BUKTI KORESPONDENSI

ARTIKEL JURNAL INTERNASIONAL BEREPUTASI (SCOPUS Q1)

- Judul Artikel : Beyond age: Decoding the investment DNA of generations Z and Y in Indonesia
- Jurnal/Vol/No: Investment Management and Financial Innovations, Vol. 21 No.3, 2024
- Penulis : Debbi Chyntia Ovami, Henny Zurika Lubis, Esa Setiana, Ita Mustika, Sari Wulandari
- 1. Bukti Registrasi di Jurnal Investment Management and Financial Innovations

m_ Manuscript	VIEW SUBMISSION #MA10957 Publication Process	
Debbi Chyntia Ovami	Consideration Initial Review Plagiarism Check Desk Review Peer review Decision Making Author's Response	
	New Publishing Submission 19.06.2024 19.06.2024 02.072024 29.072024 22.08.2024 26.08.2024 30.08.2024 Process ← Back to Submissions General TTLE Bervond Age: Decoding The Investment DNA of Generation z AND Y IN INDONESIA Author And Co-Authors Hitter and co-Authors Let an an an an an and y in indonesia	
Privacy Policy Contacts About the System	Debbi Chyntia Ovami, Henny Zurika Lubis, Esa Setiana, Ita Mustika, Sari Wulandari Contact Information JOURNAL Investment Management and Financial Innovations ARSTRACT	
🗏 🎽 Gmail	Q, admin X 莊 ⑦ ⑧ ◆ Ⅲ	
Compose	← 〒 ① 〒 ビ : 14 of many < >	EI
Inbox 570	New user registration > Index ×	
 ☆ Starred ③ Snoozed 	Manuscript Administration System «noreply@manuscript-adminisystem.com» Sun, May 19, 3:26 PM 🜟 🕲 🕤 🚦	Ø
 D Important ⇒ Sent D prafts 23 	Dear Debbi Chyntia Ovami, We would like to inform you that your account is registered in the Manuscript Administration System. To proceed with our system, please confirm your email by clicking the https://manuscript. adminisystem.com/verifyled39641be31040a5b2320719769939a82	*
Drafts 23 Categories	To get acquainted with our rules, please read <u>https://manuscriat.adminsystem.com/unvacy.solicy</u> To login, please use your email registered in the system as a username and password entered by you during registration or your ORCID If you need to change password, please use reset password service. To delete your account or in case of any questions, please contact us either by <u>support@manuscript.adminsystem.com</u> or +380992859134 We wish you to enjoy our services! Manuscript.Administration System	+
T	(reply) (roward) ()	>

2. Bukti Submit dan Artikel yang Disubmit di Investment Management and Financial Innovations

= 🎽 Gmail		Q, admin X 荓	0 \$	+		
0 Compose		< IO II ⊂ Q :	11 of many	<	>	
Inbox	570	MA10957: Your manuscript has been submitted 🔹 📠		8	ø	
☆ Starred	010	Manuscript Administration System «noveply@manuscript-adminsystem.com» Wed, Jun 19, 116 PM	* 🙂	4	:	ø
Snoozed						
D Important ▷ Sent		Dear Debbi Chyntia Ovami, Debbi Chyntia Ovami has submitted the manuscript BEYOND AGE: DECODING THE INVESTMENT DNA OF GENERATION Z AND Y IN INDONESIA to Investment Ma	anagement and	Financi	ial	-
Drafts	23	Innovations on 19 06 2024				
- D Categories		Submission form contains the following details: Journal: Investment Management and Financial Innovations				+
음, Social () Updates	3,217	Manuscript title: BEYOND AGE: DECODING THE INVESTMENT DNA OF GENERATION Z AND Y IN INDONESIA				
Pa Forums						
Promotions	3,717	Authors Information				
✓ More		Author - Correspondent				
Labels	+	First Name: Debbi Chyntia				
		Last Name: Ovami				
		Position				
= 附 Gmail		Q admin X 荘	() ()	+		
Compose		← 1 0 1	11 of many	<	>	33
J Inbox	570	First Name: Debbi Chyntia				
🛱 Starred		Last Name: Ovami			1	ø
Snoozed Important		Position				
 Sent 		Position Degree: Master/Lecturer				*
Drafts	23	Faculty. Faculty of Economics and Business				
→ Categories 梁, Social	3,217	Department: Accounting				+
 Updates 	710	University: Universitas Muslim Nusantara Al Washliyah				
P Forums		Business Address				
Promotions	3,717	Postal university address				
✓ More		City: Medan, Country: ID				
.abels	+	Personal university web page: NA Email: <u>debbichyntia@gmail.com</u>				
		IDs				
		ORCID: 0000-0001-9703-4781	0	*		
≡ M Gmail		Q admin X 荘	U 49	•		
0 Compose		← 〒 ① 箇 ビ ಟ : ORCID: 0000-0001-9703-4781	11 of many	<	>	53
🕞 Inbox	570	Researcher ID: N/A				
🛧 Starred		Co-authors				Ø
 Snoozed Important 		Co-Author's First Name: Henny Zurika				
D Important ▷ Sent		Co-Author's Last Name: Lubis				*
Drafts	23	Co-Author's University: Universitas Muhammadiyah Sumatera Utara				-
Categories	2 017	Co-Author's Faculty: Faculty of Economics and Business Co-Author's Department. Accounting				+
음, Social (j) Updates	3,217 710	Co-Author's Degree. Master/Lecturer				
Forums		Co-Author's Email: <u>hennyzurika@umsu.ac.id</u>				
S Promotions	3,717	Co-Author's ORCID. 0000-0027-09865 Co-Author's Researcher ID: GPC-6614-2022				
✓ More		Suprainal 3 Researcher ID, UP (-0014-2022				
Labels	+	Co-Author's First Name. Esa				
		Co-Author's Last Name Setiana				
		Co-Author's University: Universitas Negeri Medan Co-Author's Faculty: Faculty of Economics				
		Co-Author's Department: Accounting				>

3. Bukti Revisi Pertama

M Gmail		Q, admin X 荘	? {	6 3	+ =	:
Compose			8 of many	<	>	
Inbox	570	RE: MA10957: Notification on Submission 🔉 Inter 🛪	>	× 4	∌ ଅ	
Starred		v.matiukhina@manuscript-adminsystem.com	☆ ☺	÷	h :	
Snoozed		to me •				
Important		Dear authors,				
Sent		Also, the plagiarism report attached.				
Drafts	23	Please consider it.				
Categories		Plagiarism implies the use another author's work without permission or acknowledgement. Plagiarism may have different forms from copying word by word to rewriting. While defining plagia	arism the f	followi	ng	
& Social	3,217	definitions are taken into account: Literal copying				
) Updates	710	Copying the work word by word, in general or in parts, without permission or acknowledgement of the source. Literal copying is clearly plagiarism and is easily detected by plagiarism softwar	e.			
Forums		Substantial copying Replicating substantial part of the work without permission and confirmation of the source. In determining what is "substantial", both the quantity and the quality of the copied content are n	elevant. Q	uality i	s	
> Promotions	3,717	measured by relative value of copied text comparing to the whole text. Where the essence of the work was copied, even not very big part of it, plagiarism is identified. Paraphrosina				
More		Copying may be made without literal replicating, used in the original work. This type of copying is known as paraphrasing and it may be the most difficult type of plagiarism to reveal.				
		Plagiarism in all its forms is unacceptable and will lead to immediate rejection of the paper along with possible sanctions against authors.				
oels	+	Kind regards,				
M Gmail		Q admin X 驻	() E	. 5	•	
Compose			(?) E	ۍ د (• >	
Compose	670		(?) E	ور د	• >	
Compose	570		(?) E	₽ 5 ∕ <	• 	
Compose Inbox Starred	570	← Î O E E E : Kind regards.				
Compose Inbox Starred Snoozed	570	C C				
Compose Inbox Starred	570	C O D				
Compose Inbox Starred Snoozed Important	570	C C				
Compose Inbox Starred Snoozed Important Sent		C O D				
Compose Inbox Starred Snoozed Important Sent Drafts Categories		C C	Of Manu	iscript		
Compose Inbox Starred Snoozed Important Sent Drafts Categories S Social	23	C C	Of Manu	iscript		
Compose Inbox Starred Snozed Important Sent Drafts Categories Social D Updates	23 3,217	C C	Of Manu	iscript		
Compose Inbox Starred Snoczed Important Sent Drafts Categories Social D Updates Forums	23 3,217	C C	Of Manu	iscript		
Compose Inbox Starred Snoczed Important Sent Drafts Categories Social D Updates Forums	23 3,217 710	C C	Of Manu	iscript		
Compose Inbox Starred Snoozed Important Sent Drafts Categories & Social) Updates & Forums > Promotions More	23 3,217 710	Kind regards, From: noreply::manuscritet.adminsystem.com@mg.manuscriet.adminsystem.com <noreply::manuscritet.adminsystem.com@mg.manuscritet.adminsystem.com <="" <noreply::manuscritet.adminsystem.com="" p=""> From: noreply::manuscritet.adminsystem.com@mg.manuscritet.adminsystem.com <noreply::manuscritet.adminsystem.com <="" p=""> Sent:: Thursday, Uuly 4, 2024 0 01 AM To:::manuscritet.adminsystem.com Subject:: MA10807. Notification on Submission Dear Valeria Matukhina, The manuscritet MA1087. Notification on Submission Dear Valeria Matukhina, The manuscritet BEYOND AGE: DECODING THE INVESTMENT DNA OF GENERATION Z AND Y IN INDONESIA, submitted to Investment Management and Financial Innoversities. Please check and complete the process on phase Plagiarism Check as soon as possible. Kind regards, Manuscritet Administration System</noreply::manuscritet.adminsystem.com></noreply::manuscritet.adminsystem.com@mg.manuscritet.adminsystem.com>	Of Manu	iscript	al is	
Compose Inbox Starred Snoazed Important Sent Drafts Categories Social D Updates Forums Promotions	23 3,217 710 3,717	Kind regards, From: noreply::manuscritet.adminsystem.com@mg.manuscriet.adminsystem.com <noreply::manuscritet.adminsystem.com@mg.manuscritet.adminsystem.com <="" <noreply::manuscritet.adminsystem.com="" p=""> From: noreply::manuscritet.adminsystem.com@mg.manuscritet.adminsystem.com <noreply::manuscritet.adminsystem.com <="" p=""> Sent:: Thursday, Uuly 4, 2024 0 01 AM To:::manuscritet.adminsystem.com Subject:: MA10807. Notification on Submission Dear Valeria Matukhina, The manuscritet BEYOND AGE: DECODING THE INVESTMENT DNA OF GENERATION Z AND Y IN INDONESIA, submitted to Investment Management and Financial Innoversitie. Please check and complete the process on phase Plagiarism Check as soon as possible. Kind regards, Manuscritet Administration System</noreply::manuscritet.adminsystem.com></noreply::manuscritet.adminsystem.com@mg.manuscritet.adminsystem.com>	Of Manu	iscript	al is	
Compose Inbox Starred Snoozed Important Sent Drafts Categories & Social) Updates & Forums > Promotions More	23 3,217 710 3,717	Kind regards, From: noreply::manuscritet.adminsystem.com@mg.manuscriet.adminsystem.com <noreply::manuscritet.adminsystem.com@mg.manuscritet.adminsystem.com <="" <noreply::manuscritet.adminsystem.com="" p=""> From: noreply::manuscritet.adminsystem.com@mg.manuscritet.adminsystem.com <noreply::manuscritet.adminsystem.com <="" p=""> Sent:: Thursday, Uuly 4, 2024 0 01 AM To:::manuscritet.adminsystem.com Subject:: MA10807. Notification on Submission Dear Valeria Matukhina, The manuscritet BEYOND AGE: DECODING THE INVESTMENT DNA OF GENERATION Z AND Y IN INDONESIA, submitted to Investment Management and Financial Innoversitie. Please check and complete the process on phase Plagiarism Check as soon as possible. Kind regards, Manuscritet Administration System</noreply::manuscritet.adminsystem.com></noreply::manuscritet.adminsystem.com@mg.manuscritet.adminsystem.com>	Of Manu	iscript	al is	
Compose Inbox Starred Snoozed Important Sent Drafts Categories Social Updates Forums Forums Promotions More	23 3,217 710 3,717	★ I O I E E E E Kind regards, From: noreply::manuscript.adminsystem.com@mg.manuscript.adminsystem.com <noreply::manuscript.adminsystem.com> On Behalf Administration System Sent: Thursday, July 4, 2024 0 01 AM To: ymminkIna@manuscript.adminsystem.com Subject: MA10057: Notification on Submission Dear Valeria Matiukhina; The manuscript BEYOND AGE: DECODING THE INVESTMENT DNA OF GENERATION Z AND Y IN INDONESIA, submitted to Investment Management and Financial Inn overdue. Please check and complete the process on phase Plagarism Check as soon as possible. Kind regards, Manuscript Administration System One attachment - Scanned by Gmail () Manuscript Administration System</noreply::manuscript.adminsystem.com>	Of Manu	iscript	al is	

4. Bukti Revisi Kedua

🗏 M Gmail		Q v.matiukhina@manuscript-adminsystem.com X 荘 ⑦ 像 🔶 🏢
Compose		
Inbox	570	MA10957: Notification on Submission 👂 🛤 🕺 🖄 🖄
☆ Starred ③ Snoozed		V.matiukhina@manuscript-adminsystem.com Thu, Jul 4, 2:46 PM 🛧 🙂 🐆 👔
D Important		Dear Debbi Chynlia Ovami,
Sent		the manuscript BEYOND AGE: DECODING THE INVESTMENT DNA OF GENERATION Z AND Y IN INDONESIA, submitted to Investment Management and Financial Innovations Journal, needs
Drafts	23	to be revised. Comments: We have written recommendations for you earlier; please carefully consider each
Categories		When finalizing the manuscript in accordance with the requirements of the journal please pay special attention to the fact that this is a research paper, which is a final report on the finished
음, Social	3,217	original experimental study (the structure is Abstract, Introduction, Literature review, Method, Results, Discussion, and Conclusion).
Updates	710	https://www.businessperspectives.org/index.php/journals/investment-management-and-financial-innovations#submission-guidelines-for-authors
Forums Forums Promotions More	3,717	The length of the manuscript (maximum) should be up to 6,000 words (not including the abstract, list of sources and appendices). Divide the material into sections correctly. Clearly and specifically formulate the purpose of the study! The article's title should be specific, indicate the purpose of the study, and correlate with it. The article's purpose is indicated in the abstract, at the end of the literature review, and in the Conclusion.
abels	+	end of the menable review, and in the Conclusion. The Abstract (its volume is 150.250 words) but abstracts are welcome, in which the volume approaches 200.250 words) should have the following sequence of presentation of the material - relevance, purpose, method, result, and conclusion. This is exactly the sequence that should be. Most of the Abstract should be devoted to the result. Give a quantitative description of the result. Do not enter in the abstract and do not use (also in conclusions) unestablished abbreviations.
☐ Inbox ☆ Starred	570	Keywords should be chosen responsibly. You should not give the term, and then also its abbreviation. Their number is limited (about 8-10 words on average). They should not be repeated, just as they should not repeat the words from the article's title. Basically it should be words, not phrases. They should reflect the main idea and content of the article.
 Snoozed D Important ▷ Sent 		JEL Classification codes should be clarified. Their number is on average 2-4, and they should be placed in order from the main (important) to the secondary ones.
Drafts Categories	23	The Introduction is a half-page - a page of text devoted to the relevance of the research topic and the formulation of the SCIENTIFIC problem (in which this research is being conducted) as a whole. You should not conduct a literature review here. It is not necessary to tell how the research will be conducted, how the article is structured, what is the purpose of the research and what tasks the authors will solve.
 Social Updates Forums Promotions More 	3,217 710 3,717	The Literature review should include 30-40-50 analyzed sources. It should begin with a few introductory sentences. The sequence of the text must have logic (it is not determined by the place of the mentioned work on the shelf). It must be subordinated to the purpose of the study. Do not start each paragraph with a reference to the source. Do not structure the text in such a way that one paragraph is an analysis of one source. The review should be concluded with 2-3 generalizing sentences. Then the purpose of the study should be formulated. After that, formulate hypotheses (right here, all logether, and do not insert text between them). Of course, if you foresee them. As for the hypotheses, they should be formulated clearly and unambiguously! They should be clear and not repeat each other.
Labels	+	Then there should be a Methods section. Here you should describe the algorithm (procedure) of the study and provide primary data for calculations or indicate the sources of their receipt. This should be done following the logic of the academic presentation of the material.
		Further, the main section of the article is RESULT. Here you should not only present the results obtained (analytics, systematization, calculations), but also explain them, and describe the data of tables and figures in textual form. If the hypotheses were predicted, then provide the results of their verification.
☐ Inbox ☆ Starred	570	The Discussion section should include a discussion of the study's results, a comparison with previous ones, a discussion of why the authors have such results, and an indication of future prospects.
 Snoozed Important Sent 		The Conclusions should have the following logic - indicate the purpose of the study briefly demonstrate the obtained result, and indicate what conclusions should be drawn from it. Do not cite sources in the Conclusions, and do not repeat sentences from the abstract here.
) Drafts) Categories 응, Social	23	Don't start chapters with subsections. Don't break sections into a bunch of subsections. Variables in formulas must have established designations. They should be explained. Captions for figures and tables should be clear and understandable, even if they are shown in the context of the article. Do not indicate under the figures and tables that this is your own (author's) development or your own calculations because it should be so a priori. Column and row names in tables should be clear and complete.
Updates Forums	710	Carefully study each sentence, each paragraph, and the entire text of the article.
Promotions More	3,717	Please take a look at the examples of already published articles. Business Perspectives - Issue #2
abels	+	The deadline for revisions is 2024-07-11
		To revise a manuscript please don't forget to log in to the system and to upload a revised manuscript!
		Kind regards,

5. Bukti Revisi Ketiga

	M Gmail		ر v.matiukhina@manus	cript-adminsyste	em.com	×	計		?	()	+		
Main	Compose		÷ 🗉 🛈 🗉	5 2 :					4	of 7	<	`	B1
	Inbox	570	MA10957: No	tification on	Submission 🔉 🔤	box ×				×	æ	ß	
☆ ©	Starred Snoozed		v.matiukhina@mar to me •	uscript-adminsys	stem.com			Mon, Jul 29, 2:29 PM	☆	٢	¢	:	ø
Σ	Important		Dear Debbi Chyntia O										1
Þ	Sent Drafts	23	the manuscript BEYOI to be revised.	ND AGE: DECODING	G THE INVESTMENT DNA OF	GENERATION Z AND Y IN	NDONE	SIA, submitted to Investment Management and Financial In	novation	ns Jou	rnal, ne	eds	
- D	Categories	20			refully and process our recomm								+
2		3,217 710	investment communition problem (in which this	What does this sentence in the Introduction mean - "Also, I prefer to learn about investing yourself rather than relying on a financial planner by utilizing various online information sources and investment communities "? The Introduction is miswritten. The Introduction is a half-page - a page of text devoted to the relevance of the research topic and the formulation of the SCIENTIFIC problem (in which this research is being conducted) as a whole. You should not conduct a literature review here. There is no need for a literature review here. It is not necessary to tell how the research will be conducted, how the article is structured, what is the purpose of the research and what tasks the authors will solve.									
F.	Forums	3.717		In the Methods section, describe the respondents. Why such a selection, and who are they?									
~	More		Etc. The deadline for revisi	ons is 2024-08-05									
Lab	oels	+	To revise a manuscrip Kind regards,	t please don't forget t	to log in to the system and to u	upload a revised manuscript!							
			Valeria Matiukhina Managing Editor Journal Investment Ma	anagement and Finar	ncial Innovations								
													>

6. Bukti Artikel Proses Diterima

≡	M Gmail		Q v.matiukhina@manuscript-adminsystem.com X 驻		0	63	+	• 111	
0	Compose					3 of 7	<	>	
	Inbox	570	MA10957: Notification on Submission 🔉 🔤			×	₿	ß	l
☆	Starred			n, Aug 26, 5:07 PM	\$	٢	÷	:	
0	Snoozed		to me •						
D	Important		Dear Debbi Chyntia Ovami,						
⊳	Sent		The submitted manuscript BEYOND AGE: DECODING THE INVESTMENT DNA OF GENERATION Z AND Y IN INDONESIA to Investment Managem	ent and Financial	Innovati	ons Jou	urnal hr	15	
٥	Drafts	23	passed the review process and is waiting for your decision regarding the publishing.						
D	Categories		Please log in to the system to start or decline the publishing process.						
00	Social	3,217	Thanks						
0	Updates	710	Kind regards,						
믹	Forums		Valeria Matiukhina Managing Editor						
D	Promotions	3,717	Journal Investment Management and Financial Innovations						
~	More								

7. Bukti Artikel sudah Di Accepted

😑 附 Gmail	Qv	natiukhina@manuscript-adminsystem.com X 荘	0 🕸 🔶 🏢 🍓
Compose Inbox Starred Snoozed Important Sent	570	O O	2 of 7 < >
Categories Categories Categories Cupdates Forums Promotions VMore Labels	23 3.217 710 3.717	Article processing charge (APC) for -linvestment Management and Financial Innovations' for the authors with affiliation in u APC covers the costs of the publication process, including peer-review administrating, copy editing, hosting the files etc. Bus https://daw.moldbank.org/country https://www.busines.coerspectures.org/index.pho/journals/investment management-and-financial-innovationaltarticle-coord The manuscript will be open access, in compliance with LLC "CPC "Business Perspectives" copyright policy, you will retain all 4.0. Detailed information at Creative Commons site: <u>https://creativecommon.org/liceness/bv/4.0/</u> As soon as the payment will be done, (II) provide you with APC confirmation letter to let you have the reimbursement from re- We offer nest methods of payment:	siness Perspectives does not employ submission or reviewing charges. <u>essing-charge</u> Il rights to the contents of the published article under the Creative Commons license: CC BY
Inbox ☆ Starred ③ Snoozed 〕 Important ▷ Sent □ Drafts □ Categories … Social ○ Updates □ Forums ∨ More Labels	23 3,217 710 3,717 +	bitsu//data work/bank.org/country https://data work/bank.org/country https://data work/bank.org/country the manuscript will be open access, in compliance with LLC "CPC "Business Perspectives" copyright policy, you will retain all 4.0. Detailed information at Creative Commons site: https://creativecommon.org/licenses/bv/4.0/ As soon as the payment will be done, (II provide you with APC confirmation letter to let you have the reimbursement from of by WBE Wo offer next methods of payment: • by WBE • by WBE <t< td=""><td>Il rights to the contents of the published article under the Creative Commons license: CC BY</td></t<>	Il rights to the contents of the published article under the Creative Commons license: CC BY
Compose inbox Starred Starred Snoozed Dimportant Sent Dorafts Categories Social Oupdates Poromotions Vore	570 23 3.217 710 3.717	Image: Comparison of the second of the se	2 of 7 < >

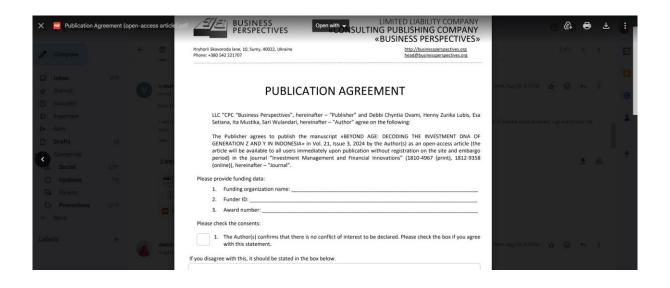
More
 Labels +





We are pleased to inform you that your manuscript "BEYOND AGE: DECODING THE INVEST-MENT DNA OF GENERATION Z AND Y IN INDONESIA", co-authored with Henny Zurika Lubis, Esa Setiana, Ita Mustika, Sari Wulandari, has been double blind peer-reviewed and accepted for publication in the international journal "Investment Management and Einancial Innovations", which is scheduled to be published in Volume 21 Issue 3, 2024. \bigcirc +





8. Revisi Proofreading

Follow as on Tablet in the //www.initedincemicompany.builess-centred.tws/	=	M Gmail		Q v.matiukhina@manuscript-adminsystem.com X 3⊑	0) 2	\$	
inbox 570 Import in the start of the problem of the p	,	Compose				1 of 7	<	>
v Mark Mark <t< td=""><td></td><td></td><td>530</td><td></td><td>☆</td><td>٢</td><td>¢</td><td>:</td></t<>			530		☆	٢	¢	:
Snozed Attached you'll find a paper for fint proofreading before publication. Important Please check the text of your article and correct mistakes (if any), inform me if there are any corrections indicating pageline/column. Sont Idraw your attendo to the fact that suggeritons and corrient mistakes (if any). Inform me if there are any corrections indicating pageline/column. Sont Idraw your attendo to the fact that suggeritons and corrient mistakes (if any). Inform me if there are any corrections indicating pageline/column. Categories Pay attendo.nov/ attendo to the fact that suggeritons and corrient mistakes (if any). Inform me if there are any corrections indicating pageline/column. Categories Pay attendo.nov/ attendo to the fact that suggeritons and corrient mistakes (if any). Inform me if there are any corrections will be considered and further approved by the publishing team. We reserve the right to make the final decision regarding style and the sce of figures/bable/inferences. Values Social 3.207 Information Idook forward to hearing from you today. Image factor (informational fleaser) from you today. Narage factor (informational fleaser) from you today. Valeria Mattukalina@Automisentettes.org Narage factor (informational fleaser) fournals [LC "OfC "Buinness Respectives" Valeria Mattukalina@Automisentettes.org Narager factor (intermotional fleaser) fournals [LC "OfC "Buinness Respectives" Valeria Mattukalina@Automisentettes.org Narager factor (intermotional fleaser) fournals [LC "OfC "Buinness Respectives" <	d		570	Dear Debbi Chymtia Ovami,				
Insportant Please check the text of your article and correct mittakes (if any). Inform me if there are any corrections indicating page/line/column. If any your attribute and correct mittakes (if any). Inform me if there are any corrections indicating page/line/column. If any your attribute and correct mittakes (if any). Inform me if there are any corrections indicating page/line/column. If any your attribute and correct mittakes (if any). Inform me if there are any corrections indicating page/line/column. If any your attribute and from the list of references. Categories Pay attention, only changes to the text of the paper, list of authors or scientific errors will be considered and further approved by the publishing team. We reserve the right to make the final decision regarding style and the size of promotions ATT I look forward to hearing from you today. Valence Attentions Attentions Attention Valence Attention Attention	r			Attached vov II find a paper for find proofinading before publication.				
Sont Idraw your attention to the fact that suggestions and comments were made in the text of the article. (highlighted). Including BiBLUGARAPPYI Literature sources without references from where you got them must be removed from the text and from the list of references. Portions Social Social	5			ter egy (1) a Alfrei a report Bygen maarken in der gemaanten – De mandeligen bekannten in				
Drafts 23 the text and from the list of references. Categories Pay attention, only changes to the tote of the paper, list of authors or scientific errors will be considered and further approved by the publishing team. We reserve the right to make the final decision regarding style and the size of figures/tables/references. Q Updates 7/10 Look forward to hearing from you tode;. Promotions 3,717 Valers Manufability. Unrafts (Lo "PC" Builness Perspectives". More Valers Manufability. Promotions 100."// Cr "Builness Perspectives".								
Social 3.217 Promotions 3.717 More More	5	Drafts	23		hem mu	ist be re	moved f	m
As Social Aut Updates 7/0 I lock forward to hearing from you today. Forums Forums Kind regards, Promotions 3,777 Valent Matukhins More Total/Matukhins Life C/C "Business Perspectives" More Total/Matukhins	>	Categories		Pay attention, only changes to the title of the paper, list of authors or scientific errors will be considered and further approved by the publishing team. We reserve the right to make the final decision reg	erding st	yle and	che size -	of
Porums Kind regards, Promotions 3,777 More Nanaging dotor; International Research Journal LLC "OFC "Business Respectives", More mathematic Research Journal LLC "OFC "Business Respectives", Tobal and Tobal and the state of	8	Social	3,217	figures/tables/references.				
Promotions 3,717 Valent Matulalina Marageng didor () International Research Journal (LLC "CPC "Business Respectives" More More Traditional Research Journal (LLC "CPC "Business Respectives" matulational (http://www.businesscenpectives.org follow.an on Leaderh. http://www.businesscenpectives.org follow.an on Leaderh. http://www.businesscenpectives.org follow.an on Leaderh. http://www.businesscenpectives.org follow.an on Leaderh. http://www.businesscenpectives/ tradew.an Dimeter follow.org	0	Updates	710	I look forward to hearing from you today.				
V Promouons 2,/// Managing Editor International Research Journals LLC "CPC "Business Perspectives" More vuntukhna@businesseensectives.org btts://businesseensectives.org btts://	9	Forums		Kind regards,				
More vmatukhna@buinsssensesthes.org http://buinsssensesteeties.org/buinsis http://buinsssensesteeties.org Fallow up on Unkedim http://www.huinsssensesteeties/ relow up on unkedim http://www.huinsssensesteeties/ relow up on unkedim http://www.huinsssensesteeties/ relow up on tweeting http://www.huinsssensesteetieseties/ relow up on tweeting http://www.huinsssensesteetiesetiesetiesetiesetieseti	0	Promotions	3,717					
abels + Fellow us on Twitter: <u>bitse//twitter.com/U.C_BP</u>	~	More		vmatukhina@businessperipectives.org https://businessperipectives.org/purnals http://www.businessperipectives.org				
	.abe	els	+	Follow us on Twitter: https://twitter.com/LLC_EP				
				From: v.matukhina@manuscript-adminsystem.com				

8. Proses Publikasi

< s	UBMIS	SIONS					SUE	MIT MANUSCRIPT
	ID	TITLE	AUTHOR	JOURNAL	PHASE	STATUS	SUBMISSION DATE	LAST ACTION
-	MA10957	BEYOND AGE: DECODING THE INVESTMENT DNA OF GENERATION Z AND Y IN INDONESIA	Debbi Chyntia Ovami, 	Investment Management and Financial Innovations	Publishing Process	Publication Process	19.06.2024	30.08.2024
	Rows per page:	20 ▼ 1-1 of 1 < >						
								Developed by MindK
	< S	ID 	BEYOND AGE: DECODING THE INVESTMENT	ID TITLE AUTHOR MA10957 BEYOND AGE: DECODING THE INVESTMENT DNA OF GENERATION Z AND Y IN INDONESIA 	ID TITLE AUTHOR JOURNAL MA10957 BEYOND AGE: DECODING THE INVESTMENT DNA OF GENERATION Z AND Y IN INDONESIA 	ID TITLE AUTHOR JOURNAL PHASE MA10957 BEYOND AGE: DECODING THE INVESTMENT DNA OF GENERATION Z AND Y IN INDONESIA "	ID TITLE AUTHOR JOURNAL PHASE STATUS MA10957 BEYOND AGE: DECODING THE INVESTMENT Debbi Chyntia Investment Management and Publishing Publication Ovami, Financial Innovations Process	ID TITLE AUTHOR JOURNAL PHASE STATUS SUBMISSION DATE MA10957 BEYOND AGE: DECODING THE INVESTMENT DNA OF GENERATION Z AND Y IN INDONESIA Debbi Chymtia Ovami, Investment Management and Financial Innovations Publishing Process Publication Process 19.06.2024



LIMITED LIABILITY COMPANY «CONSULTING PUBLISHING COMPANY «BUSINESS PERSPECTIVES»

Hryhorii Skovoroda lane, 10, Sumy, 40022, Ukraine Phone: +380 542 221707 http://businessperspectives.org head@businessperspectives.org

28th of August, 2024

Debbi Chyntia Ovami Lecturer, Department of Accounting Faculty of Economics and Business, Universitas Muslim Nusantara Al Washliyah Indonesia

ACCEPTANCE LETTER

Dear Debbi Chyntia Ovami,

We are pleased to inform you that your manuscript "BEYOND AGE: DECODING THE INVEST-MENT DNA OF GENERATION Z AND Y IN INDONESIA", co-authored with Henny Zurika Lubis, Esa Setiana, Ita Mustika, Sari Wulandari, has been double blind peer-reviewed and accepted for publication in the international journal "Investment Management and Financial Innovations", which is scheduled to be published in Volume 21 Issue 3, 2024.

> With cordial regards, Valeria Matiukhina

Managing Editor International research journal "Investment Management and Financial Innovations"

E-mail: v.matiukhina@businessperspectives.org

Beyond age: Decoding the investment DNA of generations Z and Y in Indonesia Debbi Chyntia Ovami (Indonesia), Henny Zurika Lubis (Indonesia), Esa Setiana (Indonesia), Ita Mustika (Indonesia), Sari Wulandari (Indonesia)

Debbi Chyntia Ovami, Henny Zurika Lubis, Esa Setiana, Ita Mustika, Sari Wulandari, 2024 Debbi Chyntia Ovami, Lecturer, Department of Accounting, Faculty of Economics and Business, Universitas Muslim Nusantara Al Washliyah, Indonesia. (Corresponding author)

Henny Zurika Lubis, Lecturer, Department of Accounting, Faculty of Economics and Business, Universitas Muhammadiyah Sumatera Utara, Indonesia.

Esa Setiana, Lecturer, Department of Accounting, Faculty of Economics, Universitas Negeri Medan, Indonesia.

Ita Mustika, Lecturer, Department of Accounting, Faculty of Economics and Business, Universitas Ibnu Sina, Indonesia.

Sari Wulandari, Lecturer, Department of Management, Faculty of Economics and Business, Universitas Muslim Nusantara Al Washliyah, Indonesia.

Should be in English!

This is an Open Access article, distributed under the terms of the Creative Commons Attribution 4.0 International license, which permits unrestricted reuse, distribution, and reproduction in any medium, provided the original work is properly cited.

Abstract

Investment decisions are a matter of how individuals should allocate funds into investment forms that provide future benefits. This paper investigates the impact of financial literacy, perceptions of risk and returns, family background, income, and financial technology proficiency on investment decisions among Generations Z and Y in Indonesia. This study uses a quantitative approach, using primary data from 240 respondents through purposive sampling. Primary data were collected through a questionnaire survey to collect respondents' perceptions and investment decisions. The Likert scale assesses indicators by eliciting responses to statements and questions. The Structural Equation Model Partial Least Square (SEM-PLS) approach was employed for analysis utilizing WarpPLS 8.0 software. The results show that financial literacy, risk and return perception, income, and fintech proficiency significantly influence investment decisions (p < 0.05), while family background does not (p > 0.05). In addition, fintech proficiency mediates the effects of financial literacy, risk perception, family background, and income on investment decisions (p < 0.05). These findings suggest that improving financial literacy and fintech skills can lead to better investment decisions among young investors. This study highlights the need for targeted financial education programs and innovative fintech solutions to support informed investment choices. Further research is recommended to explore additional factors influencing investment decisions and to develop strategies to improve financial decision-making in this demographic group.

Keywords: investment decisions, gen Z, gen Y, SEM-PLS, Indonesia **JEL Classification:** G11, J12, G40, G53 **Received on:** 19th of June, 2024 **Accepted on:** 26th of August, 2024 **Published on:**

Introduction

Effective personal financial management demands sound investment decisions. These decisions involve selecting appropriate instruments or assets to achieve individual financial goals and are crucial in influencing individual financial well-being. In recent years, the investment landscape has undergone

significant changes with the emergence of Generations Z and Y as major players. These young investors bring different characteristics and preferences, shaped by the generation's unique experiences and perspectives, such as being tech-savvy and being more open to other types of investments, such as stocks, bonds, mutual funds, and cryptocurrencies. Generations Z and Y also have a long-term investment horizon oriented towards investments that positively impact society and the environment. In addition, Gen Z and Y prefer learning to invest independently rather than relying on financial planners by utilizing various online resources and investment communities. The development of technology and the importance of sustainable and ethical investment practices are increasingly shaping the way this generation makes investment decisions. Understanding this generation's investment DNA is critical for those in the financial industry who want to effectively reach and serve this growing demographic by designing more appropriate and attractive investment products and services, increasing engagement, and building long-term relationships with Generation Z and Y investors. Beyond Age is dedicated to uncovering Generation Z and Y's investment patterns and preferences in Indonesia. Generations Z and Y, highly skilled in using technology, are more comfortable using online investment platforms and mobile applications, making it easier to access and manage investments.

1. Literature review and hypotheses

Investment decisions are a continuous investment process. If the performance measurement and evaluation stage has been passed and the results are not good, the investment decision can be started again until optimal results are achieved (Murphy et al., 2016). The concept of investing entails the act of postponing immediate consumption in order to allocate resources towards productive assets for a particular duration (Krawiec & Szydłowski, 2017). Investment refers to allocating financial resources or assets to generate future advantages. It involves committing a specific quantity of finances or resources from external sources to generate a sequence of returns over time. Investment activities refer to investing money by buying different financial assets (securities) or tangible assets (land, housing, or gold). This means that investment activities are activities carried out to avoid spending current money on purposeful activities to increase future profits (Berger & Udell, 1998). Investment decision behavior is the action of a policy decision taken in investing in assets or capital that will provide future benefits. An investment decision is a strategic approach that involves evaluating and selecting multiple investment possibilities to maximize future returns (Wen, 2010).

Financial literacy refers to an individual's capacity to comprehend and utilize financial information proficiently when making personal financial choices, including those related to investments (Lusardi, 2019; Gunawan et al., 2023; Wahyuni et al., 2023; Lusardi & Messy, 2023). Previous studies show that a high level of financial literacy is positively related to more intelligent and better investment decisions (Alaaraj & Bakri, 2020; Bai, 2023; Zhao & Zhang, 2021). Individuals with good financial literacy tend to manage investment risks better, understand expected returns, and make more informed decisions based on knowledge of various investment instruments (Baihaqqy et al., 2020; Weixiang et

al., 2022). Deacon and Hasseldine (2007) have been identified as influencing risk perception and investment returns. Typically, individuals who are more financially literate have a more comprehensive comprehension of the risks associated with various investments and can evaluate the return potential of those investments more accurately.

Perception of risk and return refers to how individuals assess the level of risk involved in an investment and their expectations of the expected returns from that investment (Huber & Huber, 2019; Jonathan & Sumani, 2021; Singh & Bhattacharjee, 2019). Previous studies show that these perceptions are crucial to a person's investment decisions. Individuals who have a high perception of risk tend to prefer to avoid risk and choose more conservative investments. In contrast, someone with a low perception of risk tends to be more willing to take higher risks for potentially greater returns (Almansour et al., 2023; Hoffmann & Post, 2017; Khan, 2016). Several studies have identified that perceptions of risk and return are also influenced by psychological and social factors, such as experience, education, and social-environmental influences (Hamilton & Lobel, 2015; Zhao & Zhang, 2021). For example, individuals who have had positive experiences with investing or have a high educational background tend to have lower risk perceptions and are more confident in making bolder investment decisions.

Family background includes parental education, financial values taught, family investment experience, and norms and habits in the family environment (Ameliawati & Setiyani, 2018). Previous research shows that family background significantly influences a person's financial attitudes and behavior, including making investment decisions (Barnea et al., 2010; Jonathan & Sumani, 2021). Individuals raised in a family environment emphasizing the importance of wise financial management tend to have a more positive attitude toward investing. They may be bolder in taking certain investment risks. Several studies also highlight that family background can influence perceptions of investment risk and return and the ability to plan long-term in building an investment portfolio. For example, individuals with greater access to financial education and investment experience from their parents may be better prepared emotionally and knowledgeably to weather market fluctuations and make smarter investment decisions.

Income is the main factor influencing an individual's ability to invest and choose investment products that suit a person's financial goals and risk profile. Previous research shows that individuals with higher incomes tend to have greater access to a variety of investment options (Jonathan & Sumani, 2021; Mouna & Anis, 2017; Sugiarto et al., 2024). This means individuals can allocate assets into various investment instruments, such as stocks, bonds, mutual funds, and others, according to their risk preferences and long-term investment goals. Higher income also allows individuals to assume the greater investment risk. Risk in investments is often associated with the potential for higher returns. Individuals can take risks to achieve higher investment returns. Thus, income affects the amount of money that can be invested and provides greater flexibility in diversifying the investment portfolio and taking advantage of riskier investment opportunities with the potential for greater returns.

The ability to use fintech is becoming increasingly important in today's digital era, where technology has changed the way individuals access, analyze, and manage investments (Barroso & Laborda, 2022; Buchak et al., 2018; Abu Daqar et al., 2020; Nelaturu et al., 2022). Previous studies show that individuals skilled in using fintech platforms and applications tend to be more active in managing investment portfolios. Individuals can more efficiently monitor investment performance, adjust investment strategies in real time, and make decisions based on more accurate and up-to-date data (Tomia & Tuharea, 2024; Paramita & Palesta, 2024). However, the literature also identifies that proficiency levels in fintech can vary significantly across individuals and demographic groups. Factors such as education, access to technology, and familiarity with technology influence how effectively individuals adopt and utilize fintech innovations in making investment decisions. In addition, challenges related to data privacy and security and the complexity of new technologies can also influence the level of fintech adoption in investment practices.

Apart from that, understanding and ability to use fintech can mediate the relationship between financial literacy, perceptions of risk and return, family background, income, and investment decisions of Generation Z and Millennials. First, the literature on financial literacy shows that knowledge and understanding of basic financial concepts play a crucial role in shaping individual investment behavior. Individuals with a high level of financial literacy can make more informed and rational investment decisions and better manage risks and investment return expectations. Furthermore, risk perceptions can influence a person's investment preferences, whereas individuals with high-risk perceptions tend to choose more conservative investments. In contrast, those with low-risk perceptions may be more likely to take more significant risks to achieve expected returns. Family background and income level are also essential factors in shaping investment decisions. Research shows that individuals who are raised in families with solid financial values or have higher incomes tend to have greater access and ability to invest and are better prepared to face market risk and volatility (Chaulagain, 2017; Khan et al., 2020; Prasad et al., 2021). This study aims to investigate the factors that influence investment decision-making for generations Z and Y, using the fintech platform as a mediator for these factors. In this context, proficiency in using financial technology becomes a vital mediator that can influence the relationship between these factors and investment decisions. Fintech platforms can effectively mitigate the impact of financial literacy, perceptions of risk and return, familial background, and income on the investment decision-making process.

This study aims to investigates the impact of financial literacy, risk and return perceptions, family background, income, and financial technology proficiency on investment decisions among Generations Z and Y in Indonesia. Based on the literature review, the hypotheses of this study are:

H1: There is an influence of financial literacy on investment decisions.

H2: There is an influence of perceptions of risk and return on investment decisions.

H3: There is an influence of family background on investment decisions.

H4: There is an influence of income on investment decisions.

H3: There is an influence of financial technology proficiency on investment decisions.

H4: Financial technology proficiency mediates the influence of financial literacy, perceptions of risk and return, family background, and income on investment decisions.

Figure 1 depicts the framework of this study.

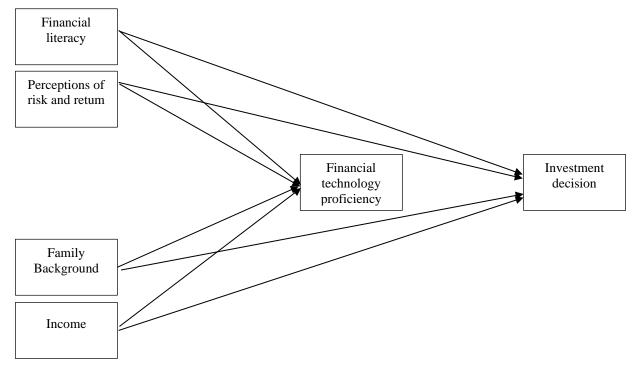


Figure 1. Research framework (show the hypotheses)

2. Methodology

This study uses a quantitative method to determine the investment behavior of Gen Z and Gen Y in Indonesia. Generations Z and Y were chosen as research objects because 55% of Gen Z and Y in Indonesia live in urban areas and are more information literate, especially about investment information and information technology. The purposive sampling technique was employed to select 240 respondents as the research object. A questionnaire survey was implemented to gather respondents' perceptions and investment decisions as primary data. By soliciting responses to inquiries and statements, the Likert scale evaluates indicators. The Structural Equation Model Partial Least Square (SEM-PLS) model was employed to conduct data analysis, as it is deemed appropriate for testing intricate relationships between variables within the context of this research (Hair et al., 2021). Statistical analysis and data processing were implemented with the assistance of WarpPLS 8.0 software. This method was selected to gain a comprehensive understanding of the factors that influence the investment behavior of Generations Z and Y and offer valuable insights for the financial industry in developing products and services that better meet the needs of this demographic group.

3. Results

This study uses SEM-PLS to analyze the relationship between variables. A critical aspect of

SEM-PLS is evaluating the outer model, which aims to ensure convergent validity. Convergent validity measures how effectively an indicator reflects the concept it is intended to measure. The factor loading test is used to assess convergent validity, focusing on the strength of the relationship between the indicator and the construct being measured, as well as the indicator's ability to describe the overall variability of the construct. The results of the factor loading test in this study showed significant values above 0.70 for all indicators, indicating a strong relationship and a good representation of construct variability.

Construct	Indicators	FL (X1)	PRR (X2)	FBG (X3)	INC (X4)	FTEP (Z)	IDC (Y)	Critical Point	Conclusion
FL(X1)	X1.1	0.884	-0.442	0.450	0.008	0.016	0.010	0.70	Valid
	X1.2	0.857	-0.236	0.206	-0.061	-0.006	0.040	0.70	Valid
	X1.3	0.849	-0.528	0.484	-0.079	0.045	0.046	0.70	Valid
	X1.4	0.877	0.343	-0.393	0.007	-0.015	0.044	0.70	Valid
	X1.5	0.905	-0.206	0.176	-0.054	-0.022	-0.023	0.70	Valid
	X1.6	0.912	0.040	-0.039	-0.042	0.010	0.014	0.70	Valid
	X1.7	0.928	0.161	-0.189	0.037	-0.117	0.074	0.70	Valid
	X1.8	0.891	0.202	-0.213	-0.042	-0.019	0.088	0.70	Valid
	X1.9	0.917	0.041	-0.003	0.020	0.040	-0.062	0.70	Valid
	X1.10	0.933	0.033	0.002	0.021	-0.001	0,000	0.70	Valid
	X1.11	0.907	-0.009	0.025	0.059	0.017	-0.038	0.70	Valid
	X1.12	0.937	0.207	-0.176	0.084	0.015	-0.099	0.70	Valid
	X1.13	0.910	0.337	-0.282	0.030	0.040	-0.084	0.70	Valid
PRR (X2)	X2.1	0.061	0.905	0.267	0.026	-0.000	-0.036	0.70	Valid
	X2.2	-0.002	0.927	0.183	0.040	-0.012	-0.001	0.70	Valid
	X2.3	0.011	0.955	0.019	-0.013	-0.015	0.017	0.70	Valid
	X2.4	0.043	0.895	-0.424	-0.029	-0.049	-0.027	0.70	Valid
	X2.5	-0.023	0.933	-0.495	0.043	-0.025	-0.002	0.70	Valid
	X2.6	0.015	0.954	-0.223	0.005	0.019	-0.048	0.70	Valid
	X2.7	0.003	0.966	-0.177	0.015	-0.002	-0.025	0.70	Valid
	X2.8	-0.018	0.942	-0.064	-0.037	-0.003	0.024	0.70	Valid
	X2.9	-0.028	0.936	-0.161	-0.003	0.036	0.004	0.70	Valid
	X2.10	-0.024	0.939	0.435	-0.039	0.047	0.036	0.70	Valid
EDG (MA)	X2.11	-0.034	0.930	0.643	-0.008	0,000	0.058	0.70	Valid
FBG (X3)	X3.1	-0.014	0.079	0.924	-0.050	0.009	0.062	0.70	Valid
	X3.2	-0.017	0.031	0.960	-0.011	0.018	0.013	0.70	Valid
	X3.3	0.021	0.073	0.949	-0.024	-0.023	0.038	0.70	Valid
	X3.4 X3.5	-0.019 -0.018	-0.087 0.016	0.949 0.962	0.016 0.004	0.006	-0.014 0.009	0.70 0.70	Valid Valid
			0.016	0.902	0.004	0.004	-0.034	0.70	Valid
	X3.6 X3.7	0.023 0.021	0.126	0.916	0.019	-0.015	-0.034	0.70	Valid
	X3.8	0.021	-0.220	0.905	-0.037	0.030	0.005	0.70	Valid
	X3.9	0.012	-0.019	0.957	0.042	-0.041	-0.021	0.70	Valid
	X3.10	0.010	0.134	0.957	0.042	0.012	-0.021	0.70	Valid
	X3.10	-0.029	-0.204	0.940	0.000	-0.012	0.009	0.70	Valid
INC (X4)	X4.1	0.008	-0.223	0.245	0.014	-0.019	-0.009	0.70	Valid
INC (244)	X4.2	-0.003	0.112	-0.107	0.932	-0.002	-0.059	0.70	Valid
	X4.3	0.010	0.001	-0.021	0.952	0.053	-0.032	0.70	Valid
	X4.4	-0.001	0.061	-0.065	0.951	0.035	0.032	0.70	Valid
	X4.5	-0.016	0.126	-0.114	0.958	0.012	-0.002	0.70	Valid
	X4.6	-0.002	0.054	-0.045	0.962	-0.021	0.031	0.70	Valid
	X4.7	0.004	-0.139	0.115	0.939	-0.034	0.048	0.70	Valid
FTEP (Z)	Z1	-0.019	0.177	-0.180	0.156	0.931	-0.112	0.70	Valid
× /	Z2	-0.012	0.311	-0.336	-0.003	0.942	0.028	0.70	Valid
	Z3	0.008	-0.060	0.090	0.076	0.946	-0.092	0.70	Valid
	Z4	0.025	-0.019	0.040	0.079	0.950	-0.104	0.70	Valid
	Z5	-0.021	0.073	-0.055	0.094	0.966	-0.074	0.70	Valid
	Z6	0.009	-0.146	0.172	0.032	0.953	-0.071	0.70	Valid
	Z7	-0.011	-0.081	0.112	-0.021	0.952	-0.016	0.70	Valid
	Z8	-0.004	-0.136	0.124	-0.070	0.961	0.065	0.70	Valid
	Z9	0.020	-0.096	0.097	-0.079	0.957	0.049	0.70	Valid
	Z10	0.016	-0.145	0.127	-0.119	0.956	0.099	0.70	Valid
	Z11	0.014	0.052	-0.090	-0.082	0.953	0.107	0.70	Valid
	Z12	-0.026	0.079	-0.109	-0.057	0.949	0.119	0.70	Valid
IDC (Y)	Y1	0.009	-0.108	0.122	-0.003	0.102	0.926	0.70	Valid
	Y2	-0.009	-0.487	0.465	-0.082	0.070	0.919	0.70	Valid
	Y3	0.014	-0.490	0.458	-0.086	0.083	0.915	0.70	Valid
	Y4	-0.022	-0.132	0.116	-0.117	0.103	0.878	0.70	Valid
	Y5	-0.015	-0.221	0.242	-0.079	0.070	0.931	0.70	Valid

Table 1. Loading factor

Y6	-0.043	0.085	-0.080	0.046	-0.043	0.915	0.70	Valid
Y7	-0.006	-0.006	0.055	0.002	-0.007	0.934	0.70	Valid
Y8	0.039	-0.005	0.062	-0.002	-0.028	0.925	0.70	Valid
Y9	-0.026	0.043	-0.033	0.037	-0.003	0.938	0.70	Valid
Y10	-0.004	-0.069	0.062	0.041	0.010	0.928	0.70	Valid
Y11	-0.002	-0.043	0.073	0.027	0.001	0.943	0.70	Valid
Y12	-0.045	0.386	-0.420	0.050	0.034	0.911	0.70	Valid
Y13	-0.029	0.099	-0.116	0.013	-0.041	0.889	0.70	Valid
Y14	0.012	0.571	-0.623	-0.035	-0.112	0.791	0.70	Valid
Y15	0.027	0.049	-0.085	-0.006	-0.141	0.814	0.70	Valid
Y16	0.072	0.095	-0.058	0.093	-0.078	0.900	0.70	Valid
Y17	-0.010	0.558	-0.573	0.029	-0.030	0.892	0.70	Valid
Y18	0.044	-0.228	0.220	0.067	-0.022	0.885	0.70	Valid

Table 1 presents the test results for all variables and indicators. The resulting outer loading value varies for each indicator for the latent variable. Indicators with an outer loading value above 0.70 are considered valid and meet the requirements for further analysis.

The AVE value demonstrates an adequate level of convergent validity, which means that one latent variable can explain more than half of the average variance of the existing indicators. The AVE value should generally be more than 0.50 to indicate good convergent validity.

Variables	AVE	Critical Point	Conclusion
FL (X1)	0.811	0.50	Good Validity
PRR (X2)	0.874	0.50	Good Validity
FBG (X3)	0.897	0.50	Good Validity
INC (X4)	0.897	0.50	Good Validity
FTEP (Z)	0.905	0.50	Good Validity
IDC (Y)	0.815	0.50	Good Validity

Table 2. Average Variance Extracted (AVE)

Analysis of Average Variance Extracted (AVE) values shows that all construct AVE values exceed 0.5. This shows a good level of convergent validity, indicating the strength of the construct in explaining variations in related indicators.

The discriminant validity test then ensures that the measured construct differs from other constructs regarding the relationship between constructs. The AVE test, on the other hand, ensures that the variance of the construct measured is greater than the variance measured by other variables.

Construct	FL(X1)	PRR(X2)	FBG(X3)	INC(X4)	FTEP(Z)	IDC(Y)
FL (X1)	0.901	0.599	0.583	0.634	0.509	0.672
PRR (X2)	0.599	0.935	0.934	0.660	0.527	0.684
FBG (X3)	0.583	0.934	0.947	0.695	0.516	0.688
INC (X4)	0.634	0.660	0.695	0.947	0.612	0.760
FTEP (Z)	0.509	0.527	0.516	0.612	0.952	0.654
IDC (Y)	0.672	0.684	0.688	0.760	0.654	0.903

Table 3. Fornell-Larcker criterion

Analysis of the Discriminant Validity Test results, presented in Table 3 using the Fornell-Larcker Criteria, confirms good discriminant validity for the constructs in the research model. An AVE value (diagonal) higher than the correlation between constructs (off the diagonal) indicates that each is unique and different from other constructs, which indicates good discriminant validity for the constructs in the model.

Next, the reliability test, which consists of Composite Reliability and Cronbach's Alpha, is used to ensure the reliability of indicators when measuring a construct. Composite Reliability is generally recommended because it provides a more accurate assessment considering the construct's loading weight and measurement error.

Variables	Cronbach's Alpha	Critical Point	Composite Reliability	Critical Point	Conclusion
FL (X1)	0.981	0.60	0.982	0.70	Reliable
PRR (X2)	0.986	0.60	0.987	0.70	Reliable
FBG (X3)	0.989	0.60	0.990	0.70	Reliable
INC (X4)	0.981	0.60	0.984	0.70	Reliable
FTEP (Z)	0.991	0.60	0.991	0.70	Reliable
IDC (Y)	0.987	0.60	0.988	0.70	Reliable

Table 4. Cronbach's alpha and construct reliability

The reliability test results for all constructs in the research model are analyzed using Cronbach's Alpha and Composite Reliability methods. The values listed indicate the level of reliability of each construct. All constructs in Table 4 have Cronbach's Alpha values above 0.60 and Composite Reliability above 0.70. This provides strong evidence of reliability for each construct and dimension when measuring the variables.

R-squared is a metric that measures how much of the variance in the dependent variable is explained by the independent variable. R-squared values range between 0 and 1, with higher values indicating a more significant explanation of the variance in the dependent variable. This study applies the R-squared value to endogenous latent variables: company performance and green value. The R-squared interpretation criteria are 0.67 for high, 0.33 for moderate, and 0.19 for low.

Table 5. R-square

Variables	R-square	Adjusted R-square	Criteria
Quality Audits	0.698	0.692	Big Effect

Table 5 shows an R-squared value of 0.698 for the Audit Quality variable, categorized as *Big Effect*. This shows that the independent variable, namely financial technology proficiency, mediates the influence of financial literacy, perceptions of risk and return, family background, and income, significantly explaining 69.8% of the variance in investment decisions.

This study uses the Partial Least Squares (PLS) method to build models and formulate hypotheses. Hypothesis testing was carried out with a significance level of 0.05. The detailed results of hypothesis testing are presented in Table 6.

Table 6. Estimated result	s
---------------------------	---

Path	β	Р
Financial Literacy \rightarrow Investment Decisions	0.194	0.001
Perceptions of Risk and Return \rightarrow Investment Decisions	0.221	< 0.001
Family Background \rightarrow Investment Decisions	-0.042	0.258
Income \rightarrow Investment Decisions	0.364	< 0.001
Financial Technology Proficiency \rightarrow Investment Decisions	0.236	< 0.001
Financial Literacy \rightarrow Financial Technology Proficiency \rightarrow Investment Decisions	0.142	0.012
Perceptions of Risk and Return \rightarrow Financial Technology Proficiency \rightarrow Investment Decisions	0.498	< 0.001
Family Background → Financial Technology Proficiency → Investment Decisions	0.359	< 0.001
Income \rightarrow Financial Technology Proficiency \rightarrow Investment Decisions	0.429	< 0.001

Based on the results of the research tests shown in Table 6, the conclusion is regarding the impact of financial technology proficiency, which mediates the influence of financial literacy, perceptions of risk and return, family background, and income on investment decisions of generations Z and Y in Indonesia. The research results show that financial literacy positively and significantly influences

investment decisions, with a path coefficient (β) of 0.194 and a p-value of 0.001. Perceptions of risk and return also have a significant favorable influence on investment decisions, with a β of 0.221 and a p-value of less than 0.001. These results indicate that individual perceptions regarding the risk and potential returns of investment significantly influence the investment decisions of generations Z and Y in Indonesia. Meanwhile, the family background does not significantly influence investment decisions, with β of -0.042 and a p-value of 0.258. These results indicate that family factors have not played an important role in investment decisions for generations Z and Y in Indonesia. This is because Generation Z and Y investment decisions in Indonesia prefer to learn about investment themselves rather than relying on family background. Income significantly influences investment decisions, with a β of 0.364 and a p-value of less than 0.001. The ability to use financial technology also significantly influences investment decisions, with a β of 0.236 and a p-value of less than 0.001. This shows that proficiency in using fintech helps individuals make better investment decisions. The results of the mediation test show the fintech's ability to mediate the influence of several factors on investment decisions. Financial literacy mediated by fintech skills significantly influences investment decisions, with a β of 0.142 and a p-value of 0.012. Likewise, risk and return perceptions mediated by fintech expertise significantly influence investment decisions, with a β of 0.498 and a p-value of less than 0.001. Apart from that, family background, mediated by fintech proficiency, also significantly influences investment decisions, with a β of 0.359 and a p-value of less than 0.001. Finally, income mediated by fintech expertise significantly influences investment decisions, with a β of 0.429 and a p-value of less than 0.001.

Hypotheses testing results should be clearly stated.

4. Discussion

This study shows that financial literacy positively and significantly influences the investment decisions of generations Z and Y. The high level of financial literacy is because this generation better understands various investment instruments, the associated risks, and their potential returns. Many financial education platforms and investment applications provide easy-to-understand information and analysis, helping young investors make better decisions. For example, applications such as Ajaib or Bareksa, popular in Indonesia, offer investment guides and analysis tools that are very useful for new users. Also, risk and return perceptions significantly influence investment decisions. This generation understands risk and potential returns well and tends to make more strategic and balanced investment portfolios, including investing in stocks, bonds, mutual funds, and even cryptocurrencies. This generation is less likely to be afraid to take higher risks if they believe in the potential for greater returns. Previous research supports this study's findings (Adil et al., 2022; Aren & Zengin, 2016; Seraj et al., 2022). It indicates that financial literacy has a significant impact on investment decisions.

Interestingly, family background does not have a significant influence on investment decisions. This is because Generation Z and Millennials are more independent in seeking information and learning about investments. They are more likely to rely on online resources and investment communities to gain knowledge and insight. For example, investment forums such as Stockbit or discussion groups on social media are often places for this generation to share information and experiences. Meanwhile, income has a significant favorable influence on investment decisions. Individuals with higher incomes have more choices in diversification, asset allocation, and the ability to assume greater risk. Today, young professionals with high salaries tend to invest in higher-risk assets such as shares or property to achieve higher returns. This study's results contradict the research, showing that family background significantly affects investment decisions (Soleha & Hartati, 2021).

The ability to use fintech also has a significant favorable influence on investment decisions. Fintech makes accessing financial information, analytical tools, and investment platforms that help individuals manage their portfolios easy. For example, using applications such as GoPay for mutual fund investments or OVO Invest for shares allows the younger generation to invest quickly and efficiently. The results of the mediation test show that fintech proficiency increases the positive effects of financial literacy, risk and return perceptions, family background, and income on investment decisions. Financial literacy mediated by fintech skills significantly influences investment decisions, indicating that mastery of technology is essential in optimizing financial literacy. Likewise, risk and return perceptions mediated by fintech proficiency suggest that technology can help individuals make better investment decisions by providing quick and easy access to relevant information.

This study strengthens the findings in existing literature regarding factors that influence investment decisions. Financial literacy, an individual's ability to understand and use financial information effectively, has positively influenced investment decisions. Previous studies also show that individuals with a high level of financial literacy tend to make smarter and better investment decisions (Rahim Khan et al., 2020; Aren & Aydemir, 2015; Sugiarto et al., 2024; Arianti, 2017; Dewi et al., 2020; Zhao & Zhang, 2021; Iram et al., 2023; Maheshwari et al., 2024). For example, studies by Chaulagain (2017), Morgan and Long (2020), Ashfaq et al. (2024), and Maheshwari et al. (2024) show that good financial literacy is related to an individual's ability to manage investment risks and understand expected returns.

The results of this study are also consistent with the finding that risk and return perceptions play an important role in investment decisions. Individuals with a low-risk perception tend to be more willing to take more significant risks for higher returns. In contrast, those with high-risk perceptions tend to choose more conservative investments. Huber and Huber (2019), Almansour et al. (2023), Ren (2022), Hoffmann and Post (2017), Mardikaningsih and Darmawan (2023), Nguyen et al. (2016), and Prasad et al. (2021) found that psychological and social factors, such as experience and education strongly influence individuals' perceptions of risk and return. Risk and return perceptions play an important role in influencing investment decisions. Research has shown that individuals' risk assessments, influenced by psychological characteristics and states, significantly impact their investment choices (Nareswari et al., 2022). Risk perception is subjective and involves evaluating the level of risk and uncertainty associated with an investment decision(Fahim et al., 2019). Additionally, risk perception has been identified as a mediator between behavioral biases and investment decisions, indicating its essential role in shaping individual judgments. Studies have highlighted that risk perception is a crucial factor influencing investment behavior, with empirical evidence showing that risk tolerance, risk perception, and financial literacy are significant determinants of investment decisions and people's financial well-being. Additionally, risk perception has significantly affected investment decisions among Generation Z individuals. Additionally, risk perception has been shown to mediate the relationship between behavioral bias and investor judgment, emphasizing its role in moderating the impact of bias on decision-making (Ahmed et al., 2022).

Regarding family background, this study shows that this factor does not significantly influence the investment decisions of Gen Z and Gen Y in Indonesia. This differs from previous studies, which found that family background plays a vital role in shaping a person's financial attitudes and behavior. For example, research (Koropp et al., 2014; Anderson et al., 2012; Li & Qiu, 2018) shows that parental education and family investment experience can influence risk perception and investment decisions. However, this study shows that generations Z and Y in Indonesia rely more on online information sources and investment communities rather than family influence. Family background has been shown to influence investment decisions in family firms significantly. Research shows that family characteristics, such as family ownership, play an essential role in shaping investment strategies, especially in family firms (Wang et al., 2023). Family involvement in management has been shown to affect innovation investment and product innovation within a company. Additionally, decision-making processes in family-controlled firms are influenced by the desire to protect socioemotional wealth, leading to a willingness to accept risks to performance while avoiding decisions that could exacerbate those risks. Family control and influence, including family members in critical positions such as CEO and board chairs, have positively influenced corporate investments in research and development (R&D). Furthermore, the continuation of the management team in a family firm post-inheritance can influence investment decisions, with successors able to make better decisions when equipped with relevant information(Wu et al., 2021).

Income is also proven to significantly influence investment decisions, which aligns with findings in the literature. Individuals with higher incomes have more investment options and can assume more significant risks. Studies by Mouna and Anis (2017) and Sugiarto et al. (2024) support these findings, suggesting that higher incomes allow for broader investment diversification and greater risk-taking to achieve higher returns. Income is an essential factor influencing investment decisions. Research has shown that personal income substantially positively impacts investment decisions (Yusnita et al., 2022). Higher income levels are associated with more profitable investment options due to increased financial resources available for investment purposes. Additionally, revenue diversification has positively influenced financial performance, suggesting that a diversified revenue portfolio can produce better results for commercial banks (Luu et al., 2020). Additionally, there is a positive correlation between investment decisions and an individual's monthly income level (Nasage, 2019). Furthermore, demographic factors such as income directly shape behavioral biases, impacting investment decisions (Kasilingam, 2008). Age, gender, education, occupation, profession, financial dependents, and income influence an individual's investment behavior. A study highlights that gender and income differences significantly impact rational decision-making processes, suggesting that income levels influence individuals' investment choices (Kumar et al., 2018).

The ability to use fintech was also found to significantly influence investment decisions, supporting previous research that shows that financial technology facilitates access to information, analytical tools, and investment platforms. Paramita and Palesta (2024), Tomia and Tuharea (2024), Buchak et al. (2018), and Abu Dagar et al. (2020) show that fintech can reduce transaction costs and increase market efficiency, which ultimately helps individuals make better investment decisions. The results of the mediation test in this study also show that fintech skills can mediate the influence of financial literacy, perceptions of risk and return, family background, and income on investment decisions. A study by Jonathan and Sumani (2021) shows that financial technology can help improve financial literacy by providing access to better information and learning tools. Likewise, Almansour et al. (2023) show that perceptions of risk and return can be mediated by the ability to access and analyze financial information via fintech platforms. Thus, this study emphasizes the importance of proficiency in financial technology to optimize investment decisions for generations Z and Y in Indonesia. By mastering fintech, the younger generation can use financial literacy, understand risks and returns, and manage their income more effectively to achieve their desired investment goals. These findings provide valuable insights for financial service providers and educators to design programs and tools that better meet the needs and preferences of this demographic group.

This research finding implies that programs to increase financial literacy and financial technology proficiency must be a top priority for policymakers, financial service providers, and educators in Indonesia. Comprehensive, technology-based financial education can help generations Z and Y make better investment decisions. Online resources and investment communities must be integrated into educational strategies because this generation is more likely to learn from digital platforms. In addition, fintech service providers must continue to develop features and tools that can improve users' understanding of investment and skills. Proficiency in using fintech has been proven to strengthen the positive effects of financial literacy, risk perception, and income on investment decisions. Hence, innovation in fintech needs to be encouraged to support young investors.

Conclusion

This study investigates the impact of financial literacy, risk and return perceptions, family background, income, and financial technology proficiency on investment decisions among Generations

Z and Y in Indonesia. The study reveals that financial literacy, perception of risk and return, income, and fintech skills influence the investment decisions of generations Z and Y in Indonesia. Interestingly, family background does not have a significant influence on investment decisions. Generations Z and Y rely on online resources and investment communities to gain knowledge and insight. Meanwhile, fintech proficiency increases the positive effects of financial literacy, risk and return perceptions, family background, and income on generation Z and Y investment decisions in Indonesia.

These research recommendations provide essential insights that can be applied by policymakers, financial service providers, and educators. The government can develop financial education programs in schools and universities that are integrated with modern financial technology. Financial service providers such as banks and fintech companies can create applications and platforms that are more user-friendly and offer interactive financial education features. In addition, educators can use digital tools and resources to teach students about financial management and investments, leveraging social media and educational videos to reach a more youthful audience.

This study also opens up opportunities for further exploration of other factors that influence the investment decisions of generations Z and Y. For example, further studies could examine the impact of financial influencers on social media on investment decisions or how loyalty programs and incentives from fintech platforms can motivate better investment behavior. Thus, these findings provide practical guidance and spur innovation to support the younger generation in making wiser and more informed investment decisions.

Author contributions

Conceptualization: Debbi Chyntia Ovami.

Data curation: Henny Zurika Lubis, Esa Setiana, Ita Mustika, Sari Wulandari.

Formal analysis: Debbi Chyntia Ovami, Henny Zurika Lubis, Esa Setiana, Ita Mustika.

Investigation: Debbi Chyntia Ovami, Henny Zurika Lubis, Esa Setiana, Ita Mustika, Sari Wulandari. Methodology: Debbi Chyntia Ovami, Henny Zurika Lubis, Esa Setiana, Ita Mustika, Sari Wulandari. Project administration: Debbi Chyntia Ovami, Henny Zurika Lubis, Esa Setiana, Ita Mustika, Sari Wulandari.

Supervision: Debbi Chyntia Ovami, Henny Zurika Lubis, Esa Setiana, Ita Mustika, Sari Wulandari. Validation: Debbi Chyntia Ovami, Henny Zurika Lubis, Esa Setiana, Ita Mustika, Sari Wulandari. Software: Debbi Chyntia Ovami, Henny Zurika Lubis, Esa Setiana.

Resources: Debbi Chyntia Ovami, Henny Zurika Lubis, Esa Setiana, Ita Mustika, Sari Wulandari.

Visualization: Debbi Chyntia Ovami, Henny Zurika Lubis, Esa Setiana, Ita Mustika, Sari Wulandari.

Writing - original draft: Debbi Chyntia Ovami, Henny Zurika Lubis, Esa Setiana, Ita Mustika, Sari Wulandari.

Writing - review & editing: Debbi Chyntia Ovami, Henny Zurika Lubis, Esa Setiana, Ita Mustika, Sari Wulandari.

References

1. Abu Daqar, M. A. M., Arqawi, S., & Karsh, S. A. (2020). Fintech in the eyes of Millennials and Generation Z (the financial behavior and Fintech perception). *Banks and Bank Systems*, *15*(3), 20-28. <u>https://doi.org/10.21511/bbs.15(3).2020.03</u>

 Adil, M., Singh, Y., & Ansari, M. S. (2022). How financial literacy moderate the association between behaviour biases and investment decision? *Asian Journal of Accounting Research*, 7(1), 17-30. <u>https://doi.org/10.1108/AJAR-09-2020-0086</u>

3. Ahmed, Z., Rasool, S., Saleem, Q., Khan, M. A., & Kanwal, S. (2022). Mediating Role of Risk Perception Between Behavioral Biases and Investor's Investment Decisions. *SAGE Open*, *12*(2), 215824402210973–215824402210973. <u>https://doi.org/10.1177/21582440221097394</u>

4. Alaaraj, H., & Bakri, A. (2020). The Effect of Financial Literacy on Investment Decision Making in Southern Lebanon. *International Business and Accounting Research Journal*, 4(1), 37. <u>http://dx.doi.org/10.15294/ibarj.v4i1.118</u>

5. Almansour, B. Y., Elkrghli, S., & Almansour, A. Y. (2023). Behavioral finance factors and investment decisions: A mediating role of risk perception. *Cogent Economics & Finance, 11*(2). https://doi.org/10.1080/23322039.2023.2239032

6. Ameliawati, M., & Setiyani, R. (2018). The Influence of Financial Attitude, Financial Socialization, and Financial Experience to Financial Management Behavior with Financial Literacy as the Mediation Variable. *KnE Social Sciences*, *3*(10), 811. <u>http://dx.doi.org/10.18502/kss.v3i10.3174</u>

7. Anderson, R. C., Duru, A., & Reeb, D. M. (2012). Investment policy in family controlled firms. *Journal of Banking and Finance*, *36*(6), 1744-1758. <u>https://doi.org/10.1016/j.jbankfin.2012.01.018</u>

8. Aren, S., & Aydemir, S. D. (2015). The Factors Influencing Given Investment Choices of Individuals. *Procedia* – *Social and Behavioral Sciences*, *210*, 126-135. https://doi.org/10.1016/j.sbspro.2015.11.351

9. Aren, S., & Zengin, A. N. (2016). Influence of Financial Literacy and Risk Perception on Choice of Investment. *Procedia - Social and Behavioral Sciences, 235*(October), 656-663. https://doi.org/10.1016/j.sbspro.2016.11.047

10. Arianti, B. F. (2017). The Influence of Financial Literacy, Financial Behavior and Income on Investment Decision. *European Research Studies Journal*, 20(3A), 635-648. http://dx.doi.org/10.32493/eaj.v1i1.y2018.p1-10

11. Ashfaq, M., Shafique, A., & Selezneva, V. (2024). Exploring the missing link:Financial literacy and Cognitive biases in Investment Decisions. *Journal of Modelling in Management, 19*(3), 871-898. https://doi.org/10.1108/JM2-11-2022-0266

12. Bai, R. (2023). Impact of financial literacy, mental budgeting and self control on financial wellbeing: Mediating impact of investment decision making. *PLOS ONE*, *18*(11), e0294466-e0294466. <u>https://doi.org/10.1371/journal.pone.0294466</u> 13. Barnea, A., Cronqvist, H., & Siegel, S. (2010). Nature or nurture: What determines investor behavior? *Journal of Financial Economics*, 98(3), 583-604. https://doi.org/10.1016/j.jfineco.2010.08.001

14. Barroso, M., & Laborda, J. (2022). Digital transformation and the emergence of the Fintech sector: Systematic literature review. *Digital Business*, 2(2), 100028. https://doi.org/10.1016/j.digbus.2022.100028

15. Buchak, G., Matvos, G., Piskorski, T., & Seru, A. (2018). Fintech, regulatory arbitrage, and the rise of shadow banks. *Journal of Financial Economics*, *130*(3), 453-483. https://doi.org/10.1016/j.jfineco.2018.03.011

Charles, A., & Kasilingam, R. (2008). *Does the Investor's Age Influence Their Investment Behaviour? Paradigm*, *17*(1-2), 11-24. Retrieved from https://www.researchgate.net/publication/291111665_Does_the_Investor's_age_Influence_Their_Investment_Behaviour

17. Chaulagain, R. P. (2017). Relationship between Financial Literacy and Behavior of Small Borrowers. *NRB Economic Review*, 29(1), 33-53. <u>https://doi.org/10.3126/nrber.v29i1.52529</u>

18. Dewi, V. I., Febrian, E., Effendi, N., Anwar, M., & Nidar, S. R. (2020). Financial literacy and its variables: The evidence from Indonesia. *Economics and Sociology*, *13*(3), 133-154. https://doi.org/10.14254/2071-789X.2020/13-3/9

19. Diacon, S., & Hasseldine, J. (2007). Framing effects and risk perception: The effect of prior performance presentation format on investment fund choice. *Journal of Economic Psychology*, 28(1), 31-52. <u>https://doi.org/10.1016/j.joep.2006.01.003</u>

20. Fahim, F., Ali, A., Khan, M. A., & Khan, R. A. (2019). Impact of Overconfidence on Investor's Investment Decision: Moderating Role of Risk Perception and Religiosity-A Survey of Pakistan Stock Exchange. *JISR Management and Social Sciences & Economics*, *17*(2), 85-96. https://doi.org/10.31384/jisrmsse/2019.17.2.6

21. Gunawan, A., Jufrizen, J., & Pulungan, D. R. (2023). Improving MSME performance through financial literacy, financial technology, and financial inclusion. *International Journal of Applied Economics, Finance and Accounting*, *15*(1), 39-52. <u>https://doi.org/10.33094/ijaefa.v15i1.761</u>

22. Hair, J. F., Hult, G. T. M., Ringle, C. M., Sarstedt, M., Danks, N. P., & Ray, S. (2021). *An Introduction to Structural Equation Modeling*. <u>https://doi.org/10.1007/978-3-030-80519-7_1</u>

23. Hamilton, J. G., & Lobel, M. (2015). Psychosocial Factors Associated With Risk Perceptions for Chronic Diseases in Younger and Middle-Aged Women. *Women & Health*, *55*(8), 921-942. https://doi.org/10.1080/03630242.2015.1061094

24. Hoffmann, A. O. I., & Post, T. (2017). How return and risk experiences shape investor beliefs and preferences. *Accounting & Finance*, *57*(3), 759-788. <u>https://doi.org/10.1111/acfi.12169</u>

25. Huber, C., & Huber, J. (2019). Scale matters: risk perception, return expectations, and

investment propensity under different scalings. *Experimental Economics*, 22(1), 76-100. https://doi.org/10.1007/s10683-018-09598-4

26. Iram, T., Bilal, A. R., & Ahmad, Z. (2023). Investigating The Mediating Role of Financial Literacy on The Relationship Between Women Entrepreneurs' Behavioral Biases and Investment Decision Making. *Gadjah Mada International Journal of Business*, 25(1), 93-118. https://doi.org/10.22146/gamaijb.65457

27. Jonathan, R., & Sumani, S. (2021). Millennial Investment Decision Analysis. *Business and Entrepreneurial Review*, 21(2), 279-296. <u>https://doi.org/10.25105/ber.v21i2.10409</u>

 28. Khan, S. N. (2016). Impact of Financial Literacy, Financial Knowledge, Moderating Role of Risk Perception on Investment Decision. SSRN Electronic Journal. https://doi.org/10.2139/ssrn.2727890

29. Koropp, C., Kellermanns, F. W., Grichnik, D., & Stanley, L. (2014). Financial Decision Making in Family Firms: An Adaptation of the Theory of Planned Behavior. *Family Business Review*, *27*(4), 307-327. <u>https://doi.org/10.1177/0894486514522483</u>

30. Krawiec, A., & Szydłowski, M. (2017). Economic growth cycles are driven by investment delay. *Economic Modelling*, 67, 175-183. <u>https://doi.org/10.1016/j.econmod.2016.11.014</u>

31. Kumar, R. R., Israel, D., & Malik, G. (2018). Explaining customer's continuance intention to use mobile banking apps with an integrative perspective of ECT and Self-determination theory. *Pacific Asia Journal of the Association for Information Systems, October 2021,* 79-112. https://doi.org/10.17705/1pais.10204

32. Li, Z., & Qiu, Z. (2018). How does family background affect children's educational achievement? Evidence from Contemporary China. *Journal of Chinese Sociology*, 5(1). https://doi.org/10.1186/s40711-018-0083-8

33. Lusardi, A. (2019). Financial literacy and the need for financial education: evidence and implications. *Swiss Journal of Economics and Statistics*, *155*(1), 1-8. <u>https://doi.org/10.1186/s41937-019-0027-5</u>

34. Lusardi, A., & Messy, F.-A. (2023). The importance of financial literacy and its impact on financial well-being. *Journal of Financial Literacy and Well-being*, *1*(1), 1-11. <u>https://doi.org/10.1017/flw.2023.8</u>

35. Luu, H. N., Nguyen, L. Q. T., Vu, Q. H., & Tuan, L. Q. (2020). Income diversification and financial performance of commercial banks in Vietnam. *Review of Behavioral Finance*, *12*(3), 185-199. <u>https://doi.org/10.1108/RBF-05-2019-0066</u>

36. Maheshwari, H., Samantaray, A. K., Panigrahi, R. R., & Jena, L. K. (2024). Financial literacy in predicting investment decisions: Do attitude and overconfidence influence? *International Journal of Social Economics, ahead-of-p*(ahead-of-print). <u>https://doi.org/10.1108/IJSE-05-2023-0370</u>

37. Mardikaningsih, & Darmawan, R. D. (2023). Analysis of Financial Literacy and Risk Tolerance

on Student Decisions to Invest. *International Journal of Service Science*, *3*(2), 7-12. Retrieved from https://ejournalisse.com/index.php/isse/article/view/47

38. Morgan, P. J., & Long, T. Q. (2020). Financial literacy, financial inclusion, and savings behavior in Laos. *Journal of Asian Economics*, 68, 101197. <u>https://doi.org/10.1016/j.asieco.2020.101197</u>

39. Mouna, A., & Anis, J. (2017). Financial literacy in Tunisia: Its determinants and its implications on investment behavior. *Research in International Business and Finance*, *39*, 568-577. https://doi.org/10.1016/j.ribaf.2016.09.018

40. Murphy, R. O., Andraszewicz, S., & Knaus, S. D. (2016). Real options in the laboratory: An experimental study of sequential investment decisions. *Journal of Behavioral and Experimental Finance*, *12*, 23-39. <u>https://doi.org/10.1016/j.jbef.2016.08.002</u>

41. N. Berger, A., & F. Udell, G. (1998). The economics of small business finance: The roles of private equity and debt markets in the financial growth cycle. *Journal of Banking and Finance, 22*(6-8), 613-673. <u>https://doi.org/10.1016/S0378-4266(98)00038-7</u>

42. Nareswari, N., Bramanti, G. W., & Kunaifi, A. (2022). The Effect of Behavioral Biases on Risk Perception. *Proceedings of the 3rd International Conference on Business and Management of Technology (ICONBMT 2021), 202*(Iconbmt), 95-99. <u>https://doi.org/10.2991/aebmr.k.211226.013</u>

43. Nasage, N. N. (2019). Influence of Demographic Factors on Individual's Investment Decisions in WA Municipality, the Upper West Region of Ghana. *Texila International Journal of Management*, 5(2), 197-211. <u>https://doi.org/10.21522/tijmg.2015.05.02.art020</u>

44. Nelaturu, K., Du, H., & Le, D. P. (2022). A Review of Blockchain in Fintech: Taxonomy, Challenges, and Future Directions. *Cryptography*, 6(2). <u>https://doi.org/10.3390/cryptography6020018</u>

45. Nguyen, L. T. M., Gallery, G., & Newton, C. (2016). The influence of financial risk tolerance on investment decision-making in a financial advice context1. *Australasian Accounting, Business and Finance Journal, 10*(3), 3-22. <u>https://doi.org/10.14453/aabfj.v10i3.2</u>

46. Paramita, V. S., & Palesta, P. K. P. (2024). The Influence of Financial Technology, Financial Literacy, and Risk Perception on Mutual Fund Investment Decisions in Generation Z in Jawa Barat. *International Journal of Science, Technology & Management, 5*(1), 135-145. https://doi.org/10.46729/ijstm.v5i1.1038

47. Prasad, S., Kiran, R., & Sharma, R. K. (2021). Influence of financial literacy on retail investors' decisions in relation to return, risk and market analysis. *International Journal of Finance and Economics*, 26(2), 2548-2559. <u>https://doi.org/10.1002/ijfe.1920</u>

48. Rahim Khan, M. S., Rabbani, N., & Kadoya, Y. (2020). Is financial literacy associated with investment in financial markets in the United States? *Sustainability (Switzerland), 12*(18), 1-14. <u>https://doi.org/10.3390/SU12187370</u>

49. Ren, S. (2022). Optimization of Enterprise Financial Management and Decision-Making Systems Based on Big Data. *Journal of Mathematics*, 2022. <u>https://doi.org/10.1155/2022/1708506</u>

50. Rizaldy Insan Baihaqqy, M., Sari, M., & Ikhsan, S. (2020). The Effect of Financial Literacy on the Investment Decision. *Budapest International Research and Critics Institute-Journal (BIRCI-Journal)*, *3*(4), 3073-3083. Retrieved from ???

51. Seraj, A. H. A., Alzain, E., & Alshebami, A. S. (2022). The roles of financial literacy and overconfidence in investment decisions in Saudi Arabia. *Frontiers in Psychology*, *13*(September), 1-12. https://doi.org/10.3389/fpsyg.2022.1005075

52. Singh, R., & Bhattacharjee, J. (2019). Measuring Equity Share Related Risk Perception of Investors in Economically Backward Regions. *Risks*, 7(1), 12. <u>https://doi.org/10.3390/risks7010012</u>

53. Soleha, E., & Hartati, N. (2021). Analisis Perilaku Keuangan Mahasiswa Universitas Pelita Bangsa dalam Keputusan Investasi [Analysis of Financial Behavior of Pelita Bangsa University Students in Investment Decisions]. *EKOMABIS: Jurnal Ekonomi Manajemen Bisnis*, 2(01), 59-70. (In Indonesian). https://doi.org/10.37366/ekomabis.v2i01.124

54. Sugiarto, S., Surahman, D., & Sya'ban, M. (2024). Investment Decision Factors. SUSTAINABLE : Jurnal Akuntansi, 3(2), 301-312. <u>https://doi.org/10.30651/stb.v3i2.20953</u>

55. Tomia, A., & Tuharea, R. (2024). Description of Head Lice (Pediculus capitis) Infection of Primary School Age Children in Elementary School Negeri 40, Salero District, Central Ternate District, Ternate City, 2022. *International Journal of Science, Technology & Management, 5*(1), 1-7. https://doi.org/10.46729/ijstm.v5i1.1043

56. Wahyuni, S. F., Radiman, R., Hafiz, M. S., & Jufrizen, J. (2023). Financial literacy and financial attitude on financial management behavior: An examination of the mediating role of the behavioral intention of students at private universities in Indonesia. *Investment Management and Financial Innovations*, 20(3), 239-250. <u>https://doi.org/10.21511/imfi.20(3).2023.20</u>

57. Wang, Q., Wang, Y., Li, X., & Tang, L. (2023). The Sustainability of Family Ownership on the Choice of Foreign Market Entry Mode: Empirical Evidence from Listed Family Firms in China. *Sustainability (Switzerland), 15*(13). <u>https://doi.org/10.3390/su151310674</u>

58. Weixiang, S., Qamruzzaman, M., Rui, W., & Kler, R. (2022). An empirical assessment of financial literacy and behavioral biases on investment decision: Fresh evidence from small investor perception. *Frontiers in Psychology*, *13*(September), 1-18. <u>https://doi.org/10.3389/fpsyg.2022.977444</u>

59. Wen, Y. F. (2010). Capital investment decision, corporate governance, and prospect theory. *Procedia – Social and Behavioral Sciences*, *5*, 116-126. <u>https://doi.org/10.1016/j.sbspro.2010.07.060</u>

60. Wu, J., Wang, F., & Xu, X. (2021). The influence of management team continuation on inefficient investment after family firms inheritance. *Managerial and Decision Economics*, *42*(1), 156-169. https://doi.org/10.1002/mde.3220

61. Yusnita, R. T., Waspada, I., & Sari, M. (2022). Investment Decision Judging from Personal Income, Financial Literacy and Demographic Factors. *Proceedings of the 6th Global Conference on Business, Management, and Entrepreneurship (GCBME 2021), 657*(Gcbme 2021), 67-71.

https://doi.org/10.2991/aebmr.k.220701.016

62. Zhao, H., & Zhang, L. (2021). Financial literacy or investment experience: which is more influential in cryptocurrency investment? *International Journal of Bank Marketing*, *39*(7), 1208-1226. https://doi.org/10.1108/IJBM-11-2020-0552