principals has a positive and significant effect on teacher performance; (2) academic supervision has a positive and significant effect on teacher performance; (3) teachers' education level has a positive and significant effect on teacher performance; and (4) all three independent variables have a positive and significant effect on teacher performance at the same time. This result demonstrates that initiatives to raise teacher performance must take into account raising the educational attainment of teachers, enhancing academic supervision's efficacy, and enhancing principals' managerial skills. Therefore, stakeholders can use the study's findings as a guide when creating more sensible policies to raise educational standards.

INTRODUCTION

Education is one of the primary aspects in determining the quality of human resources that will have a direct impact on the prosperity of a country. As a vehicle for increasing the quality of individuals, education has a very vital function in maintaining the sustainability of a nation. The quick changes of the times promote change in many facets of life, particularly in the educational sector. As a purposeful and organized endeavor, education seeks to establish a favorable learning environment in order to maximize students' potential.

According to Law Number 20 of 2003 Article 1 Paragraph 1 about the National Education System, education serves to develop skills and mold the character and civilization of a respectable nation in order to educate the nation's life. This is in line with the mandate of the law. The development of pupils' potential for religious and spiritual strength, self-control, personality, intelligence, noble character, and other abilities necessary for society, the nation, and the state is another goal of education.

Teacher performance is one of the many elements that promote the learning process and are crucial to the success of education. In order to determine if students are successful in reaching the best possible learning outcomes, teachers play a crucial strategic role. Without qualified educators who are adept at overseeing the learning process, a high-quality education is impossible to achieve. According to Guntoro (2020), teacher performance is the degree of individual success in carrying out duties and responsibilities as well as the ability to meet preset standards and objectives. Therefore, a teacher who can fulfill his obligations in a professional manner will perform at his best, which will enhance the standard of education as a whole.

The government has established a number of programs, including the Merdeka Mengajar (PMM) platform, to raise the caliber of teachers. The goal of this platform is to give educators the chance to keep learning and improving their skills in order to help raise the standard of instruction. In addition to enhancing teacher abilities, PMM trains principals to be leaders in educational establishments. On the ground, nevertheless, it is evident that many teachers continue to function at a low level.

The quality of teacher performance in Indonesia remains in the bottom range, according to a 2022 World Bank poll. Furthermore, Indonesia only ranks 67th out of 203 countries in the 2023 global education rankings. This illustrates how the quality of education in the country still falls well short of expectations and how more work is required to raise the caliber of principals and instructors, who hold crucial positions in educational establishments.

According to the findings of a pre-survey carried out at a number of Kuala Kampar District public junior high schools, teacher performance is still comparatively low. This is caused by a number of things, such as the inability to create lesson plans that follow the curriculum, restrictions on the use of efficient teaching strategies, and poor coordination and communication between principals and instructors. Furthermore, it was shown that a large number of teachers solely

use their memories and prior experiences when teaching rather than following lesson plans.

This demonstrates that teachers' professionalism in performing their jobs is still limited. Moreover, a lot of principals lament that the high administrative load causes them to lose concentration when overseeing school programming and that it is challenging to coordinate the school's vision and goal because of divergent teacher opinions. All of these elements play a part in the sub-district of Kuala Kampar schools' poor educational standards.

There are two types of factors that affect teacher performance: internal and external influences. While external elements include the leadership of principals, the work environment, educational facilities, policies, and administrative systems, internal factors include the motivation, interest, aptitude, character, age, and educational level of instructors. The administrative proficiency of principals, academic supervision, and teachers' educational background are the three primary determinants of teacher performance that will be investigated in this study. Based on the results of the pre-survey, these three parameters were chosen.

According to Rastina (2017), the managerial competence of school principals is the ability of school principals to carry out their roles as planners, implementers, organizers, and supervisors to achieve educational goals. Meanwhile, Mutoharoh (2023) stated that the principal's managerial competence reflects the principal's capacity to manage change, design strategies, and optimally empower school resources. Principals who have good managerial competence will be able to create a conducive work environment, which in turn will encourage improved teacher performance.

Academic supervision is also an important factor in improving the quality of teacher performance. Academic supervision is a series of activities that aim to help teachers improve their competence in managing learning (Sugiyanti & Sabar Narimo, 2016). Principals have a role as supervisors who provide direction, guidance and evaluation to teachers so that they can carry out their duties better. Effective academic supervision can increase teachers' motivation, help them develop innovative learning methods, and improve the quality of student learning outcomes.

The level of teacher education is also an important variable in influencing teacher performance. Higher formal education can improve teachers' understanding of learning strategies, evaluation methods and more effective approaches to teaching. However, existing research shows mixed findings regarding the relationship between education level and teacher performance. Therefore, this study aims to further examine the effect of education level on teacher performance in state junior high schools in Kuala Kampar sub-district.

Previous research has shown a positive relationship between principals' managerial competence, academic supervision, and teacher education level with teacher performance. Meidiana (2020) found that principal leadership and academic

supervision have a significant impact on improving teacher performance. Manalu & Lumbanbatu (2023) also stated that academic supervision can help teachers improve the quality of their learning. Another study by Ardiyasa et al. (2023) showed that academic supervision not only plays a role in improving teaching quality but also as an evaluation tool to achieve better educational goals. Sriyono (2019) found that teachers' education level affects their performance, where teachers with higher education tend to have a better understanding of managing learning.

Based on the background that has been described, as well as the findings from the pre-survey that has been conducted, this study aims to examine the effect of the principal's managerial competence, academic supervision, and the level of teacher education on teacher performance in State Junior High Schools in Kuala Kampar District.

METHOD

This research uses a quantitative approach with descriptive analysis type of research. This approach is used to describe the facts and analyze the influence between the variables studied. The research location was conducted at the State Junior High School in Kuala Kampar District, Pelalawan Regency. The selection of this location was based on the results of a pre-survey which showed that teacher performance was still low so that a solution was needed to improve the quality of teacher performance. This research was conducted in stages from June to December 2024.

The population of this study were all public junior high school teachers in Kuala Kampar District, totaling 78 people. The sampling technique used is a saturated sample or census, so that the entire population is used as a research sample. This study involves three independent variables, namely Principal Managerial Competence (X1), Academic Supervision (X2), and Teacher Education Level (X3), and one dependent variable, namely Teacher Performance (Y). Data were collected through questionnaires given to all respondents to obtain information about the research variables.

Before being used in the main research, the questionnaire instrument was tested for validity and reliability. The validity test was carried out with Product Moment correlation using SPSS version 22, where the instrument was declared valid if the r-count value was greater than or equal to the r-table at the 5% significance level. The reliability test uses the Cronbach's Alpha method, with the criterion that the instrument is said to be reliable if the r value (Cronbach's Alpha) is greater than 0.60.

The data analysis technique used in this research is descriptive analysis and multiple regression analysis. Descriptive analysis is used to describe the characteristics of respondents and the distribution of research data, while multiple regression analysis is used to analyze the effect of independent variables on the dependent variable. The regression equation used is $Y = \alpha + b_1X_1 + b_2X_2 + b_3X_3 + e$, where Y is Teacher Performance, X1 is Principal Managerial Competence, X2 is

Academic Supervision, X_3 is Teacher Education Level, α is a constant, b_1 , b_2 , and b_3 are regression coefficients, and e is the error term.

Before conducting the regression analysis, a classical assumption test was carried out which included a normality test with Kolmogorov-Smirnov to ensure that the data was normally distributed if the significance value was more than 0.05, a linearity test using the Test for Linearity to see the relationship between the independent and dependent variables, a multicollinearity test with the Variance Inflation Factor (VIF) where there was no multicollinearity if the VIF value was less than 10, and a heteroscedasticity test with the Glejser test, where the data was said to be free of heteroscedasticity if the significance value was more than 0.05.

Hypothesis testing is done through the F test to determine the simultaneous effect of the independent variable on the dependent variable, with significant results if the significance value is less than 0.05. In addition, the t test is used to test the effect of each independent variable on the dependent variable individually, with significant results if the significance value is less than 0.05. The coefficient of determination (R^2) is used to measure how much the independent variable contributes in explaining the dependent variable. With this analysis technique, the research aims to get conclusions about the factors that influence the performance of public junior high school teachers in Kuala Kampar sub-district.

RESULTS

This study aims to analyze the effect of the principal's managerial competence, academic supervision, and teacher education level on the performance of public junior high school teachers in Kuala Kampar District. The results of the study are presented in the form of descriptive analysis and hypothesis testing using multiple regression.

Descriptive Test Results

Descriptive analysis is used to provide an overview of the research data based on the results of the questionnaire that has been collected from 78 respondents. The data analyzed included teacher performance variables, principal managerial competence, academic supervision, and teacher education level.

Based on the results of descriptive analysis, the majority of teachers have performance in the good category, with a percentage of 67.9% (53 respondents). A total of 17.9% (14 respondents) had very good performance, while 14.2% (11 respondents) were still in the poor category. There were no teachers who had poor performance. Thus, it can be concluded that most teachers have shown good performance in planning, implementing, assessing and following up on learning.

Table 1. Results of Frequency Distribution of Teacher Performance Variables

Category	Interval	Frequency	Percentage %
Very good	117 - 170	14	17,9
Good	90 - 117	53	67,9
Poor	62 - 89	11	14,2
Very poor	34 - 61	0	0
Amount		78	100

Source: Processed Data (2025)

The analysis of the principal's managerial competence showed that the majority of respondents (55.2%) categorized the principal's managerial competence as good. A total of 25.6% stated that the principals had very good competence, while 19.2% rated the principals' competence in the poor category. No principals were categorized as not good, indicating that most principals already have good enough managerial skills in managing schools.

Table 2. Frequency Distribution of Principal Managerial Competence Variables

Category	Interval	Frequency	Percentage%
Very good	67 - 95	20	25,6
Good	51 - 66	43	55,2
Poor	35 - 50	15	19,2
Very poor	19 - 34	0	0
Amount		78	100%

Source: Processed Data (2025)

Academic supervision conducted in schools was also rated as mostly good (60.3%, 47 respondents), while 10.2% (8 respondents) stated that academic supervision was very good. However, there were still 29.5% (23 respondents) who considered academic supervision to be poor. This indicates that although academic supervision in schools has been running well, evaluation and improvement are still needed to make supervision more effective in improving the quality of teacher performance.

Table 3. Frequency Distribution of Academic Supervision Variables

Category	Interval	Frequency	Percentage%
Very good	80 - 115	8	10,2
Good	61 - 79	47	60,3
Poor	42 - 60	23	29,5
Very poor	23 - 41	0	0
Amount		78	100%

Source: Processed Data (2025)

Hypothesis Test Results

Hypothesis testing was carried out using multiple regression tests to determine the effect of each independent variable on teacher performance.

Table 4. Anova Test (F Test)

Anova ^a						
Model		Sum of Squares	Df	Mean Square	F	Sig.
1	Regression	411,905	2	211,050	301,714	,004 ^b
	Residual	107,939	75	10,029		
	Total	551,843	77			

Source: Processed Data (2025)

The F-test results show that the F-count value of 301.714 is greater than the F-table (4.05) with a significance of 0.004 < 0.05. This means that simultaneously, the principal's managerial competence, academic supervision, and teacher education level have a significant effect on teacher performance.

Table 5. t Test

Coefficients					
Model		Unstandardized Coefficients		Standardized Coefficients	Sig.
		B	Std. Error	Beta	
1	(Constant)	2,672	10,384		
	X1	,832	,274	,801	2
	X2	,618	,188	,540	5
	X3	,713	,221	,639	2

Source: Processed Data (2025)

The t-test results show that each independent variable has a significant influence on teacher performance with the $t\text{-count} > t\text{-table value}$ and $\text{Sig value} < 0.05$.

Table 6. Determination Coefficient Test

Model Summary^b				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	,876 ^a	,876	,604	2,826

Source: Processed Data (2025)

Based on the results of the coefficient of determination test, the regression equation is obtained, namely: R^2 value = 0.876, which means that 87.6% of teacher performance variability can be explained by the variables of principal managerial competence, academic supervision, and teacher education level. The remaining 12.4% is explained by other variables outside this model.

DISCUSSIONS

The Effect of Principal Managerial Competence on Teacher Performance

Based on data analysis and hypothesis testing, the results of this study prove that the managerial competence of school principals has a significant influence on teacher performance. This means that the better the managerial competence of a principal, the higher the performance of teachers at school. Good managerial competence includes the ability to plan, organize, evaluate, and lead. This shows that principals who have superior managerial skills are able to create a more conducive work environment, support teacher performance, and have a positive impact on the quality of learning provided to students.

According to Rastina (2017), the managerial competence of school principals is the ability to carry out their management functions, namely as planners, implementers, organizers, and supervisors to achieve predetermined goals. A similar view was expressed by Ismuha (2016) who emphasized that managerial competence includes the principal's organizational skills in developing school resources to create an effective and efficient learning environment. Therefore, principals must have skills in managing human resources optimally so that educators can work optimally and contribute to achieving school education goals.

Furthermore, Euis & Doni (2015) stated that the managerial competence of school principals can be seen from their ability to plan, manage change, and empower educators to achieve school goals. An effective and efficient education management process is essential in achieving educational goals. Without good management support, schools will experience organizational disorganization that ultimately hinders the achievement of expected educational goals.

The findings in this study are also in line with several previous studies. Mutoharoh, et al. (2023) stated that the managerial competence of school principals can determine teacher performance. This finding is also supported by research by Siregar (2022) and Junaedi, et al. (2017) who found the influence of the principal's managerial competence on teacher performance. In addition, Meidiana (2020) also confirmed that the better the managerial competence of a principal, the better the performance of teachers in carrying out their duties.

The results of this study reinforce the idea that principals not only act as administrative leaders, but also as strategic managers in the school environment. By applying good managerial competencies, principals can create supportive policies, build teacher motivation, and provide clear directions so that teachers can work more effectively. Therefore, improving the managerial competence of school principals should be a major concern in an effort to improve the overall quality of education.

From this discussion, it can be concluded that the principal's managerial competence is an important factor in improving teacher performance. Therefore, training and development of principals' competencies in managerial aspects must continue to be carried out to improve the effectiveness of school management and the quality of learning for students.

The Effect of Academic Supervision on Teacher Performance

The results of this study prove that academic supervision has a significant effect on teacher performance. This indicates that the better the implementation of academic supervision carried out by school principals, the more teacher performance will improve. Academic supervision plays an important role in improving the quality of teaching and the learning process in schools, because academic supervision focuses on teacher professional development. The main purpose of academic supervision is to provide guidance, direction, and support that can assist teachers in improving their teaching effectiveness.

According to Priansa, et al. (2014), supervision includes all forms of guidance, direction and supervision carried out by principals towards teachers, staff and school employees. Meanwhile, Suharsimi Arikunto (2004) adds that supervision is a monitoring action that aims to identify aspects that are appropriate, inappropriate, or incorrect, with the intention of providing constructive guidance. Therefore, academic supervision not only acts as a supervisory tool, but also as a support mechanism for the development of teacher professionalism.

Effective academic supervision is carried out through several main stages, namely planning, implementation, evaluation and follow-up. In the planning stage, principals develop supervision strategies that are tailored to teachers' needs and learning objectives. The implementation of academic supervision involves classroom observations, reflective discussions and providing feedback to teachers. Evaluation of supervision is conducted to assess the effectiveness of the methods applied, while the

follow-up is in the form of continuous guidance for teachers to ensure continuous improvement in their teaching practices.

The findings of this study are supported by various previous studies. Research conducted by Mutoharoh, et al. (2023) showed that academic supervision has a positive influence on teacher performance. This is in line with the results of Raberi, et al. (2020) and Ramadhan (2017) who found that the implementation of academic supervision by principals has a significant impact on improving teacher performance. Academic supervision is also considered an integral part of educational administration that aims to improve the effectiveness of the work of education personnel, as stated by Nurhayati (2013) and Tohar (2022).

Furthermore, research conducted by Meidiana (2020) emphasizes that academic supervision makes a major contribution to improving teacher performance. Through academic supervision that is structured and based on learning principles and professional development, teachers receive better support, get constructive feedback, and have the opportunity to continue learning and developing. This positive impact of academic supervision creates a more supportive work environment for teachers, which in turn increases their effectiveness in teaching and provides a higher quality learning experience for students.

Thus, it can be concluded that academic supervision is a crucial factor in improving teacher performance. Systematic and continuous implementation of academic supervision can help teachers improve their teaching techniques, increase their motivation and create a more effective learning environment. Therefore, principals need to implement academic supervision with a comprehensive approach, focusing not only on supervision but also on providing support that encourages teachers' professional growth.

The Influence of Education Level on Teacher Performance

Based on the analysis of data and hypothesis testing that has been conducted, the results of this study prove that the level of education significantly affects teacher performance. This indicates that the higher the level of education of a teacher, the greater the investment in the development of their competencies and skills, which impacts the improvement of teaching quality. Teachers with higher levels of education have a deeper understanding of the subject matter, teaching methodologies, and educational theories, making them more capable of designing and implementing effective learning strategies as well as addressing various challenges in the classroom. This improvement directly contributes to the enhancement of teaching quality and overall teacher performance.

Teachers with higher levels of education also have a broader understanding of pedagogy and teaching strategies, which enhances their ability to manage classrooms, use technology in learning, and create a conducive learning environment. This is directly related to the improvement of teaching effectiveness and teacher performance. Teachers with higher education tend to be more skilled, more motivated, and more effective in achieving the established educational goals.

The research conducted by Adawiya (2023) also supports this finding, stating that the level of education has an influence on teacher performance. Furthermore, the research conducted by Kasmawati (2021) reinforces these findings by showing that the level of education contributes positively to the improvement of teacher performance. Furthermore, Dahlia (2021) also found that the level of education has an impact on teacher performance, emphasizing that academic qualifications are an important aspect of the teaching profession. The results of this study indicate that teachers need to have academic qualifications that align with the demands of their profession, because as professional educators, they are expected to deliver effective learning and have a positive impact on students.

With the presence of educational levels in academic qualifications as professional requirements, teachers have the opportunity to deepen their knowledge and develop experiences directly related to improving their performance at school. Therefore, policies that encourage the improvement of education levels for teachers can be a strategic step in enhancing the overall quality of education. Teachers who continuously improve their education will become more competent in facing the ever-evolving dynamics of the education world and will be able to make a greater contribution to shaping an excellent generation.

The Influence of School Principal's Managerial Competence, Academic Supervision, and Education Level on Teacher Performance

Based on the analysis of data and hypothesis testing that has been conducted, the results of this study prove that the managerial competence of school principals, academic supervision, and the level of education influence teacher performance. These findings indicate that the better the managerial competence of the school principal, the more effective the academic supervision conducted, and the higher the education level of the teachers, the better the teachers' performance will be. This is because teachers become more disciplined, have clear directions, and produce more optimal performance.

The results of this study are in line with the findings of Mutoharoh et al. (2023), which state that the managerial competence of school principals and academic supervision are determining factors in teacher performance. Principals who possess good managerial competencies can create an environment conducive to the professional development of teachers. Through effective academic supervision, teachers receive guidance, evaluation, and constructive feedback to improve the quality of their teaching. Furthermore, Meidiana's (2020) research also emphasizes that academic supervision significantly contributes to improving teachers' performance by providing systematic guidance and encouraging innovation in teaching.

Furthermore, Adawiya's research shows that the level of education of teachers has a significant impact on their performance. Teachers with higher levels of education tend to be more prepared to implement the skills and knowledge they have acquired in the learning practice. With a higher level of education, teachers have a broader understanding of teaching methods, evaluation strategies, and approaches that meet the

needs of students. The combination of these three factors, namely the managerial competence of the school principal, academic supervision, and the educational level of the teachers, creates a strong synergy in enhancing the effectiveness of learning in schools.

From a theoretical perspective, the findings of this research reinforce the concept that school principals with good managerial competencies are capable of creating a supportive work environment for teachers. Well-structured academic supervision ensures that teachers receive the necessary guidance to improve their teaching skills. On the other hand, a higher level of education for teachers enables them to be more responsive to educational developments and to adjust their teaching strategies according to the needs of the students.

Thus, the results of this research provide important implications for the education sector, especially in efforts to improve the quality of teaching in schools. Principals need to continuously improve their managerial competencies to create a conducive work environment for teachers. In addition, academic supervision must be conducted continuously and systematically so that teachers receive the support they need in the learning process. Lastly, the improvement of teachers' education levels must be a priority for educational institutions and the government so that the quality of learning in schools continues to increase. With the optimization of these three factors, it is hoped that teacher performance can continue to develop, thereby positively impacting student learning outcomes.

CONCLUSIONS

The results of this study indicate that the managerial competence of school principals, academic supervision, and the education level of teachers have a significant impact on teacher performance. Good managerial competence of the principal allows for the creation of a conducive work environment, provides support for teachers, and enhances the effectiveness of school management. A principal who possesses skills in planning, organizing, and supervising can help increase teachers' motivation and productivity in carrying out their duties.

Academic supervision has proven to be an important factor in improving teacher performance. Supervision conducted systematically through guidance, monitoring, and continuous evaluation can enhance teachers' professionalism and the effectiveness of their teaching. With structured academic supervision, teachers can receive constructive feedback, enhance their pedagogical skills, and develop innovations in teaching.

In addition, the level of education of teachers also has a significant impact on their performance. Teachers with higher levels of education tend to have broader insights into learning strategies, educational technology, and more effective teaching approaches. The higher the level of education of a teacher, the greater their contribution to creating a quality learning experience for students.

Thus, this research confirms that the combination of school principals' managerial competencies, academic supervision, and teachers' education levels significantly contributes to the improvement of teachers' performance. Therefore, the improvement of school principals' competencies in managerial aspects, the implementation of effective academic supervision, and policies that encourage the enhancement of teachers' educational qualifications should be prioritized in efforts to improve the quality of education. With the optimization of these three factors, it is expected that teacher performance can continue to improve, which will ultimately have a positive impact on the quality of learning and student learning outcomes.

REFERENCES

- Adawiyah, R. 2023. Pengaruh Tingkat Pendidikan, Kompetensi Pedagogik, Dan Motivasi Kerja Terhadap Kinerja Guru. *Jurnal Pendidikan*. Vol. 8, No 2. Hal 227-234
- Amril, dkk. (2023). *The Managerial Skills of Principal and Academic Supervision on Teacher's Performance*. *Journal of Social Work and Science Education*. Vol 4, No 1. Hal 251-260
- Anizah. (2018). Pengaruh Kompetensi Manajerial Kepala Sekolah dan Supervisi Akademik Pengawas Sekolah terhadap Kinerja Guru. tesis Manajemen Pendidikan Program Pascasarjana Universitas PGRI Palembang
- Ardiyasa, dkk. 2023. Determinasi Kompetensi Manajerial Kepala Sekolah, Supervisi Akademik, Etos Kerja, dan Motivasi Kerja terhadap Kinerja Guru SMK Teknologi Nasional di Era Revolusi Industri 4.0. *Jurnal Pendidikan dan Pembelajaran*. Vol 2, No 4. Hal 2755-2766
- Audah, Z. (2019). Pengaruh Pendidikan dan Pelatihan Terhadap Kinerja Guru Pada SMA Muhammadiyah Martapura. *Jurnal Aplikasi Pelayaran dan Kepelabuhanan*. Vol 10, No 2. Hal 159-174
- Dahliah & Wahyuni, S. 2021. Tingkat Pendidikan Dan Motivasi Kerja Terhadap Kinerja Guru. *Jurnal bisnis, manajemen dan informatika*. Vol 17, No 3. Hal 298-311
- Euis Karwati dan Doni Juni Priansa. (2015). *Manajemen Kelas. Guru Profesional yang inspiratif, kreatif, Menyenangkan dan Berprestasi*. Alfabeta.
- Ismuha. (2016). Kompetensi Manajerial Kepala Sekolah Dalam Meningkatkan Kinerja Guru Pada SD Negeri Lamklat Kecamatan Darussalam Kabupaten Aceh Besar. *Jurnal Administrasi Pendidikan Program Pascasarjana Unsyia*, 4(1).

Junaedi, J., Nuraeni, N., & Halimah, H. (2019). Pengaruh Kompetensi Manajerial Dan Supervisi Kepala Sekolah Terhadap Kinerja Guru Ra PC Weru Kabupaten Cirebon. *Eduprof: Islamic Education Journal*, 1(2), hal 235-257

Manalu & Lumbanbatu. 2023. Peningkatan Kinerja Guru Pendidikan Agama Katolik melalui Pelaksanaan Supervisi Akademik oleh Kepala Sekolah di SD Swasta Katolik Delitua. Vol 3, No 2. Hal 17-184

Ma'sum, T., Ristianah, N., & In'am, A. (2022). Supervisi Pendidikan Islam. *Jurnal Kependidikan Islam*, 12(1), 100-114

Mediana, Dkk. 2020. Pengaruh Kompetensi Manajerial Kepala Sekolah Dan Supervisi Akademik Terhadap Kinerja Guru. *Jurnal Manajemen, Kepemimpinan, Dan Supervisi Pendidikan*. Vol 5, No 2. Hal 112-119

Muchlis, M. (2022). Implementasi Supervisi Pendidikan dalam Meningkatkan Kinerja Guru. *Alignment: Journal of Administration and Educational Management*, 5(1), 49-58

Mulyasa, E. *Manajemen dan Kepemimpinan Kepala Sekolah*. Jakarta: Bumi Aksara. 2017.

Mutoharoh, dkk. 2023. Pengaruh Kompetensi Manajerial dan Supervisi Akademik Kepala Taman Kanak-kanak Terhadap Kinerja Guru. *Jurnal Edication*. Vol 9, No 1. Hal 155-161

Neng, R. (2016). Pengaruh Kompetensi Manajerial Kepala Sekolah terhadap Kinerja Guru di SMK Merdeka Bandung. Tesis Universitas Pendidikan Indonesia

Nurhayati, S. (2013). Hubungan kinerja supervisor dengan tingkat kompetensi guru sekolah dasar di kota Malang. *Jurnal Kebijakan dan Pengembangan Pendidikan*, 1(2)

Rahmayanti, dkk (2023) *The Impact of Academic Supervision and Professional Competence on the Performance of Teachers of Private Islamic Junior High School*

Teachers In West Jakarta. Journal Of Education And Technology. Vol 7, No 2. Hal 653-665

- Rastina. (2017). Pengaruh Kompetensi Manajerial Dan Supervisi Kepala Sekolah Terhadap Kinerja Guru Sd Di Gugus 1 Kec. Palu Barat Kota Palu. *Konsentrasi Pendidikan Dan Kepengawasan Pascasarjana UIN Alauddin Makassar*, 1-240.
- Sebayang, S & Rajagukguk, T. (2020). Pengaruh Pendidikan, Pelatihan Dan Motivasi Kerja Terhadap Kinerja Guru Di Sd Dan Smp Swasta Budi Murni 3 Medan. *Jurnal Ilmu Manajemen Methanomix. Vol 2, No2. 105-114*
- Siregar, R. B. (2022). Pengaruh Kompetensi Manajerial Kepala Sekolah Dan Iklim Kerja Terhadap Kinerja Guru Pada Masa Pandemi Covid 19. *Biblio Couns: Jurnal Kajian Konseling dan Pendidikan, 5(1), 109-118.*
- Sriyono. (2019) Pengaruh Tingkat Pendidikan Dan Kompetensi Pedagogik Terhadap Kinerja Guru. *Jurnal Pendidikan IPS. Vol 2, No 1. Hal 14-29*
- Sugiyanti & Sabar Narimo. (2016). Pengelolaan Supervisi Akademik oleh Kepala Sekolah di SD Negeri 6 Putatsari Grobogan. *Jurnal Managemen Pendidikan, 11(2)*
- Tohar, M. (2022). Supervisi Manajerial dalam Meningkatkan Pelayanan Administrasi Pendidikan di SMA Negeri 1 Jonggat. *Jurnal Paedagogy, 9(1), 179-185*
- Zevender, Dkk. 2024. Pengaruh Kompetensi Manajerial Kepala Sekolah Terhadap Kinerja Guru Di Smk Tarbiyatul Ulum Karawang. *Jurnal Teknologi Pembelajaran Dan Pendidikan Digital. Vol 1, No 2. Hal 17-26*
- Zisperdi, Z. (2017). Meningkatkan Kemampuan Guru Dalam Pembelajaran IPA Melalui Pola Pelatihan Implementasi Dan Evaluasi (PIE) Pada SD Negeri 028288 Binjai Tahun Pelajaran 2014/2015. *Keguruan, 5(1)*