# BUKTI KORESPONDENSI ARTIKEL JURNAL INTERNASIONAL BEREPUTASI

Judul artikel : Online Learning For Students: Impact And Perception

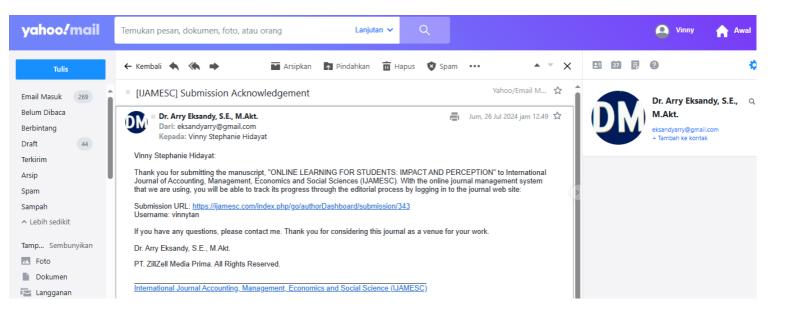
: International Journal of Accounting, Management,

Jurnal Economics and Social Sciences

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No.	Perihal	Tanggal
1.	Bukti konfirmasi submit artikel dan artikel yang	26 Juli 2024
	disbumit	
2.	Bukti konfirmasi review dan hasil review pertama	18 Oktober 2024
3.	Bukti konfirmasi submit revisi pertama, respon	19 Oktober 2024
	kepada reviewer, dan artikel yang diresubmit	
4.	Bukti konfirmasi artikel accepted	3 November 2024

# 1.Bukti Konfirmasi Submit Artikel dan Artikel yang Disubmit (26 Juli 2024)



# ONLINE LEARNING FOR STUDENTS: IMPACT AND PERCEPTION

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#### **Abstract**

Online learning is expanding quickly at all levels of official education, including the university level. This study at one of Bandung, Indonesia's private institutions seeks to ascertain the impact of online learning on students' perceptions and academic performance. All current participants in the Accounting Study Program make up the study's population. The class of 2018-2022 members of the University Accounting Study Program who are currently enrolled in or have completed the Auditing course make up the sample for this study. Purposive sampling is the sample selection technique employed, while the research approach used is explanatory research. Using the T and F tests, multiple regression analysis, and SPSS version 20.0, the study hypothesis is tested. According to the sample technique, questionnaires were given out to 113 students. Additionally, interviews were conducted to find out what students thought of online learning, both positively and negatively. The study's findings indicated that online learning has an impact on academic achievement. Although most students have positive perceptions of online learning, there are some negative ones as well. However, the university can address these negative perceptions by correcting the relevant errors.

Keywords: online learning, perception, academic achievement

### 1. INTRODUCTION

Numerous changes have taken place in the educational landscape, in addition to the Covid-19 pandemic that has affected the entire world for about three years. The adoption of online distance learning represents the biggest transformation. Since up until this point, face-to-face instruction and learning took place, online learning has undoubtedly caused many changes in how students learn.

Students who learn online are encouraged to process the knowledge that is offered by lecturers online. E-learning and online learning are interchangeable terms (Bonk, 2022). E-learning can be summed up as any educational activity that takes place online (Wang, Wang, and Shee, 2007).

According to a study by Ali, Hossain, and Ahmed (2018), e-learning is effective for students of all educational backgrounds. Goyal (2012) claims that touch screen tablets will soon replace paper books as the preferred method of learning since it is interactive, amusing, and engaging (Prasetya and Harjanto, 2020).

Numerous colleges now provide online learning platforms as an alternative to the conventional face-to-face teaching and learning method due to the Internet's quick expansion. The quality of online learning as a whole, however, raises a lot of questions and issues (Yang and Cornelius, 2004).

There are advantages and disadvantages to online learning for both students and teachers. According to Bates and Wulf, the benefits of using online learning media include: (1) fostering interaction in learning; (2) facilitating learning interaction whenever and wherever; (3) having a wide range; and (4) making it easier to refine and store learning materials (Munir, 2009 in Ardiansyah, 2021).

The introduction of online learning presents both lecturers and students with a variety of difficulties. The difficulty lecturers confront is that they have to create teaching resources for students, including slides/teaching materials, learning videos, discussion forums, and post-tests. Additionally, lecturers must check individual and group student assignments and post-tests. The flexibility of online learning is its main selling point, but the preparation and review of student assignments by lecturers takes time. The difficulties that students have are related to their interactions with professors or other students. According to the interview's findings, it was discovered that the network lectures provide limited opportunities for engagement. Students will find it difficult to adjust to learning models that don't allow much face-to-face interaction. Additionally, network connectivity has its own set of difficulties. Few students have access to the internet in their hometowns (Mandasari, 2020).

Given the growth of online learning at various educational levels, including large universities, this study is necessary to learn about how students perceive the types of online learning that they need, find comfortable to use, are comprehensive, and can meet all their educational needs. Students who have a strong understanding of and feel comfortable with online learning are more likely to create enterprises using technology that is appropriate for their industry and simple for customers to understand when making purchases, which will help Indonesia's internet-based industries flourish.

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According to Prasetya and Harjanto (2020), the Covid-19 pandemic that swept the globe prompted the government to implement a number of measures to stop the virus' chain of transmission. The Ministry of Education and Culture released a home learning policy employing online learning in conjunction with the physical distance policy. Online education is an alternative due to its adaptability, which enables students to access information and learning resources without being constrained by time or distance.

Bączek, Zagańczyk-Bączek, Szpringer, Jaroszyński, Wożakowska-Kapłon (2021) stated that the use of information technology for education is known as e-learning (Howlett, Vincent, ,Gainsborough, et al., 2009). According to Blissitt (2016) and Sadeghi, Sedhagat, and Sha Ahmadi (2014), online instruction is being used to supplement traditional approaches (lecturer-led learning) in undergraduate training.

Online learning improves students' academic achievement in terms of learning motivation, learning success, and learning engagement. Students demonstrated the relevance of online learning amid a pandemic. Conducting online learning has advantages such as greater student accomplishment, flexibility, accessibility, and autonomy in learning (Mandasari, 2020).

Lecturers think about how to provide material in a style that students will likely find acceptable and understandable. More absentee students typically perform lower on tests and assignments. The overall trend of academic performance among students remains consistent, as it is during face-to-face learning. Students who diligently participate in class discussions and interact are seen to perform well in all courses conducted (Yaseen, Alsoud, Nofal, Abdeljaber, Al-Adwan, 2021).

The Longman Dictionary of Contemporary English defines perception in general terms as: a) the way you think about things and the ideas connected to them; b) how to pay attention to things with the senses that you have, such as sight, hearing, etc.; and c) the innate capacity to understand or pay attention to things quickly. Perception is defined in philosophy, psychology, and cognitive science as the process of becoming aware of or comprehending sensory data. The Latin word "perception," which implies "receiving, gathering, the act of taking possession, and fear with the mind or senses," is the source of the English word "perception" (Ou, 2017).

#### 3. METHODS

Purposive Sampling, a sampling method that uses predetermined criteria to select the sample, is the technique used in this investigation. All students enrolled in the Auditing Accounting Study Program make up the study's population.

The following student sampling criteria will be employed in this study:

- 1. Students who are currently enrolled in or have previously taken Auditing I, Auditing II, Internal Auditing, and Information Systems Auditing classes.
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This study employed explanatory and descriptive research methods. The study was carried out at one of the private universities in Bandung.

Likert scales 1–5 were utilized in questionnaire/questionnaire data collection procedures, as well as documentation and interview approaches, to gather data for this study. Because it is more of an evaluation of attitudes or opinions, the Likert scale is used to quantify this study variable.

Validity and reliability tests, the classic assumption test, and linear regression are used to test data and hypotheses.

The following are the indicators for each variable:

No	Variables	Indicators	References
		-teaching materials	
	Online Learning	e-discussions	Elshareif &
1		e-assessments	Mohamed (2021)
		-grade checking and	Wioliailleu (2021)
		feedback	
2	Academic Performance	final score	Mandagari (2020)
2		tudent participation	Mandasari (2020)

#### 4. RESULTS AND DISCUSSION

**Findings** 

Description of the studied subject

Active students in the Accounting Study Program, batch 2018–2022, make up the study's subject. Following are the respondent profiles:

- 1. Up to 37.2% of men and 62.8% of women responded to the survey.
- 2. The majority of respondents—47.8%—were 22 or older.

# Hypothesis Testing Validity Test

Table 1
Test of Validity

Items No.	r <sub>xx</sub>	<u>rt</u> able	Results
1	1	0.1848	Valid
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15	0.490	0.1848	Valid

All of the questionnaire items that were given out to respondents are valid, according to the findings of the validity tests, where the r number is computed to be higher than the r table.

# **Reliability Test**

Table 2 Reliability Test

Reliability Statistics

Ç	ronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
	.892	.894	15

If the result (cronbach alpha) is more than 0.60, the variable is considered to be dependable. Since this research variable has a Cronbach alpha of 0.892, it is considered reliable.

# **Normality Test**

Table 3
Normality Test

One-Sample	Kolmogorov	-Smirnov Test

		Unstandardized Residual
N		113
Namual Barrana starral b	Mean	0E-7
Normal Parametersa,h	Std. Deviation	2.28503278
	Absolute	.077
Most Extreme Differences	Positive	.077
	Negative	060
Kolmogorov-Smirnov Z		.821
Asymp, Sig. (2-tailed)		.511

a. Test distribution is Normal.

According to the test findings' interpretation, the data has a normal distribution because every variable has a significance level over 0.05, with a significance level of 0.511.

### **Heteroscedasticity Test**

Table 4

# **Heteroscedasticity Test**

Coefficients <sup>a</sup>						
Model		Unstandardize	ed Coefficients	Standardized Coefficients	t	Sig.
		В	Std. Error	Beta		
,	(Constant)	1.033	1.211		.853	.395
1	X	.023	.038	.056	.590	.557

a. Dependent Variable: Abs. RES.

According to the interpretation of the test findings, there is no heteroscedasticity in the data because every variable has a sig value over 0.05, where sig is equal to 1. This research's data were subjected to a classical assumption test, which revealed that the results were normally distributed and heteroscedasticity-free.

Additionally, linear regression analysis is used to see if the independent variable has an impact on the dependent variable.

b. Calculated from data.

#### Tests Of Partial Significance (T-Test) For Research Findings

# Table 5 t-Test

# Coefficients

Model		Unstandardize	ed Coefficients	Standardized Coefficients	t	Sig.
		В	Std. Error	Beta		
1	(Constant)	8.736	1.887		4.629	.000
1	X	.614	.060	.698	10.265	.000

a. Dependent Variable: Y

#### Online Learning's Impact on Academic Performance

Based on the results of the SPSS calculations, a t value of 10,265 and a sig value of 0.000, where the sig value is less than 0.05, are obtained. Therefore, it can be argued that the independent variable (Academic Achievement) is significantly positively impacted by the independent variable (Online Learning).

The following findings were attained from the test results:

H1: Academic Achievement is Affected by Online Learning

#### **Discussion**

Academic achievement is affected by online learning. The findings of this study are consistent with those of Mandasari's (2020) study, which found that online learning improves student academic performance in terms of learning motivation, learning success, and learning engagement. Students demonstrated the relevance of online learning during a pandemic as well. Conducting online learning has advantages such as greater student accomplishment, flexibility, accessibility, and autonomy in learning.

Gat, et al. (2021) stated the same thing. This study found a favorable, substantial relationship between online learning characteristics and student academic progress. Online learning can enhance collaborative learning methods.

In an online learning environment, students can actively interact with their peers and professors. But the offered online learning activities don't add much to students' academic success in terms of real value.

With the use of interviews and the distribution of questionnaires, a study involving 113 students was carried out. The purpose of the interview was to learn how students felt about online education.

These outcomes were attained (adapted from Yang and Cornelius, 2004).

#### **Benefits of Online Education:**

- 1. Flexibility (92%)
- 2. Economic Efficiency (73.5%)
- 3. Access to Online Lecture Resources (55.8%)
- 4. Simple User Interface to Locate the Information You Need (38.1%)
- 5. Access to the internet is simple (27.4%)
- 6. Understand Professors Well (8.8%)

DOI: https://doi.org/10.61990/ijamesc.v1i6.98

According to the interview's findings, flexibility is what online learning offers students the greatest in terms of advantages. Anywhere in the world, students are free to attend lectures. This relates to the second benefit that students value most, namely cost-effectiveness. Transport expenses can be cut because going to campus is not necessary. The availability of lecture materials online is the third benefit. Students are not restricted to attending lectures; they can review the lecture contents at any time and anyplace.

The e-learning user interface, which makes it simple to find the required materials, is the fourth benefit. Because it can make it simpler for students to access and locate the required lecture materials, the user interface is crucial. A difficult user interface may discourage students from using e-learning. The simplicity of connecting to the internet is the fifth benefit. Nowadays, the majority of people have access to the internet. Students have access to quota and wifi for internet use, which can be utilized to stream lectures.

The sixth benefit is having good relationships with academics. Although lectures are given online, students can still get to know professors well since modern online learning platforms, such Ms. Teams, Zoom, and Google Meet, provide call and video call features that enable seamless real-time interaction between students and professors. Some students believe that talking in person is more liberating than talking online because talking online can be interrupted by poor networking and concerns about speaking when filmed, despite the fact that online learning can also be seen as limiting in-person connection.

According to students, there are a number of areas where online learning still needs to be improved, including:Although students need real-time and interactive input from professors, this is occasionally impossible due to the restricted online interaction and occasionally occurring network outages.

However, this can be avoided by using other online communication tools, such as chat through a variety of applications like Whatsapp and Line, email, and the ability to schedule time especially with lecturers to discuss concepts that are not clear.

Students also demand lectures that are not boring. This can be avoided by engaging in a variety of activities when learning online, such as taking quizzes on engaging websites like Kahoot!, Display case studies that are relevant to the situation right now and the circumstances of the students, and display engaging instructional videos.

Additionally, students feel that by attending lectures online, they are lacking in self-control and motivation. Due to the adaptability of online lectures, students may lack sufficient preparation in terms of time management and lecture materials. Making a to-do list and sticking to a timetable will help students to get over this.

Students experience isolation. They experience loneliness since they don't communicate with their peers in the actual world. Because they frequently mingle, eat together, and have fun with their coworkers before or after attending lectures. Making a plan of regular meetings with coworkers will help with this. These meetings can be used for responsibilities as well as to just talk and have fun with coworkers while getting rid of any remaining feelings of homesickness. This may make pupils more eager to teach others.

Students also seek dependable technical support. There will inevitably be some technical issues with online lectures, such as forgetting usernames and passwords, having trouble logging into e-learning portals, and so forth. All these issues can be easily resolved with sufficient technical assistance, preventing any disruptions to the teaching process.

#### 5. CONCLUSION

The majority of students who were interviewed thought online learning was beneficial. According to the interview findings, the flexibility of online learning is its greatest asset. Students claimed that because of the flexibility of online learning, they can attend classes anywhere. Online education offered a great way to obtain lessons from anywhere at any time because it was not restricted by time or place. The online setting offers students a practical approach to incorporate education into their hectic schedules (Yusnilita, 2020)..Because they are a part of the university's LMS, teaching materials can also be accessible at any time and from anywhere. Students will find it simpler to review the lessons that have been taught by the lecturer as a result.

According to the interview findings, the negative perception of online learning that needs to be highlighted is the sensation of isolation because it has an impact on students' mental health, which undoubtedly affects academic achievement. More intensive interaction is needed in online learning, For instance, group collaboration when completing tasks, opening the camera during lectures, and other activities.

#### **AKNOWLEDGEMENTS**

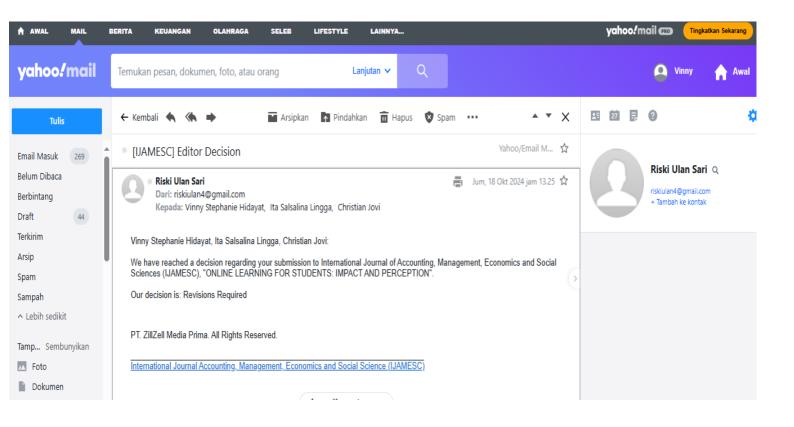
The researcher expressed his gratitude for the support provided by the Fakultas Hukum dan Bisnis Digital especially the S-1 Accounting Study Program of Universitas Kristen Maranatha and LPPM Universitas Kristen Maranatha

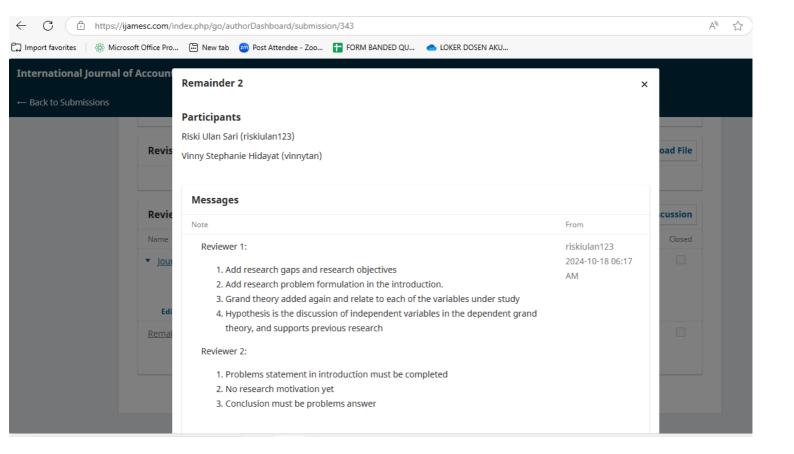
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# 2.Bukti Konfirmasi Review dan Hasil Review Pertama (18 Oktober 2024)





# 3. Bukti Konfirmasi Submit Revisi Pertama, Respon kepada Reviewer, dan Artikel yang Diresubmit (19 Oktober 2024)



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Keywords: Academic Achievement; Online Learning; Perception,

#### 1. INTRODUCTION

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#### 4. RESULTS AND DISCUSSION

#### **Findings**

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		В	Std. Error	Beta							
1	(Constant)	1.033	1.211		.853	.395					
	X	.023	.038	.056	.590	.557					

a. Dependent Variable: Abs. RES

According to the interpretation of the test findings, there is no heteroscedasticity in the data because every variable has a sig value over 0.05, where sig is equal to 1. This research's data were subjected to a classical assumption test, which revealed that the results were normally distributed and heteroscedasticity-free.

Additionally, linear regression analysis is used to see if the independent variable has an impact on the dependent variable.

b. Calculated from data.

#### Tests Of Partial Significance (T-Test) For Research Findings

# Table 5 t-Test

### Coefficients

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		В	Std. Error	Beta		
1	(Constant)	8.736	1.887		4.629	.000
1	X	.614	.060	.698	10.265	.000

a. Dependent Variable: Y

### Online Learning's Impact on Academic Performance

Based on the results of the SPSS calculations, a t value of 10,265 and a sig value of 0.000, where the sig value is less than 0.05, are obtained. Therefore, it can be argued that the independent variable (Academic Achievement) is significantly positively impacted by the independent variable (Online Learning).

The following findings were attained from the test results:

H1: Academic Achievement is Affected by Online Learning

#### **Discussion**

Academic achievement is affected by online learning. The findings of this study are consistent with those of Mandasari's (2020) study, which found that online learning improves student academic performance in terms of learning motivation, learning success, and learning engagement. Students demonstrated the relevance of online learning during a pandemic as well. Conducting online learning has advantages such as greater student accomplishment, flexibility, accessibility, and autonomy in learning.

Gat et al. (2021) stated the same thing. This study found a favorable, substantial relationship between online learning characteristics and student academic progress. Online learning can enhance collaborative learning methods.

In an online learning environment, students can actively interact with their peers and professors. But the offered online learning activities don't add much to students' academic success in terms of real value.

With the use of interviews and the distribution of questionnaires, a study involving 113 students was carried out. The purpose of the interview was to learn how students felt about online education.

These outcomes were attained (adapted from Yang and Cornelius, 2004).

#### **Benefits of Online Education:**

- 1. Flexibility (92%)
- 2. Economic Efficiency (73.5%)
- 3. Access to Online Lecture Resources (55.8%)
- 4. Simple User Interface to Locate the Information You Need (38.1%)
- 5. Access to the internet is simple (27.4%)
- 6. Understand Professors Well (8.8%)

According to the interview's findings, flexibility is what online learning offers students the greatest in terms of advantages. Anywhere in the world, students are free to attend lectures. This relates to the second benefit that students value most, namely cost-effectiveness. Transport expenses can be cut because going to campus is not necessary. The availability of lecture materials online is the third benefit. Students are not restricted to attending lectures; they can review the lecture contents at any time and anyplace.

The e-learning user interface, which makes it simple to find the required materials, is the fourth benefit. Because it can make it simpler for students to access and locate the required lecture materials, the user interface is crucial. A difficult user interface may discourage students from using e-learning. The simplicity of connecting to the internet is the fifth benefit. Nowadays, the majority of people have access to the internet. Students have access to quota and wifi for internet use, which can be utilized to stream lectures.

The sixth benefit is having good relationships with academics. Although lectures are given online, students can still get to know professors well since modern online learning platforms, such Ms. Teams, Zoom, and Google Meet, provide call and video call features that enable seamless real-time interaction between students and professors. Some students believe that talking in person is more liberating than talking online because talking online can be interrupted by poor networking and concerns about speaking when filmed, despite the fact that online learning can also be seen as limiting in-person connection.

According to students, there are a number of areas where online learning still needs to be improved, including: although students need real-time and interactive input from professors, this is occasionally impossible due to the restricted online interaction and occasionally occurring network outages.

However, this can be avoided by using other online communication tools, such as chat through a variety of applications like Whatsapp and Line, email, and the ability to schedule time especially with lecturers to discuss concepts that are not clear.

Students also demand lectures that are not boring. This can be avoided by engaging in a variety of activities when learning online, such as taking quizzes on engaging websites like Kahoot!, Display case studies that are relevant to the situation right now and the circumstances of the students, and display engaging instructional videos.

Additionally, students feel that by attending lectures online, they are lacking in self-control and motivation. Due to the adaptability of online lectures, students may lack sufficient preparation in terms of time management and lecture materials. Making a to-do list and sticking to a timetable will help students to get over this.

Students experience isolation. They experience loneliness since they don't communicate with their peers in the actual world. Because they frequently mingle, eat together, and have fun with their friends before or after attending lectures. Making a plan of regular meetings with friends will help with this. These meetings can be used for responsibilities as well as to just talk and have fun with friends while getting rid of any remaining feelings of homesickness. This may make students more eager to teach others.

Students also seek dependable technical support. There will inevitably be some technical issues with online lectures, such as forgetting usernames and passwords, having trouble logging into e-learning portals, and so forth. All these issues can be easily resolved with sufficient technical assistance, preventing any disruptions to the teaching process.

#### 5. CONCLUSION

The majority of students who were interviewed thought online learning was beneficial. According to the interview findings, the flexibility of online learning is its greatest asset. Students claimed that because of the flexibility of online learning, they can attend classes anywhere. Online education offered a great way to obtain lessons from anywhere at any time because it was not restricted by time or place. The online setting offers students a practical approach to incorporate education into their hectic schedules (Yusnilita, 2020). Because they are a part of the university's LMS, teaching materials can also be accessible at any time and from anywhere. Students will find it simpler to review the lessons that have been taught by the lecturer as a result. According to the interview findings, the negative perception of online learning that needs to be highlighted is the sensation of isolation because it has an impact on students' mental health, which undoubtedly affects academic achievement. More intensive interaction is needed in online learning, For instance, group collaboration when completing tasks, opening the camera during lectures, and other activities.

#### **AKNOWLEDGEMENTS**

The researcher expressed their gratitude for the support provided by the Fakultas Hukum dan Bisnis Digital especially the Accounting Study Program of Universitas Kristen Maranatha and LPPM Universitas Kristen Maranatha

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# 4. Bukti Konfirmasi Artikel Accepted (3 November 2024)

