



Model of Integrity and Student Independence at the University

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Article History: Received: xx.xx.2023

Revised: xx.xx.2023

Accepted: xx.xx.2023

Abstract

The purpose of this study was to identify the profile of integrity and on their independent learning. By identifying the profiles of the integrity of students and their effects on independent learning, this research is expected to provide useful information for universities institutions and the general public in improving the quality of education and the ability to learn independently. This research used a quantitative research design. The study population was students who were active when the research was conducted. Samples taken using simple random sampling techniques. A total of 193 students became the investigation sample which was determined by simple random sampling technique. The data collection instrument that can be used is a questionnaire. Descriptive statistical techniques used to explain the profile of integrity and learning independence of students. Inferential statistical techniques with regression used for determine the effect of integrity on learning independence of students. The findings of this research indicated that: (1) The integrity profile of university students fell within the moderate category, accounting for 32.64%, (2) The profile of student learning independence at universities was categorized as high, comprising 29.11%, (3) There was no significant impact of integrity on student learning independence.

Keywords: Integrity, Independence, Student

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DOI: 10.48047/ecb/2023.12.8.66

Introduction:

Education is an important factor in achieving the progress and welfare of society. In today's digital era, integrity is an attitude that is very necessary in everyday life, including in the world of education[1]. Integrity and independence of students is very important at the university because both are fundamental values that must be owned by every student who wants to achieve success in their education and career in the future.[2][3]

Integrity is a quality that denotes honesty, morality and adherence to ethical principles[4]. Students who have high integrity tend to be able to respect ethical values and maintain moral standards[5] in all situations. This is very important in universities because students must be able to comply with academic codes of ethics and avoid unethical academic behavior such as cheating, plagiarism, and collusion[6]. By having high integrity, students can maintain their own reputation and that of the university and increase their academic credibility[7].

Independence is a person's ability to lead his own life without depending on others. Independent students tend to have the ability to make good decisions and be responsible for their own actions[8]. Independence can also help students overcome problems encountered during their studies at the university[9]. Independent students tend to be better able to manage their time well[10], set priorities[11], and take responsibility for their learning outcomes[12]. This can help them achieve their academic and career goals more effectively[13].

Overall, student integrity and independence are very important at the university because they are foundational values that can help students achieve their academic and career goals[14][15]. In addition, these values can also help students build a good reputation and gain appreciation from the academic community[16]. Therefore, universities must ensure that the values of integrity and independence are instilled in their educational programs and made as an important part of the learning process[17][18].

In addition, integrity also helps in maintaining the quality of education provided by universities. With integrity, educators and students can work together to achieve the desired educational goals. This can also help in encouraging students to learn independently and improve their quality.[19]

Integrity can also help in promoting social responsibility in education[14] at universities. Students can learn about moral and ethical values that are important in everyday life, such as integrity, honesty, and respect for the rights of others[20]. By learning these values, students can become responsible citizens and have a positive impact on the surrounding community.[21][22]

In this case, integrity also plays an important role in building universities positive reputation in the community[23]. Universities with integrity can build a good image and be respected by the global community. Therefore, integrity is very important in building universities's trust and reputation in the community.[24]

The purpose of this study was to identify the profile of integrity and on their independent learning. By identifying the profiles of the integrity of students and their effects on independent learning, this research is expected to provide useful information for universities institutions and the general public in improving the quality of education and the ability to learn independently.

The novelty of the research "Integrity and Independent Learning Profiles of Students at the University" lies in the study of student profiles in the aspects of learning integrity and independence. This research provides a deeper understanding of the integrity and independence of student learning at universities, both individually and in social and academic contexts.

In addition, this research also provides a more holistic understanding of the factors that influence the integrity and independence of student learning, such as educational background, study habits, and personal characteristics. This study also combines quantitative and qualitative measurements to provide a more complete picture of student profiles in the aspects of learning integrity and independence. Thus, this research makes an important contribution to the understanding of student profiles at universities, especially in the aspects of learning integrity and independence. This research

can be used as a basis for developing programs and policies that are more effective in increasing the integrity and independence of student learning, so as to improve the quality of education and student success in the future.

Methods

This research use a quantitative research design. This research design allows researchers to collect numerical data that can be calculated and analyzed using statistical techniques[25]. The study population was students who were active when the research was conducted. Samples can be taken at random using simple random sampling techniques. A total of 193 students became the investigation sample which was determined by simple random sampling technique. The data collection instrument that can be used is a questionnaire[26]. Questionnaires can be used to collect data regarding integrity, and learning independence of students. Questionnaires can contain questions related to integrity, and the level of independent learning, and factors that affect independent learning.

The data obtained from the questionnaires can be analyzed using descriptive and inferential statistical techniques[27]. Descriptive statistical techniques can be used to explain the digital literacy profile and learning independence of students. Inferential statistical techniques with correlation are used if the data is normally distributed to determine the relationship between digital literacy profiles, and integrity, with the learning independence of students. To ensure the validity and reliability of the instrument, validity and reliability tests were carried out on the questionnaire instrument before being used in research. Validity test is done by measuring the extent to which the instrument can measure the variable being measured[27]. The reliability test is carried out by measuring the extent to which the instrument is consistent in measuring the same variable at different times[28].

Result and Discussion

The results of the research showing the integrity and independence model of student learning are presented as follows

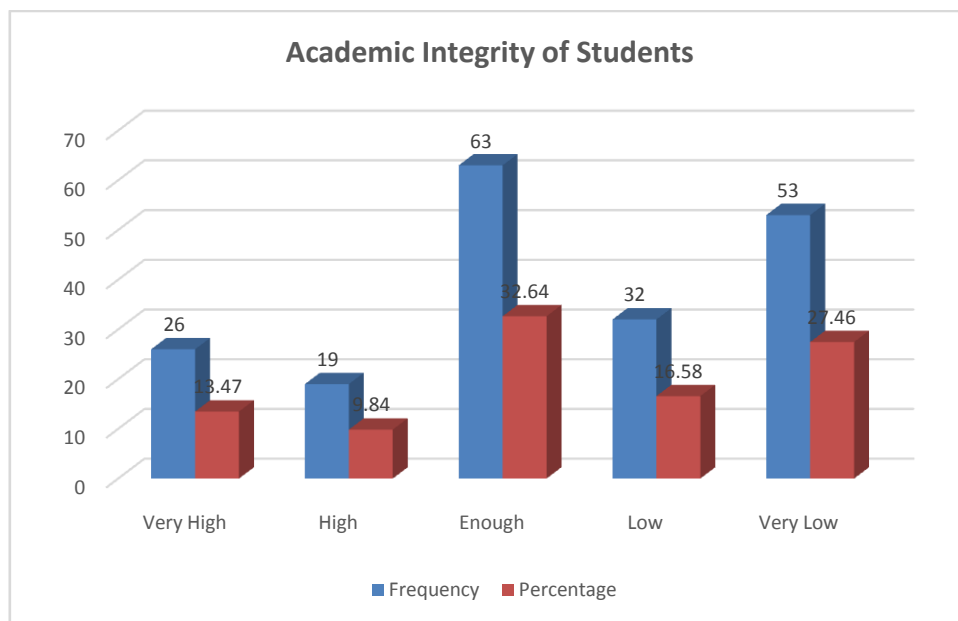


Figure 1. Graph of student integrity at the university

Figure 1 shows that student integrity is dominated by the enough categories (32.64%).

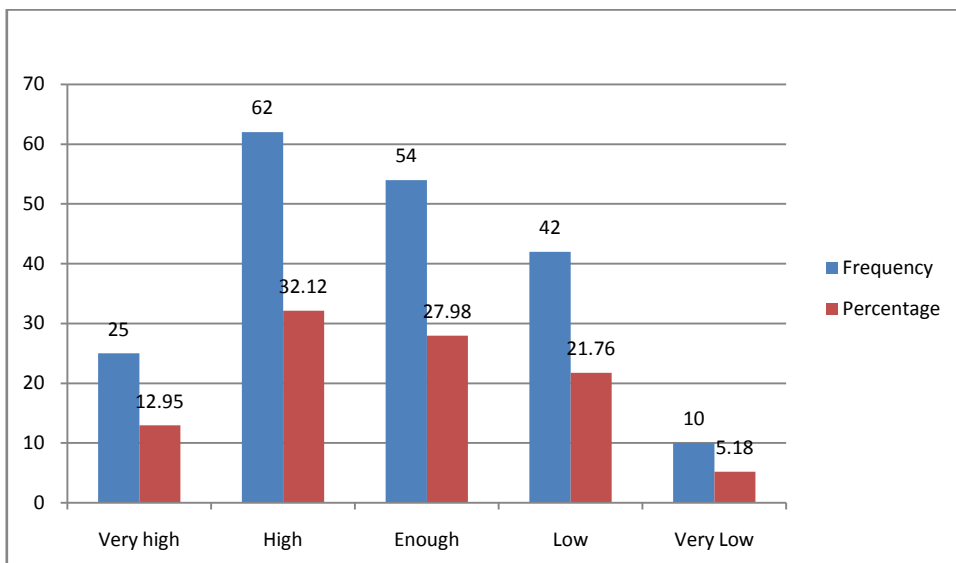


Figure 2. Graph of Student Learning Independence

Figure 2 shows that learning independence is dominated by the high categories (32.12%).

Statistical testing of research results was carried out in two stages. The first stage is the normality assumption test, heteroscedasticity, and multicollinearity test. The second stage is parametric statistical testing using multiple regression techniques if the data is normally distributed. However, if the data is not normal, the hypothesis test uses non-parametric statistics (logistic regression).

The data normality test uses the Kolmogorov-Smirnov test which is described as follows

Table 1. Output of Normality Test

Variable	p-value
Integrity	.607
Independence	.456

Table 1 shows the results of the normality test which shows that the integrity variable is normally distributed because it has a probability value of $0.607 > 0.05$. The independence variable has a normal distribution because it has a probability value of $0.456 > 0.05$.

The next assumption test is the heteroscedasticity test which is described as follows:

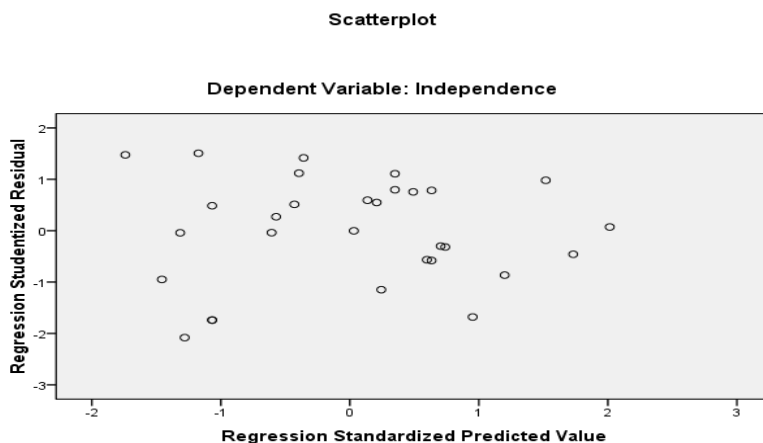


Figure 3. Heteroscedasticity Test Graphic Output

Figure 3 shows the output of the heteroscedasticity test graph which shows that there are no symptoms of heteroscedasticity because the data points are spread evenly both under the 0 axis and below the 0 axis, and do not form a specific pattern.

The next assumption test is the multicollinearity test which presents the results as follows:

Table 2. Multicollinearity Test Output

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	Intgrity	.911	1.087

Table 2 shows that all variables have a tolerance value > 0.1 and a VIF value < 10 . So it can be concluded that there are no symptoms of multicollinearity. After testing the assumptions, information is obtained that the data are normally distributed, there is no heteroscedasticity, and are free from multicollinearity, so the hypothesis testing uses parametric statistical tests, namely multiple linear regression.

The results of testing the first hypothesis that there is an effect of data literacy and digital literacy partially on student academic integrity are presented as follows.

Table 3. Partial Test Results (t-test)

Variable	(p-value)	Meaning
Integrity \rightarrow Independence	0.779	The research hypothesis rejected

Table 3 shows that if the Sig value (p-value) < 0.05 then the research hypothesis is supported. Based on these results, it is concluded that integrity not influence on learning independence because significant value less than 0.05

Table 4. Simultaneous Test Results (F test)

Model		F	Sig.
1	Regression	2.658	.088^a
	Residual		
	Total		

Table 4 shows the results of the simultaneous test (Anova shows that the Fcount value is 2.658 $< F_{table}$, and the Sig. value is 0.08 > 0.05 . So it is concluded that the independent variables haven't significant effect on the dependent variable.

To find out how much influence the independent variables have on the dependent variable, the results of this study are known through the results of the coefficient of determination test as follows.

Table 5. Test Results for the Coefficient of Determination

Model Summary ^a					
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	.406 ^a	.165	.103	3.267	1.940

a. Predictors: (Constant), Integrity

b. Dependent Variable: Independent learning

Table 5 The Summary Model shows that the adjusted R Square value is 0.165 which means that the learning independence variable is influenced by variations in integrity is 16,5%, and the remaining 83,5% is influenced by other variables outside of this study.

Discussion

The results of research on student integrity obtained information that integrity is included in the sufficient category. There are several factors that can cause research results to show that the integrity of students only reaches the moderate category, and does not reach a higher level. Some of these factors include:

Lack of understanding of the importance of integrity: Many students may not fully understand how important integrity is in an academic context. As a result, they may not feel compelled to strengthen their integrity as they study. Education and awareness about the importance of integrity can help improve this situation.[29]

Academic pressure: The pressure to succeed at university can be enormous and can be a source of high stress. Some students may feel the need to cheat or commit dishonest acts to achieve success. Education and developing healthy coping strategies can help students manage stress and pressure without compromising their integrity[30].

Lack of strict sanctions: In some cases, dishonesty and unethical behavior by students may not result in sufficient sanctions from the university. Students may feel that there is no risk in engaging in unethical behavior because the penalties are not too severe. An academic environment that is rigorous and clarifies the consequences of unethical behavior can help encourage integrity among students[31].

Environmental influences: Classmates or groups can have a large influence on student behavior. If a large proportion of their classmates or group engage in unethical behavior, students may feel compelled to comply with that behavior. In this regard, it is important for universities to create an environment that supports integrity and provides exemplary examples for students[32].

In order to enhance student integrity, universities can take several actions such as providing ethics and integrity training, enforcing clear rules and strict sanctions, developing an academic environment that supports integrity and prioritizing exemplary examples from faculty and staff.[33]

The results of this study indicate that integrity does not have a significant influence on students' learning independence. Integrity refers to honesty, confidence in one's actions and attitudes. Meanwhile, student learning independence refers to their ability to learn independently without depending on the help or supervision of others. Integrity is indeed important in shaping the character and positive moral values of students[34]. However, it cannot be concluded that integrity has a significant direct influence on the independent learning of students at community learning activity centers.

Several factors that can affect the independent learning of students at universities are motivation, interest, ability, environmental support, and the availability of adequate learning resources[35]. In addition, factors such as learning culture, parenting style, and past learning experiences can also affect students' independent learning[36].

Even though integrity does not have a significant direct effect on student learning independence, integrity values applied in learning activities can help shape positive attitudes and behavior in students. Therefore, it is important for community learning activity centers to apply the values of integrity in every aspect of learning activities in order to form positive character and moral values in students.

Based on the study results, the majority of students possess basic knowledge of using digital libraries, locating information relevant to their topics, organizing data to solve problems, and generating solutions. However, some respondents acknowledged lacking critical and creative skills in interpreting academic references, searching databases effectively, and evaluating the quality of websites. This lack of proficiency could be attributed to students' overreliance on a single search engine, such as Google, for internet searches. Moreover, many students tend to plagiarize from websites without giving proper attribution and are not fully aware of ethical considerations when it comes to copying information[37] This of course undermines the academic integrity of students as prospective professional workers, or scholars who must have integrity in their work.

Conclusion

The results of this study concluded that (1) the integrity profile of students at universities was in the moderate category (32.64%), (2) the profile of student learning independence at universities was in the high category (32.12%), (3) integrity had no significant effect on student learning independence. Following are some of the implications of this research: (1) Improving the Quality of Education: This research shows that learning integrity and independence are important factors in achieving success in university. Therefore, universities must pay attention to and facilitate the development of student learning integrity and independence, because both of these will help improve the quality of education and student success in the future. (2) Establishing High Ethical Values: This research shows that high ethical and moral values are very important for students in achieving success in university and life. Therefore, universities should establish high ethical values and promote good ethics and morality in their learning environment. Therefore, universities must pay attention to and facilitate the development of the integrity and independence of student learning to improve the quality of education and student success in the future

Acknowledgement

Highest appreciation to all student who have participated in this research

Conflict of Interest

All authors state that there is no conflict of interest in the publication of the results of this study

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