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224414920

Financial Literacy and Morality in Preventing Financial Mismanagement: A Study on Village Governments in Indonesia

Cogent Economics and Finance

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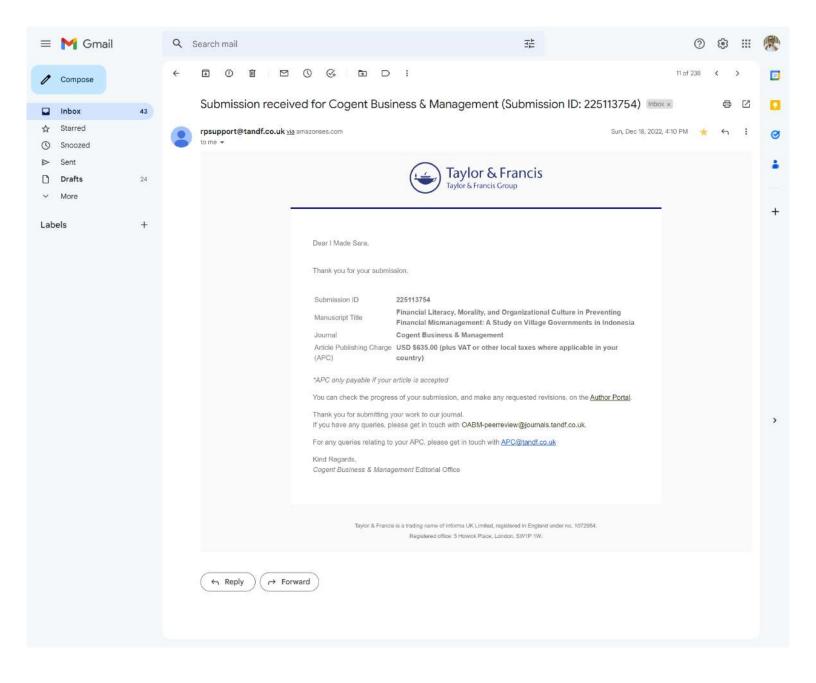
I have read the paper and while it maybe of potential interest, it is not ready for review. Notably, there is a lack of information in regard of the data and variables. For example, how is mismanagement, morality and literacy measured? There are also no control variables, residual or specification tests or robustness exercise.

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Financial Literacy, Morality, and Organizational Culture in Preventing Financial Mismanagement: A Study on Village Governments in Indonesia

Abstract

An empirical study was conducted with the aim of testing and analyzing the relationship between the variables of financial literacy, morality, organizational culture, and preventing financial mismanagement. The originality of this research lies in the integration of cultural factors in the organizational context and efforts to prevent financial mismanagement, which are rarely given the attention of researchers. Research design with survey techniques based on quantitative philosophy. The sample chosen to represent the population uses a proportionate random sampling technique. Data collection techniques using a structured questionnaire. Also, the collected data were analyzed using multiple linear regression models and moderation analysis. The results obtained from this study are based on the results of the analysis that financial literacy and morality have a significant effect on preventing financial mismanagement. Other empirical results find that organizational culture is able to moderate the relationship between financial literacy and morality towards preventing financial mismanagement. The contribution of this research is theoretically providing a theoretical phenomenon to the theory of reasoned action in terms of mismanagement behavior and the morale of government employees in the economic development sector of government. Practical contributions are given to village administration so that they consider the determinants of individual behavior in preventing financial mismanagement by increasing good organizational governance. The implication of this research is to provide a reference for village administration to reinforce rules to place more emphasis on individual and organizational behavioral factors.

Keywords: financial literacy, morality, organizational culture, public finance, financial mismanagement

Introduction

Many fraud cases are related to village financial management in Indonesia. According to data from the Indonesian Corruption Watch in 2018, the most corruption occurred in villages related to village finances. Out of the 454 cases of financial fraud that were prosecuted, 96 were cases of village financial fraud that cost the state a total of 37.2 billion rupiahs. As actors who perpetrate financial fraud, there are 102 village heads and 22 village officials. The data states that although it is relatively new, village finances implemented in 2017 have a very high level of fraud (Majid et al., 2014; Saputra et al., 2020). It indicates that the village head concerned lacks knowledge of financial literacy and morality, thus committing fraud (Popoola et al., 2016). Village finances must be managed by prioritizing the principle of prudence, so stricter supervision must be carried out to prevent deviant behavior through financial literacy. Financial literacy in village government is undoubtedly very dependent on solid knowledge of financial principles and concepts (Fernandes et al., 2014). These are financial planning, compound interest, debt management, good savings techniques, and insight into the ever-changing value of money (Morgan & Long, 2020; Stolper & Walter, 2017; Taft et al., 2013).

Needs are the key component behind someone's motivation to make mistakes. (Groen et al., 2017; Suebvises, 2018). Everyone has material needs that can be a driving force for mistakes (Ekayani et al., 2020; Saputra et al., 2020). People are willing to engage in fraud to fulfill these needs if it means getting what they want. Individual characteristics are connected to the behavior that each person has inherently. These individual factors will be related to a person's morale to make mistakes (Ariall & Crumbley, 2016; Saputra et al., 2022). Financial illiteracy and dishonesty are two factors that can lead to wrongdoing in an organization. Building ethical behavior and a strong organizational culture requires positive workplace concern and financial literacy (Knechel, 2007; Sujana & Saputra, 2020). Low morale and a lack of financial literacy will encourage dishonest behavior, which will ultimately harm and possibly destroy the organization (Jones, 2003; Uzun & Kilis, 2020).

The Theory of Reasoned Action can explain financial literacy and morality. Within the framework of the Theory of Reasoned Action theory, the stability of intentions is essential for this theory, because intentions can change from time to time (Hill et al., 1977; Nezakati et al., 2015). Moreover, it is often impossible or impractical to gauge a person's intentions as soon as possible before the behavior occurs (Ajzen, 1991; Hill et al., 1977). So, when there is a significant time gap to realize the intention into behavior, then the intention can change. For example, in the context of planning in organizations, intentions are indicated by financial literacy planning. Intentions in this organizational context are usually related more to individual segments or populations within the organization, not at the individual level (Ajzen & Fishbein, 1980). Therefore, in the organizational context, an individual control system mechanism is needed or called morality, that can be used to control and ensure that these intentions can be realized into behavior (Horomnea & Paşcu, 2012).

Several research results provide the same definition of fraud and error. Meanwhile, based on the behavioral context, cheating is done intentionally and motivated. However, ignorance or a lack of information can lead to unintentionally wrong behavior (Ghazali et al., 2014; Majid et al., 2014). Inconsistent findings have been found in research on financial mismanagement in villages. Lidyah (2018) found that the occurrence of village financial mismanagement was positively influenced by financial literacy knowledge. However, Morgan & Long (2020) stated that financial literacy is not important in preventing financial fraud. The differences in the results of previous studies have become a gap for the latest research in the field of finance by presenting new aspects or re-examining the same variables to answer inconsistencies in the results of previous research. Based on the results of previous studies measuring financial mismanagement using fraud indicators (Ekayani et al., 2020). Research on financial mismanagement has only ever been studied using qualitative methods so far. However, this study attempts to investigate using quantitative methods by creating indicators based on the concept of misbehavior in financial management.

Research on the effect of morality on preventing village financial mismanagement has reported varying results. Morality has a significant influence on the prevention of financial fraud (Balan & Knack, 2012). At the same time, Hodges and Sulmasy (2013)

state that morality has nothing to do with cheating, as long as morality does not affect a well-managed life. However, in research Starr (2005) get the result that morality has nothing to do with someone's mistake in managing government finances. The results of previous studies still leave gaps for further research by re-testing the same variables in different populations. In previous studies, morality and financial fraud investigations focused on the context of state institutions, banks and other profit organizations (Maria & Bleotu, 2014; Phornlaphatrachakorn & Peemanee, 2020). This study explores different populations, namely the village government, which is important to study, because the village government distributes large funds to villages with the hope that development starts from the village for advanced Indonesia. Contrary to the government's expectations, it turns out that the resources in the village are still not qualified to manage finances in a professional and accountable manner.

Mismanagement that occurs in village government will disrupt the intermediary function of the organization, so that the goals of achieving its performance will be difficult to achieve. In preventing mismanagement to improve bank performance, protect the interests of stakeholders and increase compliance with laws and regulations and ethical values (code of conduct) that apply in general to village government, it is mandatory to carry out organizational culture improvements (Phornlaphatrachakorn & Peemanee, 2020). Village government is one of the public sector organizations that provide services, so that in its operations, organizational culture is very important to consider as preventing mismanagement towards good governance (Saputra et al., 2021). Organizational culture in this discussion is more directed towards a culture that can prevent mismanagement.

The contribution of this research is theoretically providing a theoretical phenomenon to the theory of reasoned action in terms of mismanagement behavior and the morale of government employees in the economic development sector of government. Practical contributions are given to village administration so that they consider the determinants of individual behavior in preventing financial mismanagement by increasing good organizational governance. The implication of this research is to provide a reference for village administration to reinforce rules to place more emphasis on individual and organizational behavioral factors. More will be discussed in the next sub-discussion.

Literature Review and Hypothesis

Theory of Reasoned Action

Attitudes and subjective norms are determinants of the intention to behave in a certain way so that a person will intend to behave in a certain way if his assessment of the behavior is positive and he has the perception that those who are important to him want him to behave in such a way (Hill et al., 1977). In determining intentions, the two determinants have different weight combinations for different behaviors and individuals (Ajzen & Fishbein, 1980). What is meant by the attitude in this context is an attitude towards a particular behavior, namely the opinion of a person that carrying out behavior is good or bad, that he supports or opposes performing a particular behavior. Attitude is a function of belief (Ajzen & Fishbein, 1980). Someone who believes that a particular behavior will positively impact others will have a positive attitude towards

that behavior. On the other hand, people who believe that the impact produced by behavior is negative will also have a negative attitude towards that behavior. Beliefs that underlie one's attitude towards a behavior are referred to as behavioral beliefs (Afdalia et al., 2014).

Financial Literacy and Prevention of Financial Mismanagement

A growing number of financial instruments have gained importance, including alternative financial services such as payday loans, pawnshops, and rent to own stores that charge very high interest rates (Moure, 2016). Simultaneously, in the changing economic landscape, people are increasingly responsible for personal financial planning and for investing and spending their resources throughout their lifetime. We have witnessed changes not only in the asset side of household balance sheets but also in the liability side. For example, in the USA, many people arrive close to retirement carrying a lot more debt than previous generations did (Lusardi et al., 2018). Overall, individuals are making substantially more financial decisions over their lifetime, living longer, and gaining access to a range of new financial products. These trends, combined with low financial literacy levels around the world and, particularly, among vulnerable population groups, indicate that elevating financial literacy must become a priority for policy makers (Moure, 2016).

Financial literacy is knowledge of basic financial concepts, including compound interest, the difference between nominal and honest values, basic knowledge of risk diversification, the time value of money and others. Financial literacy indicators are general knowledge about finance, loans and savings, investment and insurance (Arianti, 2018; Lin et al., 2017). Previous research from Lin et al. (2017) finds that financial literacy significantly affects financial management behavior. There is a significant influence between financial literacy and financial fraud prevention behavior (Haque & Zulfiqar, 2016; Marcolin & Abraham, 2006). Based on previous research investigations, the following hypotheses can be formulated:

H1: Financial Literacy has a significant effect on Preventing Financial Mismanagement

Morality and Prevention of Financial Mismanagement

Management morality significantly negatively affects the tendency of fraudulent financial management. Haque & Zulfiqar (2016) get results that the higher the morality of management, the lower the tendency of financial fraud or the higher the level of management morality, the more management pays attention to broader and universal interests than the interests of the company alone, especially personal interests (Stets & Carter, 2011; Wong & Lui, 2007). Horomnea & Paşcu (2012) stated that morality is a guideline that individuals or groups have regarding what is right and wrong based on moral standards. Morality can come from traditional or customary sources, religion or ideology or a combination of several sources (Euchner et al., 2013). Morality is measured by intrinsic and extrinsic indicators (Bromley & Orchard, 2015). Based on previous research, the following hypotheses can be formulated:

Financial Literacy, Morality, Organizational Culture and Prevention of Financial Mismanagement

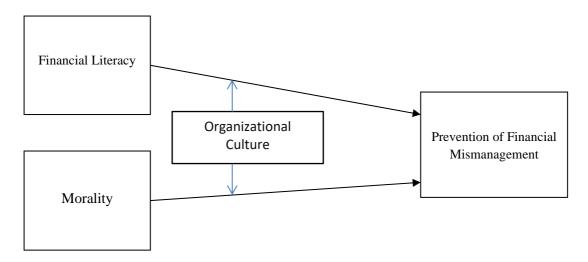
By using organizational culture, work behavior can be seen through employee evaluation of their results when controlled internally or externally (Saputra et al., 2022). Employees/managers who understand the culture of the organization feel that they can personally influence results through their abilities, skills or their own efforts. If a worker/manager is committed to the organizational culture so that he is confident in his ability to solve a problem, then this will lead to preventive behavior against mismanagement and is expected to improve work performance/achievement (Saputra et al., 2021). However, if an employee has a tendency to believe in factors outside of himself as a determinant of his success, and ignores organizational culture, this will actually lead to mismanagement at work (Saputra et al., 2022). Related to the moderating variable of organizational culture, Bromley and Orchard (2015) states that organizational culture has a positive and significant effect on performance. Furthermore, according to Moure (2016) this condition shows that the values contained in the organizational culture in this study are able to reduce mismanagement. From the explanation above regarding the results of previous research, the following hypotheses can be obtained:

H3: Organizational culture moderates the effect of financial literacy and morality on mismanagement behavior.

Method

This study examines the effect of financial literacy and morality on preventing mismanagement of village financial management. Therefore, the conceptual framework of the research can be described as follows:

Figure 1. Research Model



The research design used in this study is a survey research design conducted on village heads in Tabanan Regency, Bali-Indonesia Province. The population in this study were village heads in Tabanan Regency, with a total of 133 villages. To get a sample that can describe and reflect the population in this study which amounted to 133 villages, the calculations using the Slovin formula used a sample of 100 village heads in Tabanan Regency. The sampling technique used in this study uses proportionate random sampling, which is selecting samples by taking sample members from the population proportionally by taking into account the strata that exist in a population. From the number of questionnaires that were distributed, 87 of the results of the questionnaires were analyzed. Data analysis technique using multiple linear regression (Atmadja et al., 2021). Research data were analyzed with multiple regression models and moderated regression analysis.

Questionnaire statements are arranged with a Liker scale of 1 to 5, which states that they strongly agree with the highest score and strongly agree with the lowest score. Variable measurement indicators conform to previous studies which are modified and adapted to research needs and the context of field research. Survey research techniques allow the researcher to play a major role when explaining the research objectives and detailing the content and intent of the questionnaire. The researcher also made an ethical agreement with the respondent, because the respondent was a village government official. The questionnaire prepared has gone through a pilot study process (conducted with university lecturers throughout Bali), because researchers assume that lecturers have experience dealing with village administration in terms of research or community service. Lecturers have qualified government knowledge so that they can be used in pilot studies. After a pilot test was carried out, and it was declared valid and reliable, the questionnaire was then given to the real respondents.

Results and Discussion

The implementation of this research was carried out first by testing the validity and reliability of the instrument. The validity test uses the product moment Pearson correlation test by connecting each item score with the total score obtained in the study. The instrument reliability test is measured based on Cronbach's alpha value.

Table 1. Financial literacy model indicators and measurements

Item/Indicators	Code	Pearson Correlation	Cronbach's Alpha
Basic knowledge of financial management	FL.1	0.701	
Credit management	FL.2	0.871	0.901
Savings education	FL.3	0.701	
Investment management	FL.4	0.774	

Table 2. Morality model indicators and measurements

Item/Indicators	Code	Pearson	Cronbach's
		Correlation	Alpha
Politeness and adherence to organizational culture	ML.1	0.865	_
Social and environmental concern	ML.2	0.777	0.870
Honesty at work	ML.3	0.710	
Compliance with rules and responsibilities	ML.4	0.812	

Table 3. Prevention of financial mismanagement model indicators and measurements

Item/Indicators	Code	Pearson Correlation	Cronbach's Alpha
Pattern of good organizational structure	PFM.1	0.705	_
Management mindedness	PFM.2	0.733	0.806
Uniformity regarding work methods and procedures between divisions or sections	PFM.3	0.700	
Effective implementation of supervision	PFM.4	0.801	
Effective coordination	PFM.5	0.730	
Equation of vision and mission	PFM.6	0.711	

Table 4. Organizational culture model indicators and measurements

Item/Indicators	Code	Pearson Correlation	Cronbach's Alpha
Integrity	OC.1	0.800	
Work ethic	OC.2	0.821	0.971
Environmental Sustainability	OC.3	0.810	

The profiles of respondents in this study were grouped by age, education, and years of service. The characteristics of respondents based on age showed that they were at the age of 30-39 years as much as 20%, respondents were at the age of 40-49 years as many as 41.76%, and at the age of 50-59 years as many as 38.24%. Most of the respondents had a high school education background, as many as 82.35%, with a bachelor's degree as many as 17.65%. Based on the years of service of the respondents, as many as 88.24% of respondents had a working period of 1-5 years, and 11.76% had a service period of > 5 years. The results of testing the validity and reliability of the instrument indicate that

the instrument used in this study is valid and reliable, as indicated by the value of the item-total variable correlation coefficient greater than 0.3 and significantly less than 0.05. The reliability test results showed that the Cronbach alpha value for all variables used in this study was more significant than 0.70. The multiple linear regression analysis results explain the effect of financial literacy and morality variables on preventing village financial mismanagement. The results of these calculations are shown in the following table:

Table 5. Multiple Linear Regression Test Results

	Uns	tandardized	Standardized			
Variable	C	Coefficient	Coefficient	Τ	Sig	Results
	В	Std. Error	Beta			
Constant	33,277	12,077		2,755	0,007	
FL	0,684	0,250	0,340	2,738	0,008	Received
ML	1,038	0,146	0,729	7,091	0,000	Received
Adjusted R ²	= (0,988				
Fcount	= 1	1257,267				
Significant F	= (0,000				

Based on the test results, the influence of financial literacy and morality on the prevention of financial mismanagement can be interpreted as follows:

- a. 1 = 0.340; means that if the morality variable (X2) is considered constant, then increasing the implementation of financial literacy (X1) by one unit will be followed by the prevention of financial mismanagement (Y), an average of 0.340
- b. 2 = 0.729; means that if financial literacy (X1) is considered constant, then it increases morality (X2) by one unit and will be followed by an increase in the prevention of financial mismanagement (Y) by an average of 0.729

Table 6. Results of moderation analysis with the Interaction test

	Variable Response prevention of financial mismanagement		
Explanatory Variables	Coefficient	t count	Significance
Constant	99,580	20,852	0,000
FL	-2.050	-4.704	0.000
ML	-0.577	-2.441	0.018

FL*OC	0.041	2.320	0.024
ML*OC	0.022	2.422	0.025
AGE (Control Variable)	-1.037	-2.412	0.022
R square	0,764		

From the regression analysis above, it can be seen that the variables that have a significant effect on preventing mismanagement are financial literacy and morality with significance values of 0.000 and 0.018. The FL*OC variable is 0.024 and ML*OC is 0.025. Age variable (AGE) as a control variable has a significance of 0.022. This shows a significance value of less than 0.05, which means that the relationship between variables has a significant effect. FL, ML, FL*OC and ML*OC variables have a significant effect on preventing mismanagement behavior through interaction tests. Financial literacy and morality variables are proven to have an impact on preventing mismanagement with organizational culture variables as moderating variables. The interaction test results above are complemented by an additional residual test method because they do not fulfill one regression assumption, namely the assumption of multicollinearity. This is overcome by developing a residual test method. Residual test results by regressing the absolute residuals of organizational culture regression results on financial literacy and morality with the dependent variable. The residual test results are presented in table 7.

Table 7. Residual Test Results

Model: $abs res = \alpha + \beta_1 y$						
Hypothesis	Variable	Coefficient	Significance			
	Constant	10,053***	3,746 (0,000)			
Н3	Prevention of financial					
	mismanagement	-0,095***	-2,683 (0,009)			
Information:						
***) significan	***) significant at 1%					

From Table 7 it can be seen that the variable preventing of financial mismanagement has a significant effect on the absolute residual results of the regression model between organizational culture and financial literacy and morality, and the coefficient obtained is negative, namely -0.95, so it can be said that financial literacy and morality has a significant effect on preventing of financial mismanagement with organizational culture as a moderating variable. Therefore, according to the results obtained, hypothesis three (H3) can be accepted. The results of the interaction test include control variables. The following table compares the value of the goodness of the regression model using R² before entering the control variable and after entering the control variable for each response variable preventing of financial mismanagement.

Table 8. Value of the Goodness of the Regression Model (R²)

Pagnanga yariahla	R ²		
Response variable	No control variable	With control variable	

PFM	0,735	0,764

The goodness-of-fit value of the regression model (R²) is the coefficient of determination whose function is to find out how much the diversity of the response variables can be explained by the explanatory variables, so that in the regression analysis the higher the R squared value, the better the regression model will be. Based on Table 8. it can be seen that R squared has increased after the regression is given the addition of control variables. The increase in R squared in the regression with the response variable prevention of financial mismanagement tends to be high, which is around 10%. This is because there is a control variable that has a significant effect on performance and job satisfaction, namely the age variable.

Based on the results of data analysis that has been carried out regarding the effect of financial literacy and morality on preventing financial mismanagement, it is found that financial literacy has a positive effect on preventing village financial mismanagement. The hypothesis is accepted based on the t-count for the financial literacy variable of 2.738 and the t-test significance value of 0.008, which is smaller than = 0.05 and the regression coefficient value of 0.340. These results indicate that financial literacy positively prevents financial mismanagement (Fernandes et al., 2014). The results of this study are supported by the main principle of behavioral theory, namely the relationship between individual knowledge related to finance and financial behavior (Ajzen, 1971; Ajzen & Fishbein, 1980; Balushi et al., 2018). Problems will occur when financial employees with inadequate financial literacy knowledge are asked to prepare and plan village finances as outlined in the village government budget according to applicable standards and regulations, the results will lead to budget errors (Saputra et al., 2019, 2020). This assumption emphasizes that if individuals act without maximizing their financial literacy knowledge, then good governance will not be achieved in the process of implementing good governance (Fernandes et al., 2014). It can cause the creation of a control or prevention of fraudulent village financial management (Lusardi et al., 2010; Osman et al., 2018). However, if the financial literacy possessed by individuals has quality, the organizational control system will be better and build confidence to manage mismanagement (Earl et al., 2015; Garg & Singh, 2018; Potrich et al., 2016).

An essential indicator of people's ability to make financial decisions is their level of financial literacy (Lusardi et al., 2018). The Organisation for Economic Co-operation and Development (OECD) aptly defines financial literacy as not only the knowledge and understanding of financial concepts and risks but also the skills, motivation, and confidence to apply such knowledge and understanding in order to make effective decisions across a range of financial contexts, to improve the financial well-being of individuals and society, and to enable participation in economic life (Moure, 2016).

In the context of rapid changes and constant developments in the financial sector and the broader economy, it is important to understand whether people are equipped to effectively navigate the maze of financial decisions that they face every day (Lusardi et al., 2018). To provide the tools for better financial decision-making, one must assess not only what people know but also what they need to know, and then evaluate the gap

between those things (Moure, 2016). There are a few fundamental concepts at the basis of most financial decision-making (Klapper et al., 2015). These concepts are universal, applying to every context and economic environment. Three such concepts are (1) numeracy as it relates to the capacity to do interest rate calculations and understand interest compounding; (2) understanding of inflation; and (3) understanding of risk diversification.

These findings are supported by many other surveys. For example, the 2014 Standard and Poor's Global Financial Literacy Survey shows that, around the world, people know the least about risk and risk diversification (Klapper et al., 2015). Similarly, results from the 2016 Allianz survey, which collected evidence from ten European countries on money, financial literacy, and risk in the digital age, show very low-risk literacy in all countries covered by the survey. In Austria, Germany, and Switzerland, which are the three top-performing nations in term of financial knowledge, less than 20% of respondents can answer three questions related to knowledge of risk and risk diversification (Allianz, 2017). To summarize, financial literacy is low across the world and higher national income levels do not equate to a more financially literate population. This enhances the measure's utility because it helps to identify general and specific vulnerabilities across countries and within population subgroups, as will be explained in the next section (Moure, 2016).

Morality has a positive effect on preventing village financial mismanagement. The second hypothesis is accepted based on the tcount value for the morality variable of 7.091 and the t-test significance value of 0.000, which is smaller than = 0.05 and the regression coefficient value of 0.729. The results of this study are supported by the main principle of interaction theory, namely, an open system in a company closely related to interaction for adjustment and control of the environment to maintain good governance (Fernandhytia & Muslichah, 2020; Saputra et al., 2020). It shows that good governance morality will result in effective and efficient error prevention. In addition, positive individual morality possessed by government leaders will result in better public trust in the government (Bromley & Orchard, 2015; Kurniawan & Azmi, 2019). Therefore, there is a balanced correlation between morality and public trust so that synergy can be established to jointly supervise the running of the government, especially in managing village finances for community welfare and increasing village independence (Saputra et al., 2020).

In this study it can be interpreted that morality plays an important role in preventing financial mismanagement, especially within the scope of village government which only has limited human resources in financial management. In addition, the capacity of village officials who still need to be increased makes the role of morality significant in realizing clean village governance (Bromley & Orchard, 2015; Kurniawan & Azmi, 2019). This is related to the relationship between the village leadership or head and apparatus and apparatus to establish harmonious and synergistic relationships with other communities to supervise and participate in village financial management, especially in preparing the village budget (Saputra et al., 2019). Everyone who deals with village finances within the scope of village administration, either directly or

indirectly, must have a good mentality or morals so as not to get caught up in corruption which ultimately leads to legal action. Morality is more controlled by each individual (Saputra et al., 2020). There is no system that can control morality so that the behavior of everyone in the village government must work together to create a government that is transparent, accountable and participatory (Fernandhytia & Muslichah, 2020; Saputra et al., 2020). Therefore, in essence, the morals of the village apparatus are very important in preventing financial mismanagement in any form that exists in the administration of village governance, especially in financial management.

This research is in line with research conducted by Saputra et al (2022) which states that organizational culture has a significant effect on fraud prevention. In addition, the results of this study support research conducted by Saputra et al (2021); Sujana and Saputra (2020); and Saputra et al (2019) who in their research stated that organizational culture variables had a positive and significant effect on preventing management errors. An explanation that can be given from the results of the third hypothesis test is that financial literacy, morality and organizational culture can influence the prevention of mismanagement in village government in Bali (Saputra et al., 2021). Therefore, conditions like this show that the values contained in organizational culture can and are important to be applied in a government. financial literacy and morality which are individual controls, can be strengthened by anti-corruption values contained in the organizational culture to prevent acts of mismanagement in village government (Saputra et al., 2019). In the context of preventing mismanagement including control variables, according to the results of the analysis, empirically found that age determines employees to engage in deviant behavior (Muslichah, 2020). This means that, the older the age, the need will increase, so the need for money also increases. If not limited by good governance and financial literacy, morality education, and a strong organizational culture, fraud or mismanagement will occur (Sujana & Saputra, 2020). Therefore, it is necessary to consider the age factor in the context of preventing financial mismanagement.

Conclusion

Based on the study's results, it can be concluded that financial literacy and morality significantly positively affect preventing village financial m. It can indicate that in organizationally managing village finances, applying an excellent financial literacy mechanism is necessary to avoid fraud. In addition, the morality of the village government apparatus needs to be improved either through training or awareness of local wisdom which can be believed to be capable of being an internal controller for each individual. Therefore, further research can link local wisdom variables such as internal control of the village apparatus and re-explore financial factors such as financial performance, financial development, and public finance theory, which is the government domain.

Financial education can also be efficiently provided in workplaces. An effective financial education program targeted to adults recognizes the socioeconomic context of employees and offers interventions tailored to their specific needs. Finally, it is

important to provide financial education in society, in places where people go to study. A recent example is the international finance federation public sector, an innovative global collaboration promote financial knowledge through outreach and meetings in the public sector and exchange of resources. Village Government Organizations can become places where to provide good financial literacy among young and old. There are various other ways in which finance education can be offered as well as targeted to specific group, namely the village government apparatus. However, there are few evaluations of effectiveness such initiatives and this is an area where more research is urgently needed, given the statistics reported in the first part of this paper.

One of the things that mismanagement perpetrators do is think outside the box. When an actor learns the mechanism of work, control weaknesses and controls so that he becomes innovative in exploring gaps to gain profits. This will be difficult to detect, if the functions within the organization are not aware and ignore the organizational culture in carrying out operational activities. Sometimes gaps have been identified but seem to be insensitive and become an acute disease within the organization which is then only realized after the loss has actually occurred. This of course requires an organizational culture that is integrated with the government's internal control system. Financial mismanagement is only one of the many threats faced by village governments. Perpetrators have many ways of committing intentional fraud making it difficult to detect. This is when organizational culture needs to strengthen the influence of financial literacy and increase morality in preventing financial mismanagement.

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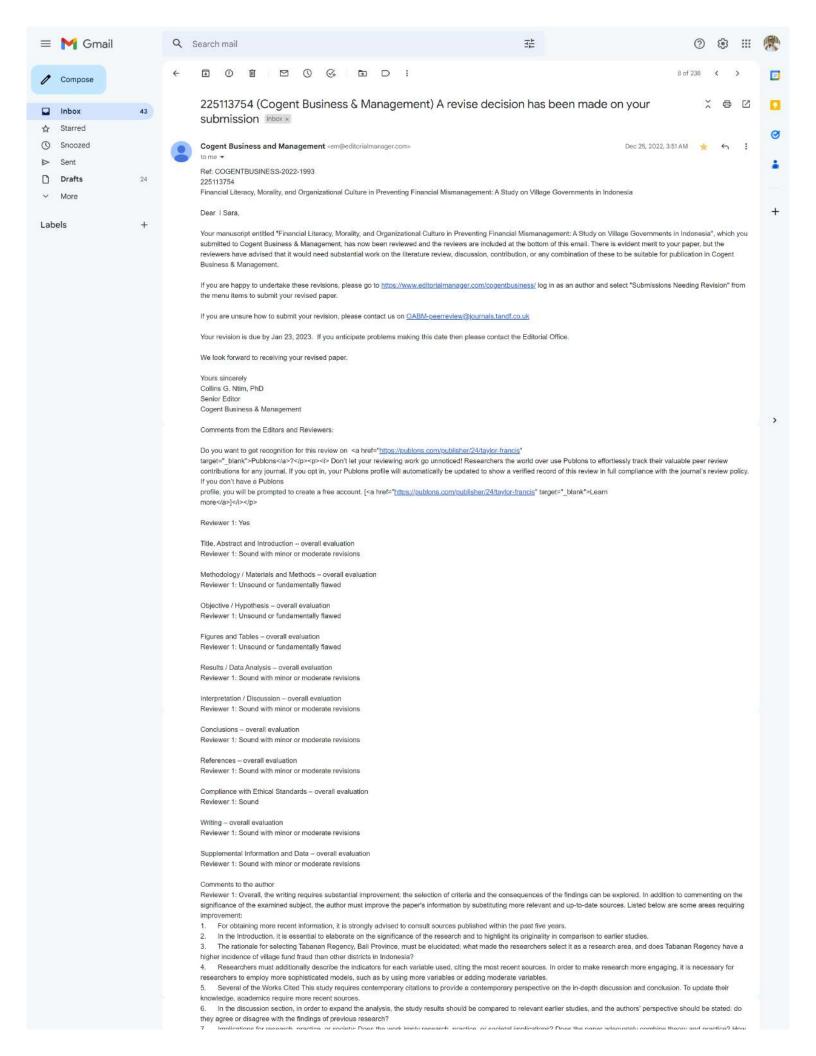
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ACCOUNTING, CORPORATE GOVERNANCE & BUSINESS ETHICS | RESEARCH ARTICLE

Financial literacy, morality, and organizational culture in preventing financial mismanagement: A study on village governments in Indonesia

I Made Sara 1* , Ida Bagus Udayana Putra 1 , Komang Adi Kurniawan Saputra 1 and I Wayan Kartika Jaya Utama 2

Abstract: An empirical study was conducted with the aim of testing and analyzing the relationship between the variables of financial literacy, morality, organizational culture, and preventing financial mismanagement. The originality of this research lies in the integration of cultural factors in the organizational context and efforts to prevent financial mismanagement, which are rarely given the attention of researchers. Research design with survey techniques based on quantitative philosophy. The sample chosen to represent the population uses a proportionate random sampling technique. Data collection techniques using a structured questionnaire.



I Made Sara

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PUBLIC INTEREST STATEMENT

The organization always tries to maintain its sustainability. For this reason, organizations must be able to carry out sustainable management. One of the efforts is to control or prevent the occurrence of financial mismanagement which can trigger fraudulent practices within the organization, especially in financial management. Every main and supporting activity that does not provide added value must be identified and eliminated, so that employee morality needs to be improved. In addition, employees and all levels of the organization need to have financial knowledge or literacy in order to understand the process of entering and exiting finances or managing finances. Therefore, it is not only financial literacy and morality that can increase the prevention of financial mismanagement, but also an organizational culture adopted from local wisdom which in turn increases the overall prevention of financial mismanagement. Findings from research on local government leaders in Tabanan Regency, Bali, Indonesia as respondents indicate that by increasing financial literacy and morality, they are able to do better in preventing financial mismanagement. In addition, organizational culture can strengthen the relationship between financial literacy and morality towards preventing financial mismanagement. Thus, financial literacy, morality, and organizational culture contribute to preventing financial mismanagement.









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Also, the collected data were analyzed using multiple linear regression models and moderation analysis. The results obtained from this study are based on the results of the analysis that financial literacy and morality have a significant effect on preventing financial mismanagement. Other empirical results find that organizational culture is able to moderate the relationship between financial literacy and morality towards preventing financial mismanagement. The contribution of this research is theoretically providing a theoretical phenomenon to the theory of reasoned action in terms of mismanagement behavior and the morale of government employees in the economic development sector of government. Practical contributions are given to village administration so that they consider the determinants of individual behavior in preventing financial mismanagement by increasing good organizational governance. The implication of this research is to provide a reference for village administration to reinforce rules to place more emphasis on individual and organizational behavioral factors.

Subjects: Economics and Development; Economics; Finance; Business, Management and Accounting

Keywords: financial literacy; morality; organizational culture; public finance; financial mismanagement

1. Introduction

Many fraud cases are related to village financial management in Indonesia. According to data from the Indonesian Corruption Watch in 2018, the most corruption occurred in villages related to village finances. Out of the 454 cases of financial fraud that were prosecuted, 96 were cases of village financial fraud that cost the state a total of 37.2 billion rupiahs. As actors who perpetrate financial fraud, there are 102 village heads and 22 village officials. The data states that although it is relatively new, village finances implemented in 2017 have a very high level of fraud (Majid et al., 2014; Saputra et al., 2020). It indicates that the village head concerned lacks knowledge of financial literacy and morality, thus committing fraud (Popoola et al., 2016). Village finances must be managed by prioritizing the principle of prudence, so stricter supervision must be carried out to prevent deviant behavior through financial literacy. Financial literacy in village government is undoubtedly very dependent on solid knowledge of financial principles and concepts (Fernandes et al., 2014). These are financial planning, compound interest, debt management, good savings techniques, and insight into the ever-changing value of money (Morgan & Long, 2020; Stolper & Walter, 2017; Taft et al., 2013).

Needs are the key component behind someone's motivation to make mistakes. (Groen et al., 2017; Suebvises, 2018). Everyone has material needs that can be a driving force for mistakes (Ekayani et al., 2020; Saputra et al., 2020). People are willing to engage in fraud to fulfill these needs if it means getting what they want. Individual characteristics are connected to the behavior that each person has inherently. These individual factors will be related to a person's morale to make mistakes (Ariall & Crumbley, 2016; Saputra, Mu'ah et al., 2022). Financial illiteracy and dishonesty are two factors that can lead to wrongdoing in an organization. Building ethical behavior and a strong organizational culture requires positive workplace concern and financial literacy (Knechel, 2007; Sujana & Saputra, 2020). Low morale and a lack of financial literacy will encourage dishonest behavior, which will ultimately harm and possibly destroy the organization (Jones, 2003; Uzun & Kilis, 2020).

The Theory of Reasoned Action can explain financial literacy and morality. Within the framework of the Theory of Reasoned Action theory, the stability of intentions is essential for this theory, because intentions can change from time to time (Nezakati et al., 2015). Moreover, it is often

impossible or impractical to gauge a person's intentions as soon as possible before the behavior occurs. So, when there is a significant time gap to realize the intention into behavior, then the intention can change. For example, in the context of planning in organizations, intentions are indicated by financial literacy planning. Intentions in this organizational context are usually related more to individual segments or populations within the organization, not at the individual level. Therefore, in the organizational context, an individual control system mechanism is needed or called morality, that can be used to control and ensure that these intentions can be realized into behavior (Horomnea & Pascu, 2012).

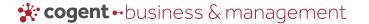
Several research results provide the same definition of fraud and error. Meanwhile, based on the behavioral context, cheating is done intentionally and motivated. However, ignorance or a lack of information can lead to unintentionally wrong behavior (Ghazali et al., 2014; Majid et al., 2014). Inconsistent findings have been found in research on financial mismanagement in villages. Lidyah (2018) found that the occurrence of village financial mismanagement was positively influenced by financial literacy knowledge. However, Morgan and Long (2020) stated that financial literacy is not important in preventing financial fraud. The differences in the results of previous studies have become a gap for the latest research in the field of finance by presenting new aspects or reexamining the same variables to answer inconsistencies in the results of previous research. Based on the results of previous studies measuring financial mismanagement using fraud indicators (Ekayani et al., 2020). Research on financial mismanagement has only ever been studied using qualitative methods so far. However, this study attempts to investigate using quantitative methods by creating indicators based on the concept of misbehavior in financial management.

Research on the effect of morality on preventing village financial mismanagement has reported varying results. Morality has a significant influence on the prevention of financial fraud (Balan & Knack, 2012). At the same time, Hodges and Sulmasy (2013) state that morality has nothing to do with cheating, as long as morality does not affect a well-managed life. However, in research Starr (2005) get the result that morality has nothing to do with someone's mistake in managing government finances. The results of previous studies still leave gaps for further research by retesting the same variables in different populations. In previous studies, morality and financial fraud investigations focused on the context of state institutions, banks and other profit organizations (Maria & Bleotu, 2014; Phornlaphatrachakorn & Peemanee, 2020). This study explores different populations, namely the village government, which is important to study, because the village government distributes large funds to villages with the hope that development starts from the village for advanced Indonesia. Contrary to the government's expectations, it turns out that the resources in the village are still not qualified to manage finances in a professional and accountable manner.

Mismanagement that occurs in village government will disrupt the intermediary function of the organization, so that the goals of achieving its performance will be difficult to achieve. In preventing mismanagement to improve bank performance, protect the interests of stakeholders and increase compliance with laws and regulations and ethical values (code of conduct) that apply in general to village government, it is mandatory to carry out organizational culture improvements (Phornlaphatrachakorn & Peemanee, 2020). Village government is one of the public sector organizations that provide services, so that in its operations, organizational culture is very important to consider as preventing mismanagement towards good governance (Saputra et al., 2021). Organizational culture in this discussion is more directed towards a culture that can prevent mismanagement. In contrast to previous research that occurred at central level government organizations and large private institutions, this analysis explores the smallest level of government institutions, namely villages. Because villages in Indonesia receive large amounts of funds to manage, and village administrations still have a shortage of qualified personnel to manage finances, it is suspected that high financial management violations have occurred. In addition, this study has an originality that raises the mismanagement variable. Previously, only the level of financial fraud was considered. Also, organizational culture variables adopted from Balinese local

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wisdom to become work guidelines for workers or employees in Bali. This becomes universal because the teachings of this culture are in synergy with international culture.

This research was conducted in Tabanan Regency because it is one of the largest areas and has the most villages, so that it automatically manages the most village funds in the Province of Bali. In addition, in this district, based on data from the media in Bali (bali.antaranews, Bali post, and the ombudsman) there have been the most cases of mismanagement of village funds based on management errors. However, not all cases are criminal cases, there are also civil cases and some cases are resolved amicably. Tabanan Regency is currently also experiencing a leadership and management crisis because the former district head for two terms and his assistants in the field of finance and village management were involved in corruption cases and have been sentenced to prison. This shows that Tabanan currently needs a solution for better management of village funds. For this reason, this research was conducted in order to be able to contribute to the transparent management of village funds.

The contribution of this research is theoretically providing a theoretical phenomenon to the theory of reasoned action in terms of mismanagement behavior and the morale of government employees in the economic development sector of government. Practical contributions are given to village administration so that they consider the determinants of individual behavior in preventing financial mismanagement by increasing good organizational governance. The implication of this research is to provide a reference for village administration to reinforce rules to place more emphasis on individual and organizational behavioral factors. More will be discussed in the next sub-discussion.

2. Literature review and hypothesis

2.1. Theory of reasoned action

Attitudes and subjective norms are determinants of the intention to behave in a certain way so that a person will intend to behave in a certain way if his assessment of the behavior is positive and he has the perception that those who are important to him want him to behave in such a way. In determining intentions, the two determinants have different weight combinations for different behaviors and individuals. What is meant by the attitude in this context is an attitude towards a particular behavior, namely the opinion of a person that carrying out behavior is good or bad, that he supports or opposes performing a particular behavior. Attitude is a function of belief. Someone who believes that a particular behavior will positively impact others will have a positive attitude towards that behavior. On the other hand, people who believe that the impact produced by behavior is negative will also have a negative attitude towards that behavior. Beliefs that underlie one's attitude towards a behavior are referred to as behavioral beliefs (Afdalia et al., 2014).

3. Financial literacy and prevention of financial mismanagement

A growing number of financial instruments have gained importance, including alternative financial services such as payday loans, pawnshops, and rent to own stores that charge very high interest rates (Moure, 2016). Simultaneously, in the changing economic landscape, people are increasingly responsible for personal financial planning and for investing and spending their resources throughout their lifetime. We have witnessed changes not only in the asset side of household balance sheets but also in the liability side. For example, in the USA, many people arrive close to retirement carrying a lot more debt than previous generations did (Lusardi et al., 2018). Overall, individuals are making substantially more financial decisions over their lifetime, living longer, and gaining access to a range of new financial products. These trends, combined with low financial literacy levels around the world and, particularly, among vulnerable population groups, indicate that elevating financial literacy must become a priority for policy makers (Moure, 2016).

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Financial literacy is knowledge of basic financial concepts, including compound interest, the difference between nominal and honest values, basic knowledge of risk diversification, the time value of money and others. Financial literacy indicators are general knowledge about finance, loans and savings, investment and insurance (Arianti, 2018; Lin et al., 2017). Previous research from Lin et al. (2017) finds that financial literacy significantly affects financial management behavior. There is a significant influence between financial literacy and financial fraud prevention behavior (Haque & Zulfiqar, 2016; Marcolin & Abraham, 2006). Based on previous research investigations, the following hypotheses can be formulated:

H1: Financial Literacy has a significant effect on Preventing Financial Mismanagement

4. Morality and prevention of financial mismanagement

Management morality significantly negatively affects the tendency of fraudulent financial management. Haque and Zulfiqar (2016) get results that the higher the morality of management, the lower the tendency of financial fraud or the higher the level of management morality, the more management pays attention to broader and universal interests than the interests of the company alone, especially personal interests (Stets & Carter, 2011; Wong & Lui, 2007). Horomnea and Paşcu (2012) stated that morality is a guideline that individuals or groups have regarding what is right and wrong based on moral standards. Morality can come from traditional or customary sources, religion or ideology or a combination of several sources (Euchner et al., 2013). Morality is measured by intrinsic and extrinsic indicators (Bromley & Orchard, 2015). Based on previous research, the following hypotheses can be formulated:

H2: Morality has a significant effect on preventing Financial Mismanagement

5. Financial literacy, morality, organizational culture and prevention of financial mismanagement

By using organizational culture, work behavior can be seen through employee evaluation of their results when controlled internally or externally (Saputra, Mu'ah et al., 2022). Employees/managers who understand the culture of the organization feel that they can personally influence results through their abilities, skills or their own efforts. If a worker/manager is committed to the organizational culture so that he is confident in his ability to solve a problem, then this will lead to preventive behavior against mismanagement and is expected to improve work performance/ achievement (Saputra et al., 2021). However, if an employee has a tendency to believe in factors outside of himself as a determinant of his success, and ignores organizational culture, this will actually lead to mismanagement at work (Saputra, Mu'ah et al., 2022). Related to the moderating variable of organizational culture, Bromley and Orchard (2015) states that organizational culture has a positive and significant effect on performance. Furthermore, according to Moure (2016) this condition shows that the values contained in the organizational culture in this study are able to reduce mismanagement. From the explanation above regarding the results of previous research, the following hypotheses can be obtained:

H3: Organizational culture moderates the effect of financial literacy and morality on mismanagement behavior.

6. Method

This study examines the effect of financial literacy and morality on preventing mismanagement of village financial management. Therefore, the conceptual framework of the research can be described as follows:

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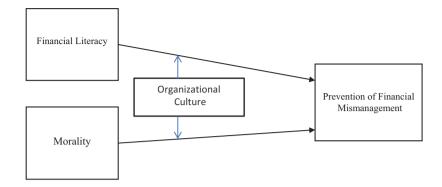
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AO2 Figure 1. Research model.



The research design used in this study is a survey research design conducted on village heads in Tabanan Regency, Bali-Indonesia Province. The population in this study were village heads in Tabanan Regency, with a total of 133 villages. To get a sample that can describe and reflect the population in this study which amounted to 133 villages, the calculations using the Slovin formula used a sample of 100 village heads in Tabanan Regency. The sampling technique used in this study uses proportionate random sampling, which is selecting samples by taking sample members from the population proportionally by taking into account the strata that exist in a population. From the number of questionnaires that were distributed, 87 of the results of the questionnaires were analyzed. Data analysis technique using multiple linear regression (Atmadja et al., 2021). Research data were analyzed with multiple regression models and moderated regression analysis.

The financial literacy variable consists of indicators of basic knowledge of financial management, savings education, and investment management (Warmath & Zimmerman, 2019). Morality indicators based on Sayans-Jiménez et al. (2017) consists of politeness and adherence to organizational culture, social and environmental concerns, honesty at work, and compliance with rules and responsibilities. The prevention of financial mismanagement variable adopts indicators of fraud prevention and is adjusted based on research objectives, which have indicators namely pattern of good organizational structure, management mindedness, uniformity regarding work methods and procedures between divisions or sections, effective implementation of supervision, effective coordination, and equation of vision and mission (Zeng & Yang, 2020, December). The organizational culture variable adopts indicators from Saputra, Mu'ah et al. (2022) which consists of integrity, work ethics, and environmental sustainability.

This study adds a moderating variable, namely organizational culture. The organizational culture referred to here is a local culture based on Balinese local wisdom which is adopted in the organization to be used as the main guideline in organizing for Balinese people (Saputra, Mu'ah et al., 2022). This culture is based on three things, namely respecting God, fellow human beings, and the universe (Saputra et al., 2021). These three things are universal teachings that are in line with today's international human culture. Both belief in God, respect for fellow human beings, and glorify the universe. Organizational culture as a moderating variable is important to prevent mistakes in village financial management.

Questionnaire statements are arranged with a Likert scale of 1 to 5, which states that they strongly agree with the highest score and strongly agree with the lowest score. Variable measurement indicators conform to previous studies which are modified and adapted to research needs and the context of field research. Survey research techniques allow the researcher to play a major role when explaining the research objectives and detailing the content and intent of the questionnaire. The researcher also made an ethical agreement with the respondent, because the respondent was a village government official. The questionnaire prepared has gone through a pilot study process (conducted with university lecturers throughout Bali), because researchers assume that lecturers have experience dealing with village administration in terms of research or

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community service. Lecturers have qualified government knowledge so that they can be used in pilot studies. After a pilot test was carried out, and it was declared valid and reliable, the questionnaire was then given to the real respondents.

7. Results and discussion

The implementation of this research was carried out first by testing the validity and reliability of the instrument. The validity test uses the product moment Pearson correlation test by connecting each item score with the total score obtained in the study. The instrument reliability test is measured based on Cronbach's alpha value.

The profiles of respondents in this study were grouped by age, education, and years of service. The characteristics of respondents based on age showed that they were at the age of 30–39 years as much as 20%, respondents were at the age of 40–49 years as many as 41.76%, and at the age of 50–59 years as many as 38.24%. Most of the respondents had a high school education background, as many as 82.35%, with a bachelor's degree as many as 17.65%. Based on the years of service of the respondents, as many as 88.24% of respondents had a working period of 1–5 years, and 11.76% had a service period of > 5 years. The results of testing the validity and reliability of the instrument indicate that the instrument used in this study is valid and reliable, as indicated by the value of the item-total variable correlation coefficient greater than 0.3 and significantly less than 0.05. The reliability test results showed that the Cronbach alpha value for all variables used in this study was more significant than 0.70. The multiple linear regression analysis results explain the effect of financial literacy and morality variables on preventing village financial mismanagement. The results of these calculations are shown in the following table:

Based on the test results, the influence of financial literacy and morality on the prevention of financial mismanagement can be interpreted as follows:

- (1) = 0.340; means that if the morality variable (X2) is considered constant, then increasing the implementation of financial literacy (X1) by one unit will be followed by the prevention of financial mismanagement (Y), an average of 0.340
- (2) = 0.729; means that if financial literacy (X1) is considered constant, then it increases morality (X2) by one unit and will be followed by an increase in the prevention of financial mismanagement (Y) by an average of 0.729

From the regression analysis above, it can be seen that the variables that have a significant effect on preventing mismanagement are financial literacy and morality with significance values of 0.000 and 0.018. The FL*OC variable is 0.024 and ML*OC is 0.025. Age variable (AGE) as a control variable has a significance of 0.022. This shows a significance value of less than 0.05, which means that the relationship between variables has a significant effect. FL, ML, FL*OC and ML*OC variables have a significant effect on preventing mismanagement behavior through interaction tests. Financial literacy and morality variables are proven to have an impact on preventing mismanagement with organizational culture variables as moderating variables. The interaction test results above are complemented by an additional residual test method because they do not fulfill one regression assumption, namely the assumption of multicollinearity. This is overcome by developing a residual test method. Residual test results by regressing the absolute residuals of organizational culture regression results on financial literacy and morality with the dependent variable. The residual test results are presented in Table 7.

From Table 7 it can be seen that the variable preventing of financial mismanagement has a significant effect on the absolute residual results of the regression model between organizational culture and financial literacy and morality, and the coefficient obtained is negative, namely –0.95, so it can be said that financial literacy and morality has a significant effect on preventing of financial mismanagement with organizational culture as a moderating variable. Therefore,

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Table 1. Financial literacy model indicators and measurements					
Item/Indicators	Code	Pearson Correlation	Cronbach's Alpha		
Basic knowledge of financial management	FL.1	0.701	0.901		
Credit management	FL.2	0.871			
Savings education	FL.3	0.701			
Investment management	FL.4	0.774			

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Table 2. Morality model indicators and measurements			
Item/Indicators	Code	Pearson Correlation	Cronbach's Alpha
Politeness and adherence to organizational culture	ML.1	0.865	0.870
Social and environmental concern	ML.2	0.777	
Honesty at work	ML.3	0.710	
Compliance with rules and responsibilities	ML.4	0.812	

AQ6

Table 3. Prevention of financial mismanagement model indicators and measurements			
Item/Indicators	Code	Pearson Correlation	Cronbach's Alpha
Pattern of good organizational structure	PFM.1	0.705	0.806
Management mindedness	PFM.2	0.733	
Uniformity regarding work methods and procedures between divisions or sections	PFM.3	0.700	
Effective implementation of supervision	PFM.4	0.801	
Effective coordination	PFM.5	0.730	
Equation of vision and mission	PFM.6	0.711	

AQ7

Table 4. Organizational culture model indicators and measurements			
Item/Indicators	Code	Pearson Correlation	Cronbach's Alpha
Integrity	OC.1	0.800	0.971
Work ethic	OC.2	0.821	
Environmental Sustainability	OC.3	0.810	

according to the results obtained, hypothesis three (H3) can be accepted. The results of the interaction test include control variables. The following table compares the value of the goodness of the regression model using R² before entering the control variable and after entering the control variable for each response variable preventing of financial mismanagement.

The goodness-of-fit value of the regression model (R²) is the coefficient of determination whose function is to find out how much the diversity of the response variables can be explained by the

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Table 5. Multiple linear regression test results						
Variable	Unstandardized Coefficient		Stanaaraizea Coefficient	T	Sig	Results
	В	Std. Error	Beta			
Constant	33,277	12,077		2,755	0,007	
FL	0,684	0,250	0,340	2,738	0,008	Received
ML	1,038	0,146	0,729	7,091	0,000	Received
Adjusted $R^2 = 0.988$						
F _{count} = 1257,267						
Significant F = 0,000						

explanatory variables, so that in the regression analysis the higher the R squared value, the better the regression model will be. Based on Table 8. it can be seen that R squared has increased after the regression is given the addition of control variables. The increase in R squared in the regression with the response variable prevention of financial mismanagement tends to be high, which is around 10%. This is because there is a control variable that has a significant effect on performance and job satisfaction, namely the age variable.

Based on the results of data analysis that has been carried out regarding the effect of financial literacy and morality on preventing financial mismanagement, it is found that financial literacy has a positive effect on preventing village financial mismanagement. The hypothesis is accepted based on the t-count for the financial literacy variable of 2.738 and the t-test significance value of 0.008, which is smaller than = 0.05 and the regression coefficient value of 0.340. These results indicate that financial literacy positively prevents financial mismanagement (Fernandes et al., 2014). The results of this study are supported by the main principle of behavioral theory, namely the relationship between individual knowledge related to finance and financial behavior (Balushi et al., 2018).

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Explanatory	Variable Response prevention of financial mismanagement			
Variables	Coefficient	t count	Significance	
Constant	99,580	20,852	0,000	
FL	-2.050	-4.704	0.000	
ML	-0.577	-2.441	0.018	
FL*OC	0.041	2.320	0.024	
ML*OC	0.022	2.422	0.025	
AGE (Control Variable)	-1.037	-2.412	0.022	
R square	0,764			

Problems will occur when financial employees with inadequate financial literacy knowledge are asked to prepare and plan village finances as outlined in the village government budget according to applicable standards and regulations, the results will lead to budget errors (Saputra et al., 2019, 2020). This assumption emphasizes that if individuals act without maximizing their financial literacy knowledge, then good governance will not be achieved in the process of implementing good governance (Fernandes et al., 2014). It can cause the creation of a control or prevention of fraudulent village financial management (Lusardi et al., 2010; Osman et al., 2018). However, if the financial literacy possessed by individuals has quality, the organizational control system will be better and build confidence to manage mismanagement (Earl et al., 2015; Garg & Singh, 2018;

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Table 7. Residual test results			
Model: $absres = \alpha + \theta_1 y$			
Hypothesis	Variable	Coefficient	Significance
H3	Constant	10,053***	3,746 (0,000)
	Prevention of financial mismanagement	-0,095***	-2,683 (0,009)

Information:

^{***)} significant at 1%

Table 8. Value of the goodness of the regression model (R2)			
Response variable	R ²		
	No control variable	With control variable	
PFM	0,735	0,764	

Potrich et al., 2016). The results of this study agree with previous research from Saputra et al. (2019) and Osman et al. (2018).

An essential indicator of people's ability to make financial decisions is their level of financial literacy (Lusardi et al., 2018). The Organisation for Economic Co-operation and Development (OECD) aptly defines financial literacy as not only the knowledge and understanding of financial concepts and risks but also the skills, motivation, and confidence to apply such knowledge and understanding in order to make effective decisions across a range of financial contexts, to improve the financial well-being of individuals and society, and to enable participation in economic life (Moure, 2016).

In the context of rapid changes and constant developments in the financial sector and the broader economy, it is important to understand whether people are equipped to effectively navigate the maze of financial decisions that they face every day (Lusardi et al., 2018). To provide the tools for better financial decision-making, one must assess not only what people know but also what they need to know, and then evaluate the gap between those things (Moure, 2016). There are a few fundamental concepts at the basis of most financial decision-making (Klapper et al., 2015). These concepts are universal, applying to every context and economic environment. Three such concepts are (1) numeracy as it relates to the capacity to do interest rate calculations and understand interest compounding; (2) understanding of inflation; and (3) understanding of risk diversification (Van Prooijen & Ellemers, 2015).

These findings are supported by many other surveys. For example, the 2014 Standard and Poor's Global Financial Literacy Survey shows that, around the world, people know the least about risk and risk diversification (Klapper et al., 2015). Similarly, results from the 2016 Allianz survey, which collected evidence from ten European countries on money, financial literacy, and risk in the digital age, show very low-risk literacy in all countries covered by the survey. In Austria, Germany, and Switzerland, which are the three top-performing nations in term of financial knowledge, less than 20% of respondents can answer three questions related to knowledge of risk and risk diversification (Allianz, 2017). To summarize, financial literacy is low across the world and higher national income levels do not equate to a more financially literate population. This enhances the measure's utility because it helps to identify general and specific vulnerabilities across countries and within population subgroups, as will be explained in the next section (Moure, 2016). The results of this study agree with previous research from Klapper et al. (2015) and Allianz (2017).

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Morality has a positive effect on preventing village financial mismanagement. The second hypothesis is accepted based on the tcount value for the morality variable of 7.091 and the t-test significance value of 0.000, which is smaller than = 0.05 and the regression coefficient value of 0.729. The results of this study are supported by the main principle of interaction theory, namely, an open system in a company closely related to interaction for adjustment and control of the environment to maintain good governance (Fernandhytia et al., 2020; Saputra et al., 2020). It shows that good governance morality will result in effective and efficient error prevention. In addition, positive individual morality possessed by government leaders will result in better public trust in the government (Bromley & Orchard, 2015; Kurniawan & Azmi, 2019). Therefore, there is a balanced correlation between morality and public trust so that synergy can be established to jointly supervise the running of the government, especially in managing village finances for community welfare and increasing village independence (Saputra et al., 2020). The results of this study agree with previous research from Saputra et al. (2020); Fernandhytia et al. (2020); and Kurniawan and Azmi (2019).

In this study it can be interpreted that morality plays an important role in preventing financial mismanagement, especially within the scope of village government which only has limited human resources in financial management. In addition, the capacity of village officials who still need to be increased makes the role of morality significant in realizing clean village governance (Bromley & Orchard, 2015; Kurniawan & Azmi, 2019). This is related to the relationship between the village leadership or head and apparatus and apparatus to establish harmonious and synergistic relationships with other communities to supervise and participate in village financial management, especially in preparing the village budget (Saputra et al., 2019). Everyone who deals with village finances within the scope of village administration, either directly or indirectly, must have a good mentality or morals so as not to get caught up in corruption which ultimately leads to legal action. Morality is more controlled by each individual (Saputra et al., 2020). There is no system that can control morality so that the behavior of everyone in the village government must work together to create a government that is transparent, accountable and participatory (Fernandhytia et al., 2020; Saputra et al., 2020). Therefore, in essence, the morals of the village apparatus are very important in preventing financial mismanagement in any form that exists in the administration of village governance, especially in financial management. This research is in line with previous research from Saputra et al. (2020), and researchers agree with the results of previous studies.

This research is in line with research conducted by Saputra, Mu'ah et al. (2022) which states that organizational culture has a significant effect on fraud prevention. In addition, the results of this study support research conducted by Saputra et al. (2021), Sujana and Saputra (2020), and Saputra et al. (2019) who in their research stated that organizational culture variables had a positive and significant effect on preventing management errors. An explanation that can be given from the results of the third hypothesis test is that financial literacy, morality and organizational culture can influence the prevention of mismanagement in village government in Bali (Saputra et al., 2021). Therefore, conditions like this show that the values contained in organizational culture can and are important to be applied in a government. Financial literacy and morality which are individual controls, can be strengthened by anti-corruption values contained in the organizational culture to prevent acts of mismanagement in village government (Saputra et al., 2019). In the context of preventing mismanagement including control variables, according to the results of the analysis, empirically found that age determines employees to engage in deviant behavior (Muslichah, 2020). This means that, the older the age, the need will increase, so the need for money also increases. If not limited by good governance and financial literacy, morality education, and a strong organizational culture, fraud or mismanagement will occur (Sujana & Saputra, 2020). Therefore, it is necessary to consider the age factor in the context of preventing financial mismanagement. The results of this study support previous research from Sujana and Saputra (2020); Saputra et al. (2021); and Muslichah (2020).

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8. Conclusion

Based on the study's results, it can be concluded that financial literacy and morality significantly positively affect preventing village financial m. It can indicate that in organizationally managing village finances, applying an excellent financial literacy mechanism is necessary to avoid fraud. In addition, the morality of the village government apparatus needs to be improved either through training or awareness of local wisdom which can be believed to be capable of being an internal controller for each individual. Therefore, further research can link local wisdom variables such as internal control of the village apparatus and re-explore financial factors such as financial performance, financial development, and public finance theory, which is the government domain.

Financial education can also be efficiently provided in workplaces. An effective financial education program targeted to adults recognizes the socioeconomic context of employees and offers interventions tailored to their specific needs. Finally, it is important to provide financial education in society, in places where people go to study. A recent example is the international finance federation public sector, an innovative global collaboration promote financial knowledge through outreach and meetings in the public sector and exchange of resources. Village Government Organizations can become places where to provide good financial literacy among young and old. There are various other ways in which finance education can be offered as well as targeted to specific group, namely the village government apparatus. However, there are few evaluations of effectiveness such initiatives and this is an area where more research is urgently needed, given the statistics reported in the first part of this paper.

One of the things that mismanagement perpetrators do is think outside the box. When an actor learns the mechanism of work, control weaknesses and controls so that he becomes innovative in exploring gaps to gain profits. This will be difficult to detect, if the functions within the organization are not aware and ignore the organizational culture in carrying out operational activities. Sometimes gaps have been identified but seem to be insensitive and become an acute disease within the organization which is then only realized after the loss has actually occurred. This of course requires an organizational culture that is integrated with the government's internal control system. Financial mismanagement is only one of the many threats faced by village governments. Perpetrators have many ways of committing intentional fraud making it difficult to detect. This is when organizational culture needs to strengthen the influence of financial literacy and increase morality in preventing financial mismanagement.

The implication for research, practice, or society is that research implies that this research is important to be carried out to provide up-to-date solutions for the high level of management errors in village financial management. The social implications are in terms of implementing research results in organizations that have a positive impact on village communities to get their rights to enjoy and manage village funds with the aim of welfare. The results of this research also have an impact on business, the economy and public policy. In the business sector, this study has an impact on the sustainability of local community businesses that expect assistance from village funds. In the economic sector, of course, the misuse of village funds has an impact on community creativity, because the allocation of village funds is prioritized for the economic welfare of the community, not for government operations. And in the policy sector, based on the results of this research, regional and village governments should make firm policies regarding the guidelines for good village financial governance based on financial regulation and transparency and accountability.

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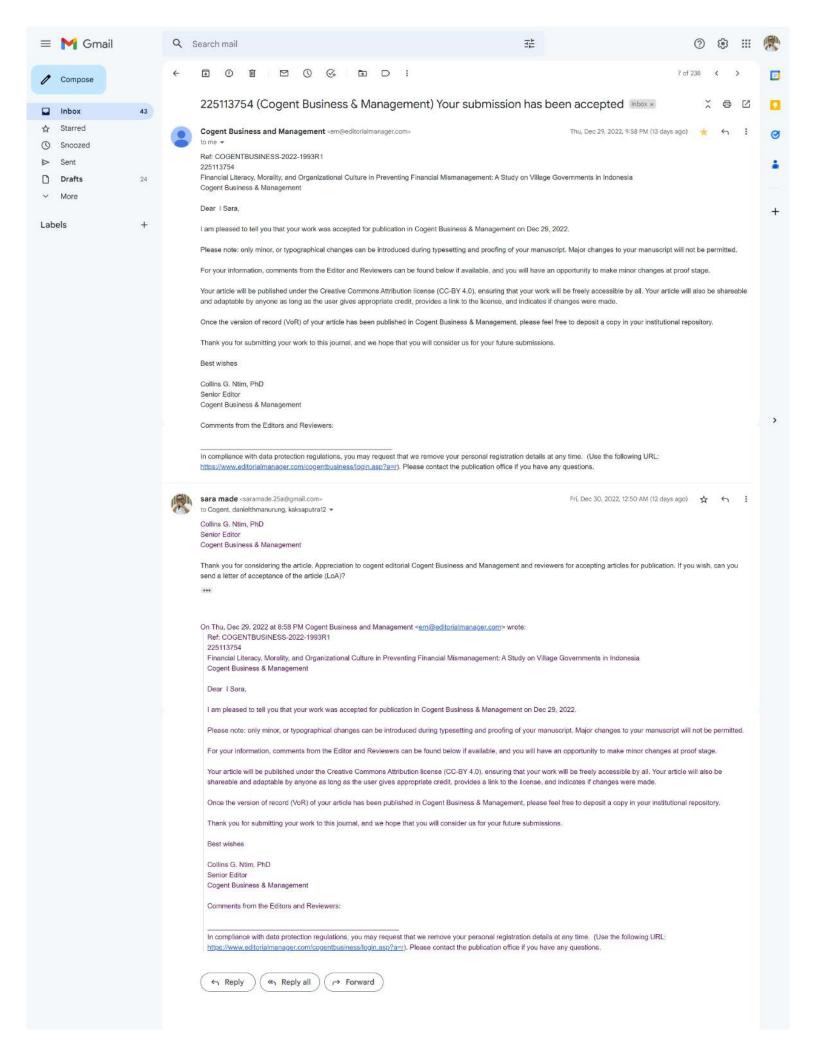
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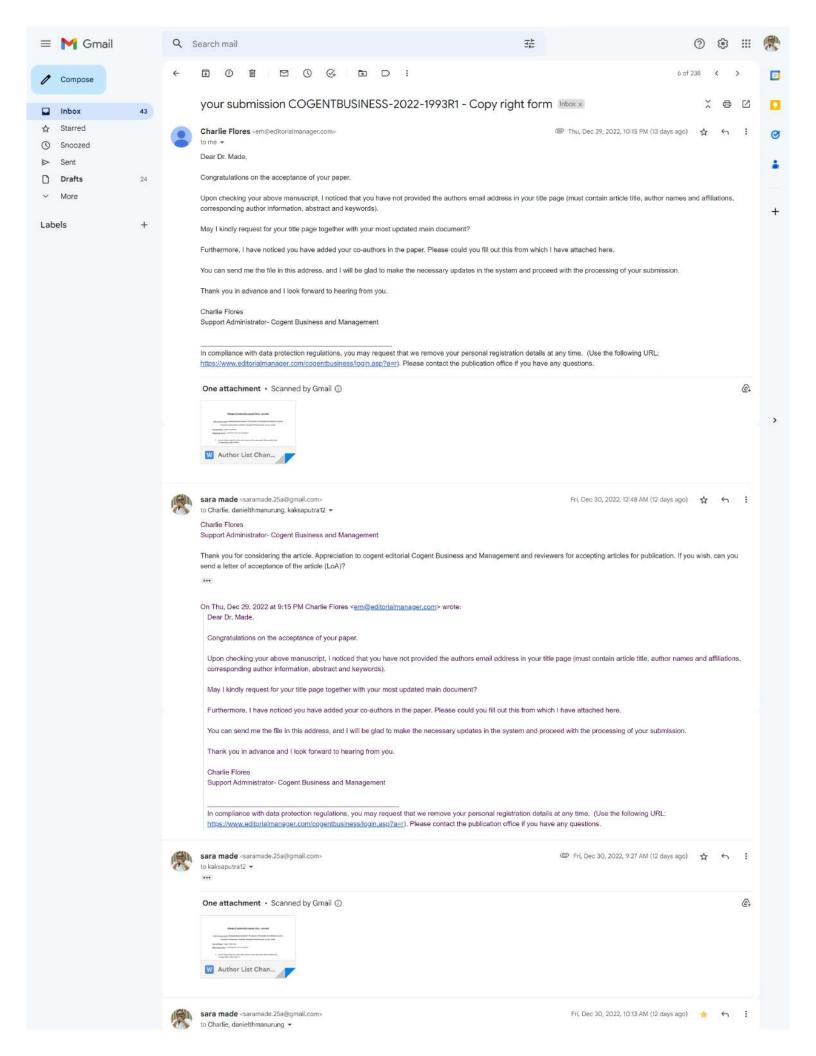
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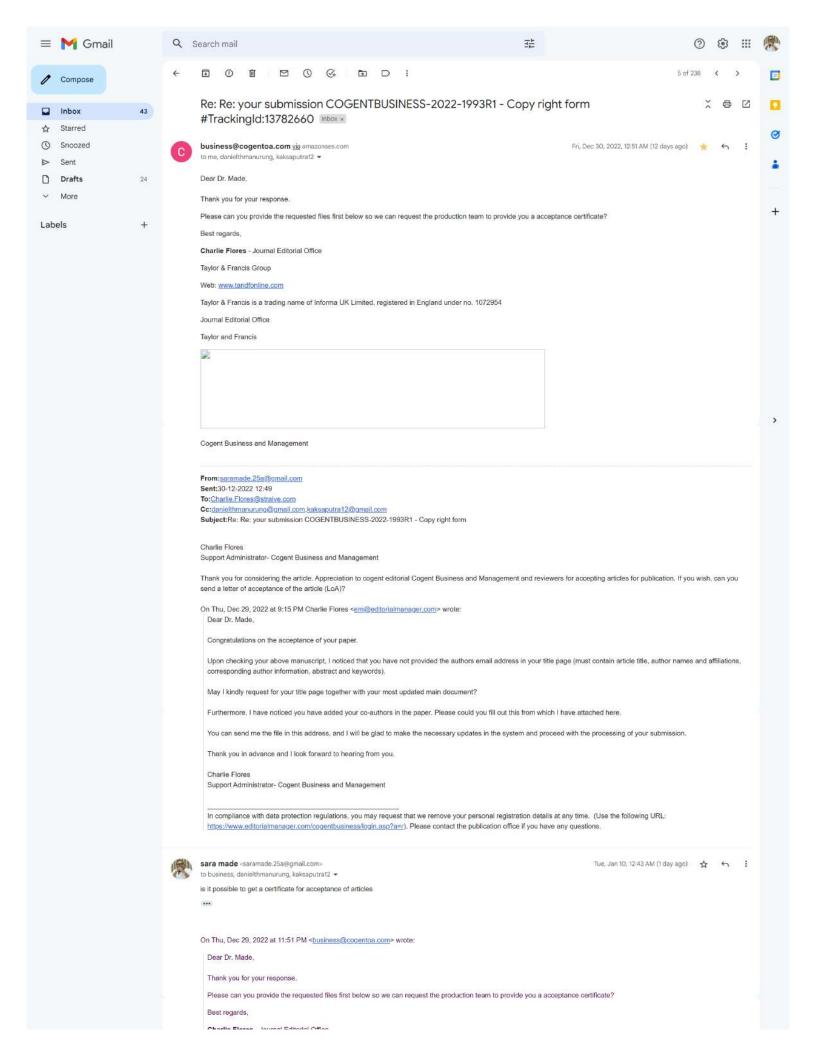
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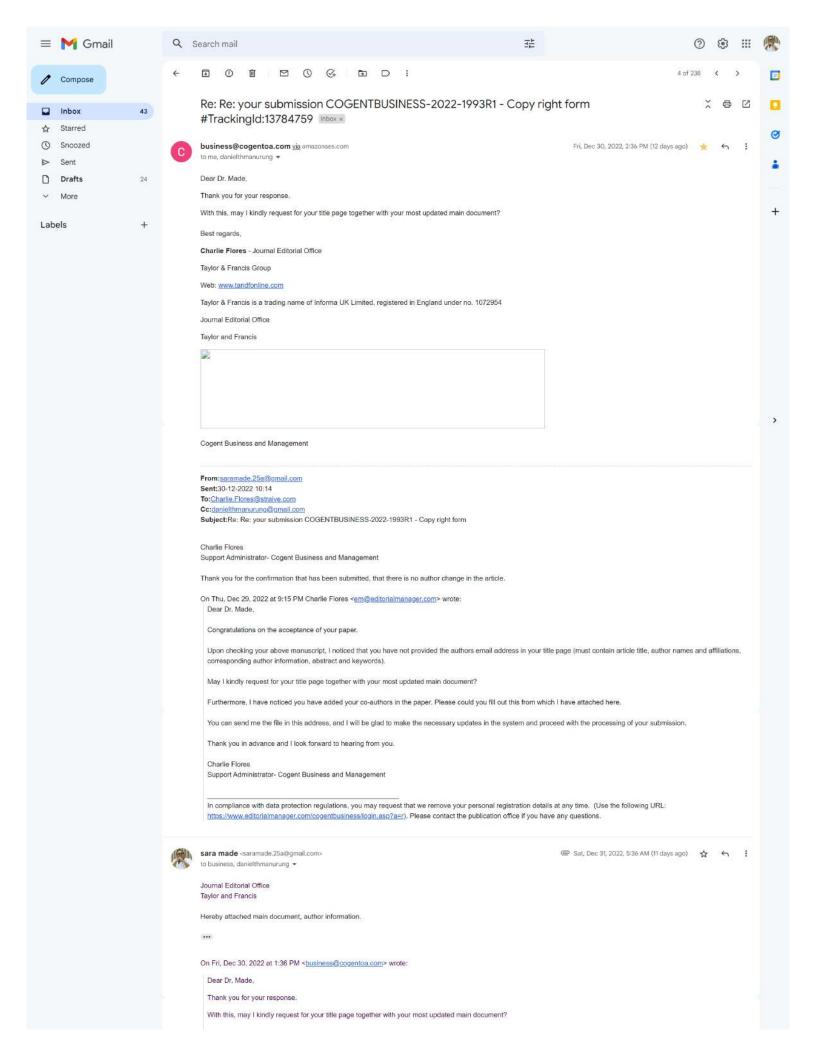
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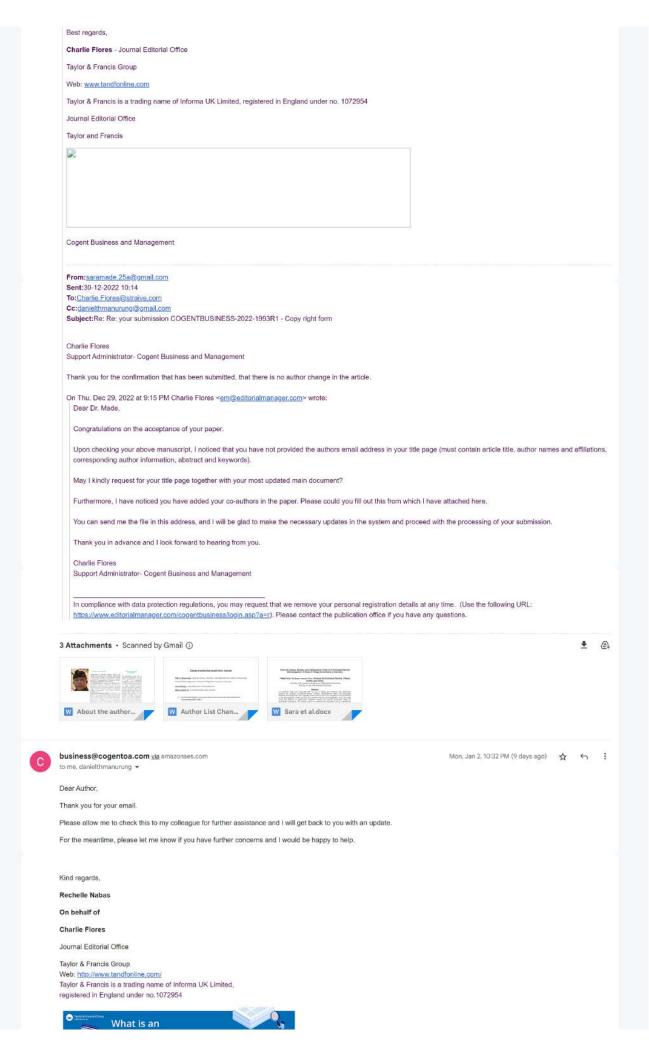
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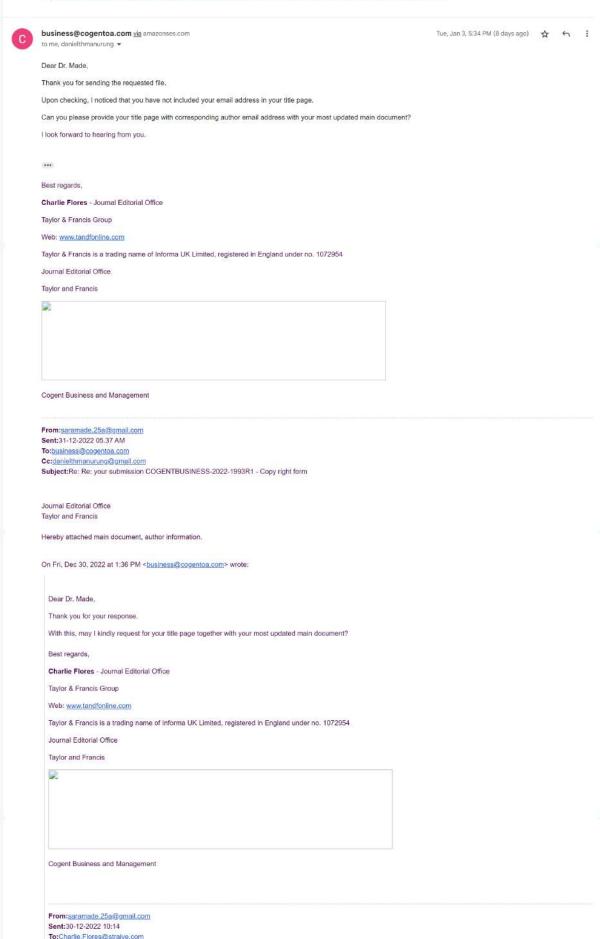






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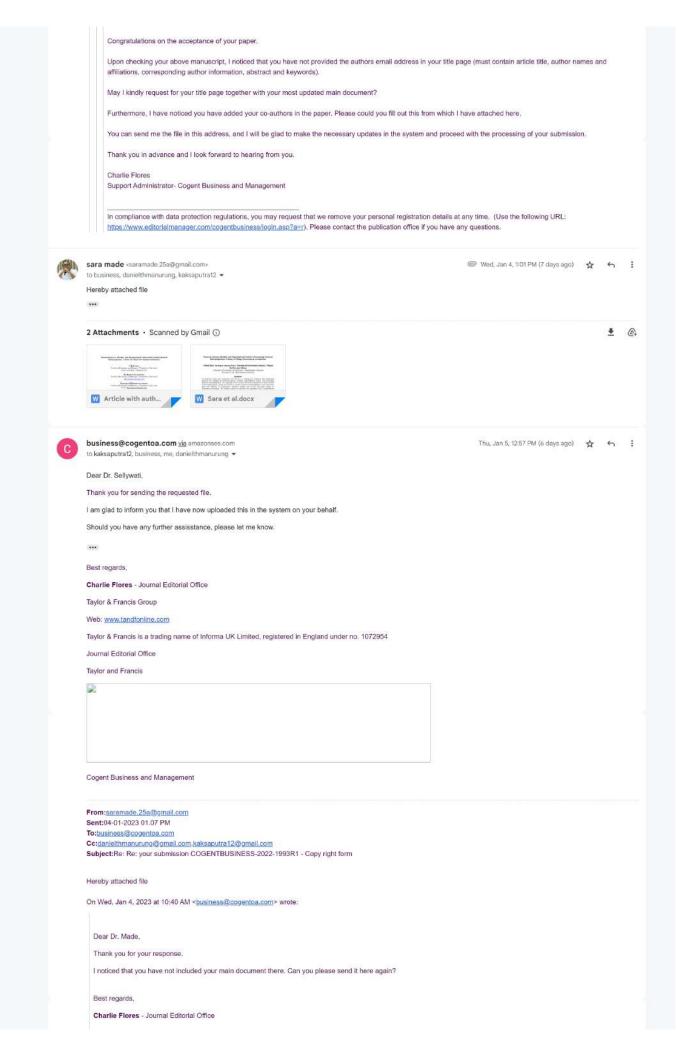
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PUBLIC INTEREST STATEMENT

The organization always tries to maintain its sustainability. For this reason, organizations must be able to carry out sustainable management. One of the efforts is to control or prevent the occurrence of financial mismanagement which can trigger fraudulent practices organization, within the especially in financial management. Every main and supporting activity that does not provide added value must be identified and eliminated, so that employee morality needs to improved. In addition, employees and all levels of the organization need to have financial knowledge or literacy in order to understand the process of entering and exiting finances or managing finances. Therefore, it is not only financial literacy and morality that can increase the prevention of financial mismanagement, but also an organizational culture adopted from local wisdom which in turn increases the overall prevention of financial mismanagement. Findings from research on local government leaders in Tabanan Regency, Bali, Indonesia as respondents indicate that by increasing financial literacy and morality, they are able to do better in preventing financial mismanagement. In addition, organizational culture strengthen the relationship between financial literacy and morality towards preventing financial mismanagement. financial Thus. literacy. morality, and organizational culture contribute to preventing financial mismanagement.

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New Author list and order	First name(s)	Family name	Email address	Contribution of authors (please see our authorship criteria)
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2 nd author	Ida Bagus Udayana	Putra	iudayanaputra@gmail.com	Responded to reviewers' and

				editor's comments and Revised and answered the comments and feedback which were shared by the reviewers.
3 rd author	Komang Adi Kurniawan	Saputra	kaksaputra12@gmail.com	Revised and proofread the final
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Financial Literacy, Morality, and Organizational Culture in Preventing Financial Mismanagement: A Study on Village Governments in Indonesia

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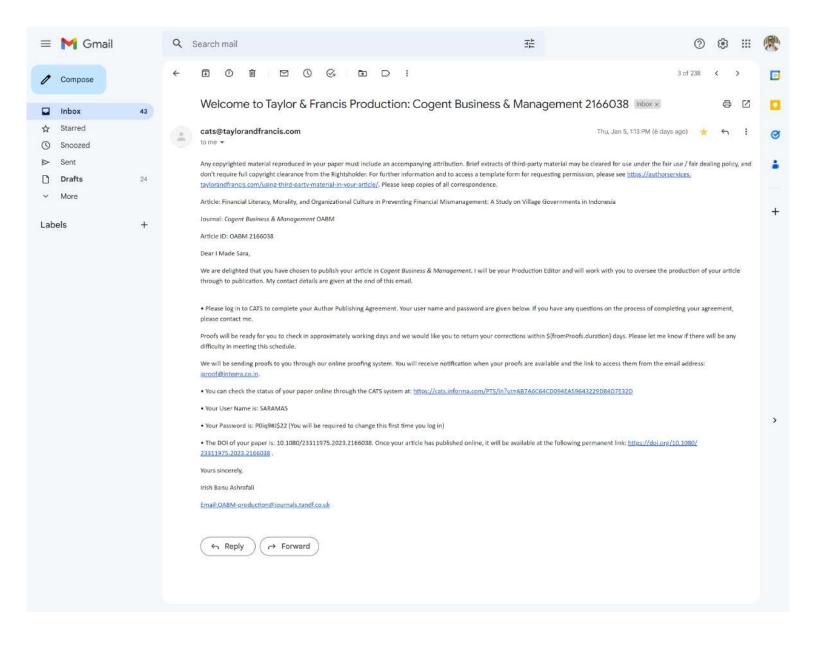
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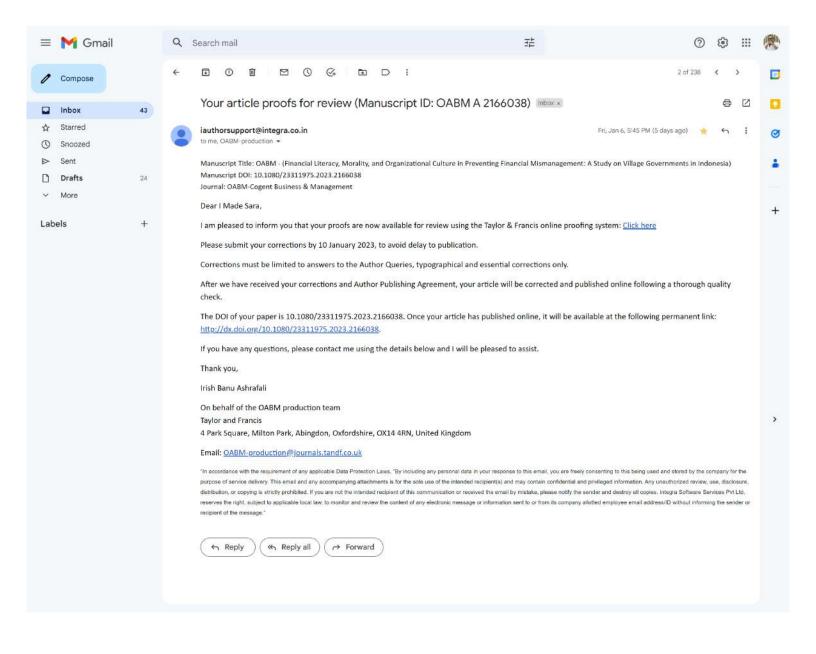
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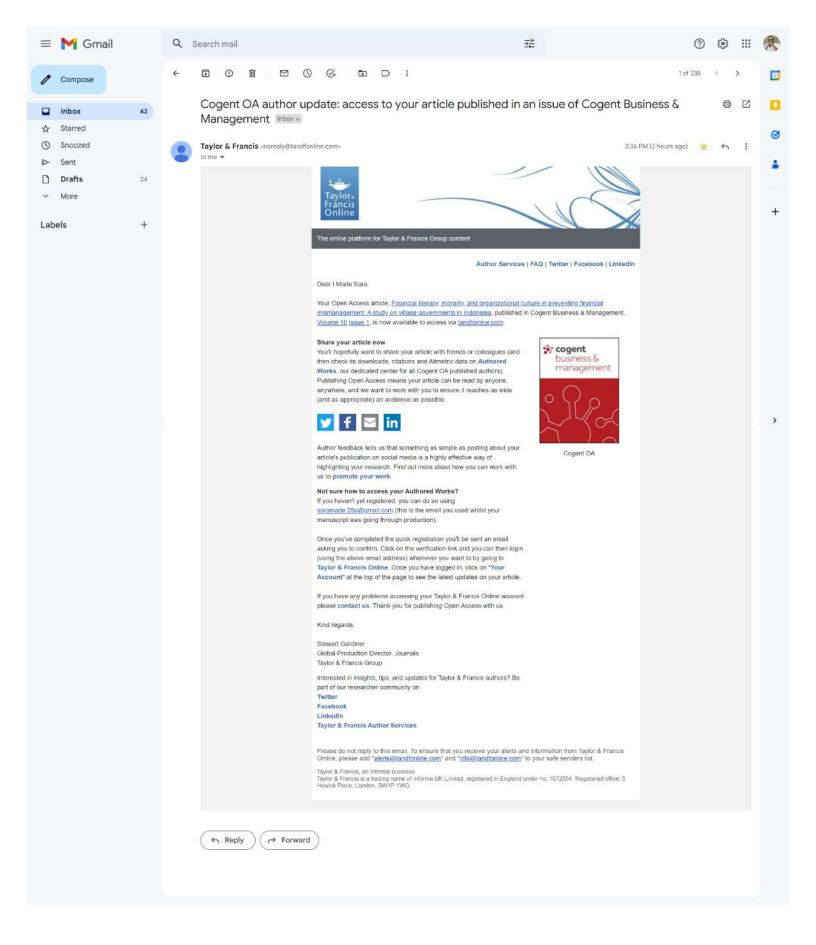
Abstract

An empirical study was conducted with the aim of testing and analyzing the relationship between the variables of financial literacy, morality, organizational culture, and preventing financial mismanagement. The originality of this research lies in the integration of cultural factors in the organizational context and efforts to prevent financial mismanagement, which are rarely given the attention of researchers. Research design with survey techniques based on quantitative philosophy. The sample chosen to represent the population uses a proportionate random sampling technique. Data collection techniques using a structured questionnaire. Also, the collected data were analyzed using multiple linear regression models and moderation analysis. The results obtained from this study are based on the results of the analysis that financial literacy and morality have a significant effect on preventing financial mismanagement. Other empirical results find that organizational culture is able to moderate the relationship between financial literacy and morality towards preventing financial mismanagement. The contribution of this research is theoretically providing a theoretical phenomenon to the theory of reasoned action in terms of mismanagement behavior and the morale of government employees in the economic development sector of government. Practical contributions are given to village administration so that they consider the determinants of individual behavior in preventing financial mismanagement by increasing good organizational governance. The implication of this research is to provide a reference for village administration to reinforce rules to place more emphasis on individual and organizational behavioral factors.

Keywords: financial literacy, morality, organizational culture, public finance, financial mismanagement







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THE UNIQUENESS OF PROSOCIAL BEHAVIOR IN BALI ON THE VILLAGE FUND MANAGEMENT ACCOUNTABILITY

¹Made Gede WIRAKUSUMA, ²Putu Gede Wisnu Permana KAWISANA

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This research is based on the phenomenon of accountability of village funds that are still needed to strengthen the Indonesian government's policies in the rural and urban sectors in developing the nation and state. The inconsistency of previous research related to village fund accountability also triggered this research by examining the pro-social behavior of village government officials that influenced individual characteristics (competence, participation, and leadership) in increasing accountability of village fund management. The research respondents were village government officials in Tabanan Regency, a district with the largest number of villages, with village funds in Bali Province in 2019. The survey used a questionnaire, distributed to village government officials that were clustered (random cluster sampling) based on 10 sub-districts with 133 villages in Tabanan Regency. There are 3 positions of village government officials (village head or village secretary, and head of financial affairs) as respondents, and a sample of 72 questionnaires was obtained, according to the cluster and proportion of the number of villages per sub-district. The results of testing with Moderated Regression Analysis show that pro-social behavior strengthens the influence of human resource competencies and the leadership of village government officials concerning increasing accountability of village fund management. Meanwhile, pro-social behavior has not proven its influence on the relationship between community participation and village fund management accountability.



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INTRODUCTION

The Indonesian government is currently strengthening the nation and state development through public service reforms starting from the village levels. A large village fund budget requires efficient, effective and economic accountability (value for money) as a form of regional accountability (Biswas et al., 2019; Matei et al., 2016). In 2019 the Provincial Government of Bali obtained an allocation of village funds according to the State Budget of Rp.630,189,586,000 (DJPK. Ministry of Finance, 2019). With the largest number of villages, Tabanan Regency received the largest allocation of Rp.118,204,542,000 to be distributed to 133 villages spread across 10 subdistricts.

Until now, there are still issues of accountability / accountability in the management of village funds. The Corruption Eradication Commission (KPK) stated that there were 14 potential frauds in village financial reporting, including regulatory and institutional aspects, governance aspects, supervisory aspects, and human resources aspects (www.kpk.go.id). It also happened in the province of Bali, such as the misuse of village fund allocations (ADD), and embezzlement of APBDes funds which resulted in state losses (Saputra et al., 2019, 2021).

The competence of village government officials and the level of citizen participation in village development, together with the limitations of village leaders, are some of the factors that have indicated influences on the management of village funds in Indonesia (Jayawarsa, Saputra, et al., 2021; Saputra, Rumini, et al., 2020). Particularly in Bali, there is a uniqueness of village life related

to the existence of spirit in the village officials (*prajuru desa*) and the trust given by the community as a form of service (*ngayah* concept). For the Balinese traditional village community, working for the community is a form of devotion, or *yadnya*, whose results will be obtained in the next life (Wirajaya, 2014). Acts like helping or volunteerism and sincere self-devotion without thinking about rewards cannot be separated from pro-social behavior (Widyarini, 2005).

The review of several previous studies on the factors that influence accountability in financial management shows inconsistent results. It is caused by the presence of contingent factors that potentially influence the relationship between human resource competencies (HR), community participation, and leadership in financial management accountability, including village funds. Thus, this study aims to reveal the influence *of prosocial behavior* in moderating the relationship between HR competencies, community participation, and leadership, on the accountability of village fund management (Atmadja et al., 2021; Saputra, Subroto, et al., 2020).

Human resources are the most important factor in an organization. The competence of human resources has a significant effect on the quality and reliability of financial reporting of the Local Government (Irwan, 2011; Wansyah et al., 2012). In contrast, HR competency did not affect the accountability of government financial performance (Rofika & Ardianto, 2014). The inconsistencies may be due to the *pro-social behavior* that owned by village officials, which affects the relationship between the competencies of human resources on the accountability of the funds village (Saputra et al., 2019).

Society participation can be interpreted as the participation of several people in various activities. Participation does not affect the financial performance accountability of SKPD (Raharja et al., 2015; Retnaningtyas, 2016). However, community participation had a significant negative effect on the budget with regional financial oversight (APBD) Werimon, 2005). Community participation influences the success of village development (Suarmanayasa, 2017). Village government officials with high pro-social behavior will carry out their duties following their responsibilities, thereby increasing community participation (Chamidah et al., 2020).

The social position that shows the role in village governance is the head of the village in managing village funds (Xu et al., 2018). There was a positive relationship between the leadership of the village head and community participation in development (Djaenuri, 2010). Moreover, the leadership of the village head has a strong influence on the success of village development (Wulandari, 2013). In contrast, there is no influence of leadership on organizational performance (Supartha, 2006; Sapta, 2017).

METHODS

This study uses a quantitative approach, with a survey method using a questionnaire to collect primary data in the form of respondents' perceptions related to leadership and competence of village government officials and community participation that affect accountability in village fund management, including perceptions related to pro-social behavior. The location of the study was carried out in the area of Tabanan Regency.

The study population is the government and village officials involved in the process of planning, implementing and monitoring village activities in Tabanan Regency. Samples were selected using a cluster-based on sub-district random sampling technique and then proportioned according to the number of villages in each sub-district. Samples are village government officials (the head of the village or the secretary, and the head of the finance affair. There are 133 villages in Tabanan Regency, so the population is 266. The research subjects of more than 100 people can be taken 10-15% or 20-25% or more (Arikunto, 2010), so based on 10 districts with 133 villages, the number of respondents will equal to 72 respondents proportionally.

Accountability measurement of village fund management in the form of village government officials' perceptions of their accountability openly and honestly that emphasizes the harmony of human relations with God (parahyangan), humans with humans (pawongan) and humans with the natural environment (palemahan), with 11 statements (Ariyanto, 2014). HR competency is

village government officials' ability to manage village funds. The number of statements is 10, developed by Irwan (2011). Community participation is community participation in the perception of respondents about the involvement and participation of the community in every activity of the village fund management process, with 10 statements (Werimon, 2005). Leadership in this study is the response of respondents using 3 indicators: task structure, relationship structure, and position of power. The questionnaire was developed by Surya (2014). Pro-social behavior in the context of this study is the behavior of village government officials as a form of devotion (ngayah) to managing village funds (Kusumaningrum,2014). All statements to measure the research variables are outlined in a questionnaire with a multilevel scale measurement (Likert scale) with five alternative answers, namely: 1 = strongly disagree (STS), 2 = disagree (TS), 3 = neutral (N), 4 = agree (S), 5 = strongly agree (SS).

Instrument testing was carried out for the validity and reliability of the research questionnaire. The analysis technique used in this study is a moderated regression analysis, with the classical assumption test being performed first as a requirement of the causality test, and accompanied by a descriptive statistical analysis. The moderation regression model is shown in the following equation.

 $Ak = a + b_1 SDM + b_2 Par + b_3 Kep + b_4 Pro + b_5 SDM*Pro + b_6 Par*Pro + b_7 Kep*Pro + e$

RESULT AND DISCUSSION

The research respondents are the village head or village secretary and the head of financial affairs. This study succeeded in collecting 72 questionnaires (the return rate of the questionnaire was 100%), and all questionnaires were used in further analysis. Characteristics of respondents are relatively varied. Nearly 80% are male (56 people) and 16 women. Most (60 people) were aged between 30-50 years, and 12 people were aged between 20-29 years. The level of high school / vocational education there is 15 people and diplomas/scholars 52 people, with levels of experience between 1 to 12 years. Respondents with the position of village head were 10 people, while the village secretary was 26 people, and the head of financial affairs was 36 people. Testing the instrument's validity using the Pearson correlation (Ghozali, 2012) shows that all the statements have a validity of each score point statement more than 0,3. Therefore, it shows that the research instrument is valid. A reliability test is used to measure the consistency of answers to statements for a variable in this study. Every variable measured using statements in the instrument has a value (Cronbach's Alpha > 0.60) it can be concluded reliably. This study uses a regression model so that classical assumptions must be tested to fulfill the requirements of the causality model. Testing for normality using the test Kolmogorov-Smirnov, while heteroscedasticity uses Gleitser. The regression model of this research has passed the Normality and Heteroscedasticity test. The descriptive statistics of this study are shown in Table 1 below.

Table 1. Descriptive Statistics

	N	Min	Max	mean	Std. Dev
HR	72	34	48	41,85	3,270
PAR	72	37	50	43,24	3,617
PEM	72	66	90	77,44	7,136
PRO	72	42	55	47,53	3,914
AK	72	39	55	49,01	4,378

Source: Data Processed

Based on the descriptive statistical results, the average level of HR competence, the community participation felt by the respondent, the leadership factor, and the respondent's perception of pro-social behavior and the level of accountability of village fund management are believed by respondents to be relatively high.

Hypothesis testing using Moderated Regression Analysis with the test result is presented in Table 2 below it.

Table 2: Moderated Regression Testing Results

			0	0		
		В	Std. Error	Beta	t	Sig.
1	(Constant)	0,089	0,412		0, 216	0,829
	HR	0, 396	0, 112	0, 343	3,526	0,001
	PAR	0, 158	0, 109	0, 148	1,445	0, 153
	PEM	0, 009	0, 037	0, 024	0, 237	0,814
	PRO	0, 319	0, 107	0, 285	2,972	0,004
	SDM * PRO	0, 015	0, 006	0, 212	2,432	0,018
	PAR * PRO	- 0, 007	0, 038	- 0, 022	- 0, 194	0,847
	PEM * PRO	0, 119	0, 048	0, 284	2,493	0, 015
Adjuste	d R - square	0.654				
F count	_	17,273				
F sig		0,000				

Source: Data Processed

Based on the test results shows that the coefficient of determination Adjusted R-Square is 0.654, which means that the variation of HR competencies, community participation and leadership, together with the prosocial behavior of village government officials, can explain the accountability of village fund management by 65,4%, while 34,6% is explained by other factors not included in this testing model. Meanwhile, the regression model testing results through the F-test show that this model has a decent (fit). Moreover, to assess the significance level of F with α = 0,05 showed, the Sig. F of 0,000 <0,05 and F value of 17, 273, so this means that the regression model is feasible to be used in this study.

Based on Table 2, there is a summary of the MRA test results to be interpreted and also for hypothesis testing. Coefficient β 5 = 0,015; shows the interaction of HR competencies and prosocial behavior is positive so that it can significantly increase the accountability of village fund management (sig. 0,018 <0,05). It means that the influence of HR competencies and prosocial behavior is reinforced by enhancing accountability village fund management, where other independent variables are held constant. Thus, Hypothesis 1 can be accepted that prosocial behavior strengthens the effect of HR competencies on village fund management accountability. Coefficient β 6 = -0,007; that-the interaction variable of community participation and prosocial behavior has no significant relationship (sig. 0.847>0,05) to the variable accountability of village fund management. It means that prosocial behavior influences the relationship between community participation variables and village fund management accountability, where other independent variables are considered constant (Bustaman et al., 2018; Jayawarsa, Saputra, et al., 2021). Thus, Hypothesis 2 cannot be accepted that prosocial behavior cannot strengthen the influence of community participation on village fund management accountability (Atmadja et al., 2021; Ekayuliana et al., 2018; Wahyudi et al., 2019). β7 =0,119; that the interaction variable between leadership and prosocial behavior has a positive and significant relationship to the accountability variable of village fund management (sig. 0.015 < 0,05). It means that prosocial behavior influences that can strengthen the relationship between leadership variables and village fund management accountability, assuming other independent variables are considered constant. Thus, Hypothesis 3 can be accepted that prosocial behavior strengthens the influence of leadership on the accountability of village fund management (Saputra et al., 2019).

Prosocial behavior strengthens the effect of HR competencies on village fund management accountability means that the higher the competence of village government officials, the higher the accountability of village fund management, especially if village government officials have high prosocial behavior (Stavrova & Siegers, 2013). In addition, village government officials' high sense

of devotion to help, share, cooperate, empathize, and be honest causes a stronger desire to be responsible for managing village funds (Chamidah et al., 2020; Jayawarsa, Purnami, et al., 2021).

Prosocial behavior cannot strengthen the effect of community participation on village fund management accountability (Stavrova & Siegers, 2013). On the contrary, prosocial behavior actually weakens the effect of community participation on village finance and accountability, although it is not statistically significant. It reflects a sense of devotion to the concept of ngayah, which village government officials increasingly own; during the high community, participation will be able to reduce accountability in village fund management (Mariyatni et al., 2020; Siregar & Muslihah, 2019).

Prosocial behavior strengthens the influence of leadership on accountability in village fund management. Therefore, the village government officials who have high levels of prosocial behavior to serve and ngayah higher will become increasingly accountable management of village funds.

CONCLUSION

Based on the results of empirical testing and discussion, it can be concluded that (1) the prosocial behavior of village government officials further strengthens the relationship between HR competencies and accountability of village fund management, (2) prosocial behavior of village government officials weakens the relationship between community participation and accountability of village fund management, (3) the prosocial behavior of village government officials further strengthens the relationship between the leadership of the authorities to increase accountability in village fund management.

This study encountered several obstacles in the field that triggered further research related to differences in the characteristics of village characteristics and the social environment around village governance. The characteristics identified include differences in the characteristics of the *wed* (old) village and the newly developed village, the existence of the castle or the figure of the castle including religious and cultural figures, the distance to the city, and several other factors including the geographical location of a village.

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