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THE INFLUENCE OF PERSONALITY AND FINANCIAL LITERACY TOWARDS INVESTMENT DECISION AMONG STUDENT IN FACULTY OF ECONOMY AND BUSINESS UNIVERSITY OF SAM RATULANGI

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Informasi	Abstract

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This study explores the influence of Personality and Financial Literacy on Investment Decisions among students of the Faculty of Economics and Business, Sam Ratulangi University. The increasing number of investors in the Indonesian capital market, especially among the younger generation, requires a deeper understanding of the factors that drive investment behavior. In mid-2022, data from KSEI showed a significant increase in stock investors, with 81.64% of investors under the age of 40, especially from Generation Z and Millennials. This demographic trend indicates a strong interest in investment opportunities even though many individuals do not yet have a stable income. This study used a quantitative methodology, using a structured questionnaire to collect data from students. The findings of this study indicate that Personality and Financial Literacy significantly influence Investment Decisions. This study concludes that improving financial literacy programs and personality development workshops can significantly improve students' ability to make good investment decisions. This study contributes to the understanding of how personality traits and financial knowledge influence investment behavior especially among young adults, providing valuable insights for students, educators and policymakers who aim to promote financial literacy.

Keywords : *Cloves, Break Even Point Test, Income.*

A. INTRODUCTION

1. RESEARCH BACKGROUND

The Indonesian capital market has witnessed a surge in investors, particularly among younger generations. By mid-2022, stock market investors under 40, primarily Gen Z and millennials, accounted for 81.64% of the market, holding assets worth Rp144.07 trillion. This trend highlights a growing interest in investment, especially among young individuals, even those with limited income streams like students. Making sound investment decisions is crucial for securing financial future. Factors such as risk tolerance, investment goals, and access to information significantly influence investment choices.

Financial literacy plays a pivotal role in informed investment decisions. It empowers individuals to understand financial concepts, make sound financial choices, and manage their finances effectively. Research has shown that individuals with higher financial literacy are better equipped to assess investment opportunities, manage risks, and achieve their financial goals. However, studies have primarily focused on the impact of financial literacy on investment decisions, neglecting the influence of personality traits.

This research aims to bridge this gap by investigating the combined influence of personality and financial literacy on investment decisions among students at the Faculty of Economics and Business, Sam Ratulangi University. By examining these factors, this study seeks to provide valuable insights into the decision-making processes of young investors and contribute to a deeper understanding of the factors that drive investment behavior.

2. THEORETICAL STUDIES

a. Financial Theory

According to (Lyne Sampson, 2023) Financial management is about controlling the flow of money in and out of the organization. every business needs to sell products or services, pay expenses, balance the books, and file taxes. Financial management encompasses all of this, along with more complex processes, such as paying employees, buying supplies, and submitting reports to government agencies to show they're obeying applicable laws and regulations. The act of overseeing all these transactions for a business is what we mean when we talk about a company's financial management.

Financial management implies the strategy and control of all the economic resources of a company or business to achieve business objectives through financial planning. The position of financial advisor entails suggesting the best way to increase capital and optimize business income. This is a more creative position, as the tax advisor bases his decisions within a rigid legal framework and set of rules.

b. Personality Theory

Personality can be defined through two broad approaches, namely, interpersonal attributes, i.e. the way through which individuals communicate among themselves, and dispositional attributes, i.e. behaviors of an individual because of his/her own internal characteristics. These attributes have been used to study the behaviours and emotions shown by an individual. This study uses the first approach, wherein personality has been conceptualized through Big-Five personality traits, which include Extraversion, Openness to experience, Neuroticism, Conscientiousness and Agreeableness (Akhtar and Das, 2019).

Effective financial management is a crucial aspect of attaining success and satisfaction in life. It applies to individuals across all segments of society. When individuals possess the necessary knowledge and skills to manage their finances and approach financial challenges responsibly, they can achieve a state of financial contentment. The utilization of financial technology further enhances this ability by simplifying transactions and facilitating access to funding.

The determinants of adult financial capability, financial knowledge, and financial distress are important as they can have a considerable impact on a person's health and welfare. This study examines four groups of variables as they relate to these finance variables namely demographics (age, education, gender, income, and work status), ideology (political and religious beliefs), personality (Big Five traits), and attitudes toward money (O'Creevy and Furnham, 2019).

Personality traits have a significant impact on how investors behave and perform in the stock market. These traits are characterized by an individual's unique thoughts, feelings, and behaviors, which influence their responses in various situations. While existing research has looked into personality traits in areas like portfolio selection, risk tolerance, and investment management, there is limited study on how these traits relate to the behavioral biases that investors may exhibit in the stock market (Baker et. al., 2018).

c. Behavioral Financial Theory

Financial behavior refers to individuals' reactions and actions in response to information they receive, particularly when it comes to making financial decisions. Key indicators of financial behavior include creating and adhering to budgets, saving money, setting financial goals, meeting financial obligations on time, considering multiple options when making financial choices, and participating in financial markets through investments (Chavali et. al., 2021).

Behavioral finance has made significant progress in understanding how financial markets operate and how investors make decisions. One important aspect of this field is recognizing that financial decision-making is not purely rational, but rather influenced by emotions. Research has demonstrated the significant impact of emotions on decision-making in various contexts. For example, Bouzguenda examines how "emotional intelligence" affects corporate decision-making, while Breaban and Noussair (2018) and Conte et al. (2018) investigate the influence of emotions on risk-taking. In a more specialized study, it was found that the hajj pilgrimage has a positive emotional impact on investor sentiment in the Saudi stock market. Additionally, Hirshleifer (2020) highlights the role of social connections in financial decision-making, potentially exacerbating individual biases. These studies shed light on the complex interplay between emotions, social factors, and financial decision-making (Brooks and Williams, 2021).

Behavioral Finance Theory explores and emphasizes the importance of comprehending individuals' behavioral patterns and motivations, including emotional and personality factors, in order to gain insights into financial matters from a human perspective. Financial literacy refers to the understanding and knowledge of financial concepts and risks, as well as the skills, motivation, and beliefs needed to apply this knowledge and understanding to make informed financial decisions, enhance one's financial well-being, and actively participate in the economy. Possessing financial skills enables individuals to make logical and effective decisions regarding their finances and economic resources. By equipping themselves with solid financial knowledge, individuals can exhibit responsible financial behavior and effectively manage their financial situations (Farida et. al., 2021).

The goal of behavioral finance is to understand and predict the implications of systematic financial implications from a psychological perspective. However, Olsen emphasizes that so far there is no integrated theory of behavioral finance, and so far what is found in the literature is limited to an integrated theory of behavioral finance.

d. Empirical Studies

Research by Muhammad Arsalan Hashmi, Abdullah, Tariq Jalees, Ume Amena, Muhammad Arsalan investigates the role of Financial Literacy and Investor Overconfidence towards the Personality Traits and Cultural Norms Effect on Investment results indicate that overconfidence, extroversion, introversion, individualism and collectivism positively affect investment decisions. This study intends to examine how behavioral factors, such as personality traits and cultural norms, affect Pakistani investors' decisions while considering the moderating effect of financial literacy and the mediating role of investor overconfidence. Further, they found that overconfidence reduces herding bias while financial literacy moderates the relationship.

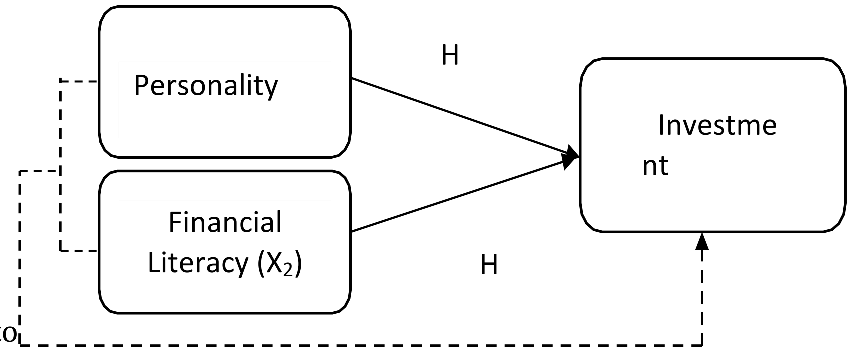
Research by Rahardjo, Jessica Christa Atmaji, Atmaji was conducted with the aim of knowing the effect of financial behavior, financial attitude, and financial literacy on the decisions of investment application users. The total population in this study was 270.661 people, and a total of 471 respondents filled out the questionnaires online. This study comes to an end that this study indicates that financial behavior has a positive effect on the investment decisions of the investment application users. Financial attitudes have a significant positive effect and financial literacy also has a significant effect on investment decision making. The findings show that long- term intentional efforts are essential for increasing financial literacy. Therefore, it is important to evaluate people's decision-making processes to enable them to investigate whether they display positive behavior and attitude financially.

e. Research Hypotheses

Figure 1. Conceptual Framework

f. Conceptual Framework

1. H1: Personality and Financial Literacy influence Investment Decision simultaneously.
2. H2: Personality influence Investment Decision partially
3. H3: Financial Literacy influence Investment Decision partially



B. RESEARCH METHOD

1. RESEARCH APPROACH

This descriptive research is using a quantitative approach to defining the relationship between the variables under the study. According to Kapur (2018) Quantitative descriptive research puts emphasis upon what it is and makes use of quantitative methods to describe, record, analyze and interpret the present conditions. It is based upon the measurement of amount or quantity and is applicable only to the process that can be expressed in terms of quantity analyzed by the Quantitative Approach with a statistical, numerical and scale to measuring It with maths. This Research using the online survey method used the questionnaire developed.

2. SAMPLE SIZE AND SAMPLING TECHNIQUE

The population in this study are students of the Faculty of Economy and Business who actively study with age range of 18-25 and take an active role in investment. Sample is a part of the population, a research sample is divided within the current population in order to find the right entity for the research. The sample size is 100 respondents.

Sample of the research beusing a purposive sampling method to obtain a sample that fits the established criteria. According to Sugiyono (2018), purposive sampling is a sampling technique using certain considerations according to the desired criteria to be able to determine the number of samples to be studied. The criteria that will be used in this research are that respondents are students of Faculty of Economy and Business Sam Ratulangi University that are doing investments.

This research uses the Slovin formula to determine the number of samples of this research.

N/(1 〖+Ne〗^2)

Where:

n = Number of samples

N = Total Population

e = error tolerance limit

3. TYPE OF DATA AND DATA SOURCE

Primary data is a data source that directly provides data to data collectors. data to data collectors. The data is collected by the researcher directly from the source or where the research object is carried out. Researchers used an online questionnaire as a data collection tool.

4. DATA COLLECTION METHOD

To collect the research data, primary data collection was used through questionnaires. A questionnaire is a research instrument consisting of a series of questions (or other types of prompts) for the purpose of gathering information from respondents.

DATA ANALYSIS METHOD

1. TEST OF CLASSICAL ASSUMPTIONS

a. Normality Test

The Kolmogorov-Smirnov method normality test is part of the classical assumption test which aims to determine whether the data obtained is normally distributed or not. This study used the Kolmogorov-Smirnov test of normality with the help of the SPSS. The data is normally distributed, if the significant value is greater than 0.05% or 5% of significant level.

b. Multicollinearity Test

The normality test is carried out to assess whether the variables are confounding (residual) following a normal distribution (Ghozali, 2016). Researchers use tests residual normality using the Kolomogorov-Smirnov statistical test with the following interpretation:

Sig value, or significance or probability value < 0.05, distribution is abnormal

Sig value, or significance or probability value > 0.05, distribution is normal

c. Heteroscedasticity Test

The heteroscedasticity test aims to determine whether or not there are similarities in variables from the residual values for all observations in the regression model. A good regression model is characterized by no heteroscedasticity. Ways to find out is to look at the Scatterplot graph. If the pattern is irregular or spreads above and below 0 on the Y axis then heteroscedasticity does not occur. A homoscedasticity regression model is a good option when there is no heteroscedasticity since it can capture a range of data sizes. It can be assumed that there is not a problem with heteroscedasticity if the significance value is 0.05, on the other hand if the value is less than 0.05, it can be assumed that there is a problem with heteroscedasticity (Ghozali, 2013).

2. MULTIPLE LINEAR REGRESSION ANALYSIS

Multiple linear regression analysis is used to find out how the magnitude of the effect or relationship simultaneously (together) of two independent variables (independent variable/ X) or more consisting of X1 Leadership Style Transformational and X2 Compensation with dependent variable (dependent variable/ Y) namely employee performance. The following is the equation of multiple linear regression:

$$Y = a + b1X1 + b2X2 + e$$

Y = Investment Decision

a = Constant

b = coefficient of increase in Y if there is a one unit increase in Xi

X1 = Personality

X2 = Financial Literacy

e = Standard error / confounding variable

3. COEFFICIENT DETERMINATION (R2) TEST

Coefficient Determination used to determine the strength level of relationship between X and Y is indicated by the coefficient of determination (R2). This coefficient measures the percentage of the total variation of Y that can be explained by X".

4. HYPOTHESIS TESTING

a. Simultaneous Signification Test (F Test)

This submission aims to evaluate the impact of the independent variables on the dependent variable simultaneously. This test was carried out to compare with a significance level of α (5%) at the 5% level. Conclusion will be drawn by evaluating the significance value α (5%) based on the following criteria:

1. If the sig value > α then H0 is accepted.
2. If the sig value <α then H0 is rejected.

b. Partial Significance Test (T Test)

T test, statistics intended to test partial effect between independent variable to the dependent variable with the assumption that the other variables considered constant, with a confidence level of 95% (a = 0.05).

Tcount > Ttable = Ho is rejected Tcount < T table = H0 is accepted

C. RESULT AND DISCUSSION

1. RESULT

CLASSICAL ASSUMPTION TESTS

a. Normality Test

Table 1. Normality Test

One-Sample Kolmogorov-Smirnov Test

		Unstandardized Residual
N		100
Normal Parameters[a,b]	Mean	.0000000
	Std. Deviation	3.66695378

Most Extreme Differences	Absolute	.099
	Positive	.088
	Negative	-.099
Test Statistic		.099
Asymp. Sig. (2-tailed)		.017

a. Test distribution is Normal.

b. Calculated from data.

Source: Data Processed, SPSS 26, 2025

The normality of data distribution was tested using the One-Sample Kolmogorov-Smirnov Test. The significance value obtained was 0.017, which is below the threshold of 0.05, indicating that the data is normally distributed.

b. Multicollinearity Test

Table 2. Multicollinearity Test

Coefficients[a]

Model		Collinearity Statistics	
		Tolerance	VIF
1	Personality (X1)	.504	1.984
	Financial Literacy (X2)	.504	1.984

a. Dependent Variable: Investment Decision (Y)

Source: Data Processed, SPSS 26, 2025

The tolerance of (X1) and (X2) as independent variables have value which is 0,504 (X1) and 0,504 (X2) its higher than the standard which is 0,1 and the value of Variance Inflation Factor (VIF) for (X1) and (X2) are 1.984 (X1) and 1.984 (X2), it below than the standard which is 10. It means the variables of Personality (X1) and Financial Literacy (X2) have no multicollinearity.

c. Heteroscedasticity Test

Table 3. Heteroscedasticity Test

Coefficients[a]

Model		Unstandardized Coefficients B	Std. Error	Standardized Coefficients Beta	t	Sig.
1	(Constant)	9.986	2.930		3.408	.001
	Personality	.054	.072	.103	.751	.455
	Financial Literacy	-.203	.082	-.340	-2.471	.015

a. Dependent Variable: ABS_RES

Source: Data Processed, SPSS 26, 2025

The Glesjer test was employed to check for heteroscedasticity symptoms in the regression analysis results. The significance levels for both independent variables were found to be 0.455 (X1) and 0.015 (X2), with X1 being greater than 0.05, indicating no heteroscedasticity issues.

MULTIPLE LINEAR REGRESSION ANALYSIS

Table 4. Multiple Linear Regression

Coefficients[a]

Model		Unstandardized Coefficients B	Std. Error	Standardized Coefficients Beta	t	Sig.
1	(Constant)	.683	4.396		.155	.877
	Personality	.288	.107	.244	2.682	.009
	Financial Literacy	.789	.123	.581	6.398	.000

a. Dependent Variable: Investment Decision

Source: Data Processed, SPSS 26, 2025

The purpose of doing multiple linear regression analysis is to measure the impact of the independent variables green Personality (X1), and Financial Literacy (X2) on the dependent variable Investment Decision (Y). The result in the Table 4.6 can be shown through the formula of regression equation as follows:

y= 0,683 (a) + 0,288 (X1) + 0,789 (X2) + e

Meaning that:

1) The Constant value is 0,683 means that if Personality (X1) and Financial Literacy (X2) have a value of 0, Investment decision (Y) will increase by 0,683.

2) Personality (X1) coefficient value of 0,288 means that if there is one unit increase in Personality (X1), then the Investment Decision (Y) will increase by 0,288.
3) Financial Literacy (X2) coefficient value of 0,789 means that if there is one unit increase in Financial Literacy (X2), then the Investment Decision (Y) will increase by 0,789.

CORRELATION COEFFICIENT (R) TEST

Table 5. Coefficient R

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.772[a]	.597	.588	3.705

a. Predictors: (Constant), Financial Literacy (X2), Personality (X1)

Source: Data Processed, SPSS 26, 2025

Based on the table 4.8, the Adj R Square value is 0.588 or 58.8%. The coefficient value shows that the Personality (X1), and Financial Literacy (X2), are only able to explain the Investment Decision variable (Y) by 58.8%, while the remaining 41.2% is explained by other variables.

HYPOTHESIS TESTING

a. T-test (Partial Hypothesis Testing)

Based on table 4:

1) The t value of the Personality (X1) is 2.682 with a significance level of 0,009. The significance level has a smaller value than Alpha (0.05) at 0,009. Thus, the influence of Personality is positive and very significant towards Investment Decision, so that H1 is Accepted, it can be concluded that Personality influence Investment Decision partially.
2) The t value of the Financial Literacy (X2) is 6.398 with a significance level of 0,000. The significance level has a smaller value than Alpha (0.05) at 0,000. Thus, the influence of Financial Literacy is positive and very significant towards Investment Decision, so that H2 is Accepted, it can be concluded that Financial Literacy influence Investment Decision partially.

b. F-test (Simultaneous Hypothesis Testing)

Table 6. F-test

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	1968.102	2	984.051	71.704	.000[b]
	Residual	1331.208	97	13.724		

Total	3299.310	99			

a. Dependent Variable: Investment Decision (Y)
b. Predictors: (Constant), Financial Literacy (X2), Personality (X1)

Source: Data Processed, SPSS 26, 2025

Based on Table 4.7, the value of Fcount is 71.704 and the significance level is 0,000. The value of F Table is (71.704 > 3,09), which means Fcount is more than Ftable. The result shows that Personality (X1) and Financial Literacy (X2) as an independent variable influence Investment Decision (Y) as a dependent variable simultaneously. This indicates that the hypothesis of H3 is accepted.

2. DISCUSSION

The findings align with existing literature indicating that financial literacy plays a crucial role in shaping investment behaviors among young adults, particularly those from Generation Z who are increasingly participating in financial markets despite often lacking stable income sources. Additionally, personality traits as defined by the Big Five model have been shown to affect risk tolerance and investment preferences.

This Research find that X1 (Personality) and X2 (Financial Literacy do influence the investment decision significance of Findings: Both Personality and Financial Literacy significantly influenced Investment Decisions among students; however, Financial Literacy had a more substantial impact compared to Personality. This research also found that the X1 (Personality) has the significance level and smaller value than Alpha (0.05) at 0,009. Thus, it can be concluded that Personality has significant influence towards influence Investment Decision partially. This research found that the influence of Financial Literacy is positive and very significant towards Investment Decision, so that H2 is Accepted, it can be concluded that Financial Literacy influence Investment Decision partially.

Based on the previous research, the researchers found that the topics is not suggest in a detailed way about the Financial Literacy accordings to its influence with the Investment Decision. The writers found out that the 5 Big traits is give an impact but not as much as the Financial Literacy, From What we see on the Chapter II that's defined the definition of the Financial Literacy there comes from the research of Hana Shaffiyah Shalihah that the aggreableness has a significant and majority effect of Investment Decision.

D. CONCLUSION AND RECOMMENADARION

1. CONCLUSION

This study aimed to analyze the influence of Personality and Financial Literacy on Investment Decisions among students in the Faculty of Economy and Business at Sam Ratulangi University based on data collected from questionnaires distributed to students.

Key conclusions drawn from this research include:

1. This Research find that X1 (Personality) and X2 (Financial Literacy do influence the investment decision significance of Findings: Both Personality and Financial Literacy significantly influenced Investment Decisions among students; however, Financial Literacy had a more substantial impact compared to Personality.
2. This research found that the influence of Personality is positive and very significant towards Investment Decision, so that H1 is Accepted, it can be concluded that Personality influence Investment Decision partially.
3. This research found that the influence of Financial Literacy is positive and very significant towards Investment Decision, so that H2 is Accepted, it can be concluded that Financial Literacy influence Investment Decision partially.

2. RECOMMENADARION

Based on these findings, several recommendations can be made:

1. Enhancing Financial Literacy Programs: Educational institutions should prioritize financial literacy programs tailored for students to equip them with essential skills for making informed investment decisions.
2. Personality Development Workshops: Workshops aimed at developing positive personality traits could enhance students' confidence in making investment choices.
2. Further Research: Future studies should explore additional variables that may influence investment decisions among students, such as socio-economic factors or peer influence.
3. Practical Applications: Universities should integrate practical investment simulations into their curricula to allow students to apply their knowledge effectively in real-world scenarios.

In conclusion, this study highlights the significant roles that personality and financial literacy play in shaping investment decisions among students at Sam Ratulangi University, emphasizing the need for targeted educational initiatives to foster better financial decision-making skills in future investors.

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This structure provides a comprehensive overview based on your provided context while ensuring clarity and coherence throughout Chapters Four and Five.

E. DAFTAR PUSTAKA

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