

## THE ROLE OF AN EXPERT RECOMMENDATION IN GROUP DISCUSSION TO MINIMIZE RECENCY BIAS: AN EXPERIMENTAL STUDY IN INVESTING DECISION\*

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**Abstract:** *This study investigates the impact of an expert recommendation in group discussion to recency bias in investing decision. Recency bias decreases decision quality. Investors tend to weigh last information than previous ones in investing decision. An important feature of this experimental study is the use of an expert recommendation as an investors' advisor in a group discussion. This study provides expert-recommendation information in group discussion. That recommendation is expected to influence individual decision of participants in a group discussion. The results give evidence that expert recommendation is useful in group discussion to minimize recency bias. Those findings contribute to recency bias studies in accounting and finance area.*

**Keywords:** *An expert recommendation, recency bias, group discussion, disclosure*

### INTRODUCTION

There are several studies related to recency bias in accounting and finance area. There are Alvia and Sulistiawan (2010), Ashton and Ashton (1988), Libby and Tan (1999), Pinsker (2007 and 2011), Tuttle et al. (1997), and Sulistiawan (2015). Those studies show that sequential information generates recency bias. Participants (and investors) suffer this bias. Same information that is presented in different order produces different decision.

To minimize recency bias, there are several studies are conducted. Alvia and Sulistiawan (2010) use training as a mitigation strategy to overcome recency bias. Ashton and Kennedy (2002) use self-review to reduce the impact of recency effect. This study also tries to minimize recency bias. Using an expert recommendation in group discussion, this study develops Sulistiawan and (2015) that only use group discussion.

In their study, Sulistiawan(2015) give evidence that individual decision using group discussion stimulates recency bias, because participants receive more

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information. In group discussion, sequential positive (negative) disclosures produce overvaluation (undervaluation) because good (bad) news circulates in that discussion. That is why group discussion stimulates recency bias.

Previous studies use only individual decision in group discussion. Furthermore, this study uses individual decision in group discussion using an expert recommendation. Some people take an individual decision without having the discussion before, but others do. Investor communities reveal that individual investors need to discuss before investing.

This study uncovers that individual decision before group discussion produces more recency bias than individual decision after group discussion using an expert recommendation. In group that receive good news followed by bad news (+++-- -), recency bias is minimized but statistically not significant. This result presents indicate that when investors weigh negative information, the role of an expert recommendation is not powerful. Otherwise, in another group receive bad news followed by good news (---+++), recency bias can be minimized and statistically significant. This evidence gives evidence that positive information is considered by the participants. Investors give attention to an expert recommendation when they use positive information.

This study contributes to recency bias studies, especially in mitigating recency bias. This study is also important for accounting and finance studies related to stock market. An expert recommendation is one of important role in helping the retail investors.

The article is organized in several sections. The second section describes hypotheses development. The third section discusses experimental design. The fourth section presents the findings. The final section concludes.

## **HYPOTHESIS DEVELOPMENT**

Recency bias studies show that sequential information produce overvaluation (undervaluation). Good news followed by bad news stimulates investors to use the last information than previous information; that is bad news. It means that investors will perceive lower stock levels than it should be. Conversely, when a group of investors receives bad news followed by good news, they tend to perceive *higher stock level* than it should be. We call it as overreaction.

There are several studies in recency bias in accounting, namely, Alvia and Sulistiawan (2010), Ashton and Ashton (1988), Libby and Tan (1999), Pinsker (2007 and 2011), Tuttle et al. (1997), and Sulistiawan (2015). As well as, recency bias in the context of legal evidence also discussed by Furnham (1986). In brief, those findings reveal that recency bias potentially decrease decision quality.

It is important to note that investors are affected by order effect that is called recency bias. Hence, this bias needs to be minimized or mitigated. Trotman and Wright (1996) indicate that recency effect due to familiarity problem. Their study shows that both senior auditors and accounting students were affected by recency bias but not for the managers. It points out that people habit (or experience) could mitigate recency effect. Supporting this idea, Sulistiawan and Alvia (2010) who examine recency effects on investment decisions using fundamental information and technical analysis information provide evidences that trainingmiti gates recency bias. Based on ideas of Trotman and Wright (1996) and Sulistiawan and Alvia (2010), this study is conducted using group discussion process.

Subsequently, Sulistiawan (2015)give evidence that individual decision using group discussion stimulate recency bias, because participants receive more information. In group discussion, the sequential positive (negative) disclosures produce overvaluation (undervaluation) as good (bad) news circulates in that discussion. That is why a group discussion potentially stimulates recency bias. In addition, group discussions make participants sharing information one another (Chalos and Poon, 2000). Sharing beneficial information can work when every participant in group discussion has enough experience and knowledge to be shared. Thus, Sulistiawan (2015) find that group discussion stimulated more bias. This research develops that idea by providing an expert recommendation in group discussion.

Based on Bienberg (2011), this study classifies strategic studies in individual decisions. Indeed, the actors (participants) explicitly consider the behavior of other actors. That is why this study is important. In stock market, investors also discuss and respond the other investor behavior. Considering the others behavior (decision) means that the use of group discussion is very contextual.

Stock investors receive information from many sources, for examples newspaper, television, investment communities, broker recommendation, and other sources. They may also join in an investor clubor group discussion to share and discuss the news. Moreover, investor clubs with an expert recommendation are considered giving the investor with the beneficial information.

**H1: Group discussion using an expert recommendation mitigates overvaluation when participants receive bad news followed by good news.**

This study also examines reverse order of information. By presenting good news followed by bad news, investors will generate lower reaction because bad news is weighted more than good news. This phenomenon causes undervaluation of stock. Investors tend to use bad news rather than good news. To overcome this problem, group discussion using an expert recommendation is expected to mitigate undervaluation.

**H2: Group discussion using an expert recommendation mitigates undervaluation when participants receive good news followed by bad news.**

**EXPERIMENTAL DESIGN**

**Participants**

We use final year's accounting undergraduate students as participants in our experiment, just as conducted by Pinsker (2007, 2011) and Sulistiawan (2015). Those studies are selected because having no experience of "stock investing". Surely, Pinsker (2011) and Libby and Tan (1999) also show that students and professional in stock market also experience recency bias when they both have to take a decision based on the sequential information. Following Pinsker (2011), this paper assumes that students as participants are evidence-prone. They tend to be highly sensitive to new evidence. On account of contrary evidence invoke a strong contrast effect that leads larger belief revision.

**Procedure**

This study uses six-sequential information from Pinsker (2007). This study uses the same disclosures because those disclosures have already tested and have strong effect to stimulate recency bias. To evaluate the usefulness of an expert recommendation in group discussion, this study needs to present recency bias. Comparing the decision before and after receiving an expert recommendation in group discussion can be used to determine the impact of the recommendation to recency bias.

This experimental study divides participants into two groups, the first group receives sequential information that start from good news followed by bad news (GNBN/+++---). The second group also receives the same sequential information but in different order. The information order is bad news followed by good news (BNGN/---+++).

All participants receive same information that is given in sequentially different order. The table 1 illustrates the information given to each group. Before receiving disclosures, participants make an initial assessment. In that procedure, participants determine initial fair value. This study also provides initial fair value; the recommended fair value is fifty. All participants are student of accounting theory. They are distributed randomly in each group. Table 1 present the disclosure items that used in this experiment. These disclosures are adapted from Pinsker (2007).

**Table 1**  
**The disclosures**

	<i>Group 1: Good news followed by bad news (+++--)</i>	<i>Group 2: Bad news followed by good news (---++)</i>
The first information The first price revision	Company's stock price has been higher recently, because many analysts believe the company	Company's profits are falling due to the company's inability to reduce inventory obsolescence and storage costs.
The second information The second price revision	Company announced today that its second largest market, Europe, has shown a sharp increase in demand for its products.	Due to Company's recent \$1 billion fine for illegally dumping toxic waste, recent sales to environmentally-friendly consumers are significantly increasing revenues.
The third information The third price revision	As a result of adopting a new management style, the company has incurred higher levels of production efficiency and now manufactures its products significantly faster.	"This will be a quarter of record low revenue and earnings," said Company's CEO.
The fourth information The fourth price revision	Company's profits are falling due to the company's inability to reduce inventory obsolescence and storage costs.	Company's stock price has been higher recently, because many analysts believe the company
The fifth information The fifth price revision	Due to Company's recent \$1 billion fine for illegally dumping toxic waste, recent sales to environmentally-friendly consumers are significantly increasing revenues.	Company announced today that its second largest market, Europe, has shown a sharp increase in demand for its products.

The sixth information	“This will be a quarter of record low revenue and earnings,” said Company’s CEO.	As a result of adopting a new management style, the company has incurred higher levels of production efficiency and now manufactures its products significantly faster.
The sixth price revision		

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The procedure of this experiment is similar to Sulistiawan (2015), but adding expert recommendation in group discussion feature. The use of that recommendation is expected to minimize recency bias. This study expects that an expert recommendation in group discussion could improve the quality of decision.

### **Hypothesis Testing**

The hypothesis is examined by comparing decision between individual decision before group discussion and individual decision after group discussion using an expert recommendation. In this experiment, the decision is divided by two proxies; there are stock valuation, and price revision. Stock valuation represents participant judgment about the fair value of a stock. Price revision is also used to show participants belief revision. Statistically, this study uses paired-sample t test. The test is within-subject test. It compares decision before and after group discussion using an expert recommendation.

The duration of experiment is one-hour. In this experiment, we use two experimenters. The experimenters are trained by one of the researcher. After finishing their task, experimenters distribute a box of snack as their compensation. Researchers also give credit point for the participants as incentive for this voluntary participation.

## **RESULTS AND ANALYSIS**

### **Preliminary Analysis**

Using a manipulation check of positive-negative disclosures, this study captures participants’ responses. Based on 6 of 20 disclosures presented by Pinsker (2007), our manipulation check shows that good (bad) news generates positive (negative) reaction. Mean responses are different from zero based on one-sample t-test. Table 2 highlights the mean and standard deviation responses of each disclosure.

**Table 2**  
**Mean and Standard Deviation Responses of Each Disclosure**

<i>Disclosures</i>	<i>N</i>	<i>Mean</i>	<i>Std. Deviation</i>
GN1# Company's stock price has been higher recently, because many analysts believe the company offers excellent earnings growth potential.	67	3.69***	2.89
GN2 Company announced today that its second largest market, Europe, has shown a sharp increase in demand for its products.	67	5.31***	2.66
GN3 As a result of adopting a new management style, the company has incurred higher levels of production efficiency and now manufactures its products significantly faster.	67	4.37***	2.77
BN1# Company's profits are falling due to the company's inability to reduce inventory obsolescence and storage costs.	67	-3.35***	3.42
BN2 Due to Company's recent \$1 billion fine for illegally dumping toxic waste, recent sales to environmentally-friendly consumers are significantly increasing revenues.	67	-4.35***	3.42
BN3 "This will be a quarter of record low revenue and earnings," said Company's CEO.	67	-3.59***	4.03

#GN (BN) is good (bad) news. \*\*\* is significant at one percent, respectively.

### **Does Expert Recommendation Minimize Recency Bias?**

Sulistiawan (2015) clarify that group discussion stimulated recency bias. It could also be said that this study develops Sulistiawan (2015) by using expert recommendation in group discussion. This study expect that an expert recommendation can give benefit to those groups. Consequently, an expert recommendation is informed to the groups to help participants' in group discussion in this study.

Table 3 and 4 show the findings related to the expert recommendation power minimizing recency bias. Table 3 highlights the impact of BNGN (---+++) that makes investors value stocks more than it should be since the last information is good news. On average, sequential information produces recency bias. This study tries to mitigate recency bias by using an expert recommendation in a group



discussion. Based on the table, individual decision group valuation is 61.875. The value is higher than participants from group with group discussion using an expert recommendation. It means that an expert recommendation used by individual decision maker could minimize recency bias. In sequential information that presents bad news followed by good news, participants tend to consider good news as the last information. The result in Table 3 shows that individual decision after group discussion using an expert recommendation is lower than individual decision before group discussion. It is statistically significant at 5%. H1 is supported.

**Table 3**  
**Individual Decision Before and After Group Discussion Using Expert Recommendation: BNGN (---+++)**

	<i>Mean</i>	<i>N</i>	<i>Std. Deviation</i>	<i>Sig<sup>a</sup></i>
Valuation				
Individual decision before group discussion	61.875	40	11.749	
Individual decision after group discussion using an expert recommendation.	58.625	40	8.472	0.039
Price revision				
Individual decision before group discussion	5.3	40	12.003	
Individual decision after group discussion using an expert recommendation.	3	40	6.6794	0.086

Using price revision to measure belief revision, this study also justifies that price revision after group discussion using an expert recommendation is lower than decision before group discussion. Notably, the price revision before group discussion is 5.3, but after participants process the information in group discussion using an expert recommendation, price revision is 3. It means that group discussion using an expert recommendation enhance the decision quality by minimizing recency bias. Using price revision methodology, H1 is also supported.

Results in Table 3 illustrate that group discussion using an expert recommendation decrease the effect of recency bias. To improve the discussion, this study also believes that the use of sequential information that present bad news followed by good news (---+++) mitigate recency bias.

Table 4 presents that in GNBN sequential information (+++---). From those tables, it is clear that there is no difference valuation between decision before group discussion and decision after group discussion using an expert recommendation. It means that an expert recommendation in group discussion could not solve



recency bias problem. Moreover, the mean of the individual decision before group discussion value stock is 44.074. As well as, the mean of individual decision after group discussion using an expert recommendation estimate is 44.629. Comparing those numbers present evidence that group discussion potentially minimizes recency bias, but not statistically significant. Whenever presenting good news followed by bad news (+++---), people tend to weigh bad news rather than good news. In this situation, the valuation based on group discussion using an expert recommendation is higher than individual decision before group discussion.

**Table 4**  
**Individual Decision Before and After Group Discussion Using An Expert Recommendation: GNBN(+++---)**

	<i>Mean</i>	<i>N</i>	<i>Std. Deviation</i>	<i>Sig<sup>#</sup></i>
<b>Valuation</b>				
Individual decision before group discussion	44.074	27	12.862	0.485
Individual decision after group discussion using an expert recommendation	44.629	27	8.7624	
<b>Belief Revision</b>				
Individual decision before group discussion	-7.962	27	13.101	0.317
Individual decision after group discussion using an expert recommendation	-6.851	27	9.622	

Using experiment based on price revision, the results confirm previous findings. Group discussion using an expert recommendation produces lower revision (-6.851) than individual decision before group discussion (-7.962). It means that recency bias is lower although it is not statistically significant. H2 is not supported.

### **Discussion**

This study predicts that group discussion using an expert recommendation mitigates overvaluation when participants receive bad news followed by good news. The findings support that hypothesis. It means that stocks recommendation from brokers or analysts are useful information for investor communities. They can discuss based on that recommendation to guide their conversation and conclusion. Then, their discussion will help them to minimize recency bias.

Overvaluation is stimulated when investors considering good news rather than bad news. Overreaction to good news produces overvaluation. This study gives evidence that overvaluation can be minimized after group discussion using

an expert recommendation. This finding is important due to its power to fill the recency bias research gap. Based on our knowledge, there is lack of study related to recency bias mitigation using group discussion. Formerly, Sulistiawan (2015) use group discussion, but they show that group discussion stimulate recency without using the advisor (an expert recommendation). The discussion of noise traders does not produce good decision without an expert.

This study also predicts that group discussion using an expert recommendation mitigates undervaluation when participants receive good news followed by bad news. Overreaction to bad news produces stock price undervaluation. This experiment also examines that condition. In information order good news followed by bad news (+++---), investors still suffer recency bias. When bad news is weighted more than good news, investors tend to prefer analysis related to negative disclosures than advice from an expert. Economic downturn makes investors shift their attention from an expert recommendation to its bad news. Swanson et al (2003), Bernard and Stober (1998) and Hartono and Sulistiawan (2015) implicitly support that idea.

From the perspective of human behavior, this study produces different results from different order. Even more, there is an asymmetry reaction of good news and bad news. Facing bad news investors react more negative than good news (Conrad et al., 2002). Finally, this idea is also supported by prospect theory.

## **CONCLUSIONS AND LIMITATION**

Using experimental design, this research investigates the role of an expert recommendation in group discussion to minimize recency bias in investing decision. In brief, this study proves that group discussion using an expert recommendation is useful means to minimize recency bias.

There are several implications of this study. The first, this study improves the use of group discussion in recency bias by providing an expert recommendation as an important feature. This contributes to the methodology of recency bias studies. The second, individual investors could use investor communities, but they have to choose investors communities that provide an expert.

This study can be developed. Using the context of individual investors who use information that they receive and they discuss that information with their community, this study uses within-subject test. Subsequently, the test using between-subject analysis is needed to improve this study although investors usually process their information individually and they discuss based on that information.

### *References*

- Alvia, L and Sulistiawan, D. (2010) "The Examination of Recency and Knowledge Effect in Stock Investment Decision Making: An Experimental Study" *The Indonesian Journal of Accounting Research*, 13, pp. 45-58.
- Ashton, A. H and Ashton, R.H. (1988) "A Sequential Belief Revision in Auditing" *The Accounting Review*, 63, pp. 623-641.
- Ashton, R.H and Kennedy, J. (2002) "Eliminating Recency with Self-review: The case of Auditors' 'Going-concern' Judgments" *Journal of Behavioral Decision Making* 15: pp. 221-231.
- Bernard, V.L and Stober, T.L. (1989). The Nature of Information in Cash Flows and Accruals" *Accounting Review* 64, pp. 624-652.
- Bienber, J.G. (2011) "A Proposed Framework for Behavioral Accounting Research" *Behavioral Research in Accounting* 23, pp. 1-43.
- Conrad, J. Cornell B. and Landsman, W.R. (2002). "When is bad news really bad news?" *Journal of Finance*, 57, pp. 2507-2532.
- Chalos, P. and Poon, M.C.C. (2000) "Participation And Performance in Capital Budgeting Teams" *Behavioral Research in Accounting* 12, pp. 199-229.
- Furnham, Adrian. (1986) "The Robustness of The Recency Effect: Studies Using Legal Evidence" *The Journal of General Psychology* 113, pp. 351-357.
- Hartono, J. and Sulistiawan, D. (2015) "Performance of Technical Analysis in Declining Global Markets" *Global Journal of Business Research* 9, pp. 41-52.
- Libby, R. and Tan, H. (1999) "Analysts' Reaction To Warnings of Negative Earnings Surprises" *Journal of Accounting Research* 37, pp. 415-435.
- Pinsker R. (2007) "Long Series of Information And Nonprofessional Investors' Belief Revision" *Behavioral Research in Accounting* 19, pp. 197-214.
- Pinsker R. (2011) "Primacy or Recency? A Study of Order Effects When Nonprofessional Investors are Provided a Long Series of Disclosures" *Behavioral Research in Accounting* 23, pp. 161-183.
- Sulistiawan, D., (2015) "Group Discussion and Recency Bias" Working Paper.
- Swanson, E.P., Rees, L. and Valdes, L.F.J. (2003) "The Contribution of Fundamental Analysis after a Currency Devaluation" *The Accounting Review* 78, pp. 875-902.
- Trotman, K.T., and Wright, A. (1996) "Recency Effects: Task Complexity, Decision Mode, And Task-Specific Experience" *Behavioral Research in Accounting* 8, pp. 175- 193.
- Tuttle, B. Collier, M. and Burton, F.G. (1997) "An Examination of Market Efficiency: Information Order Effects in a Laboratory Market" *Accounting, Organization and Society* 22, pp. 89-103.

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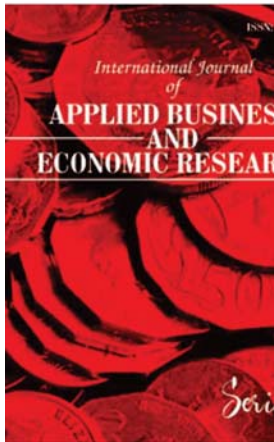
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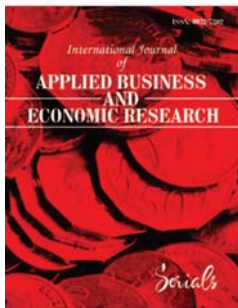
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Author :- Suwadee Muansrichai, Somnuek Panyasing and Sekson Yonvanij

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Author :- Lies Sulistyowati, Ronnie S. Natawidjaja and Boby Rahmat

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Author :- Oliandes Sondakh

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**Author :- Adriani Kala'lembang, Budi Eko Soetjipto, and Sutrisno**

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**Author :- I'in Endang Mardiani and Tantri Yanuar Rahmat Syah**

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**Author :- Dedi Rusdi and Lisa Kartikasari**

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Author :- Petrus Marlim and Agus Zainul Arifin

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Author :- Istiqomah and Krisnhoe Rachmi Fitrijadi

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Author :- Leli Nirmalasari and M. Budi Djatmiko

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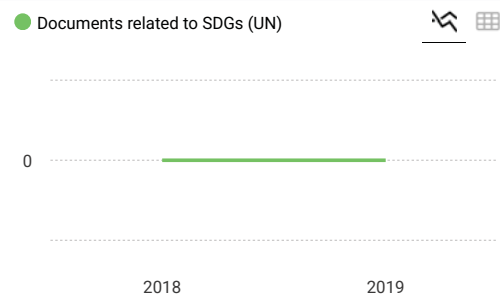
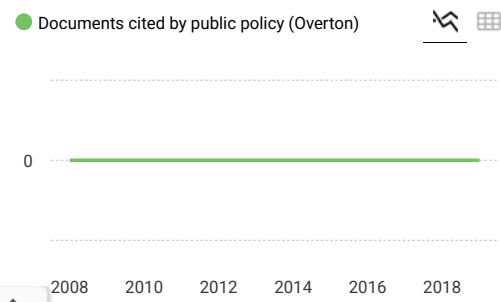
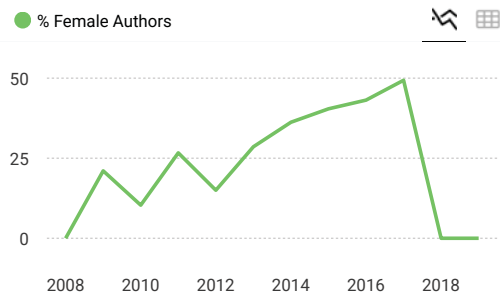
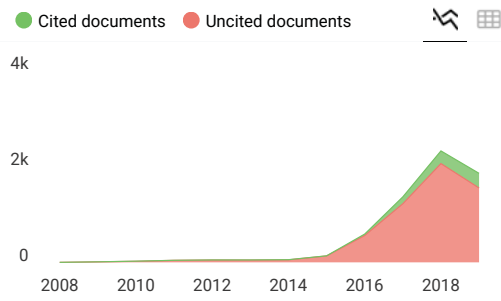
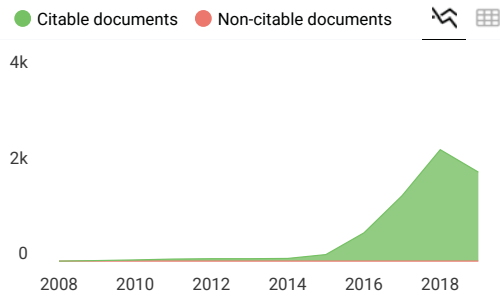
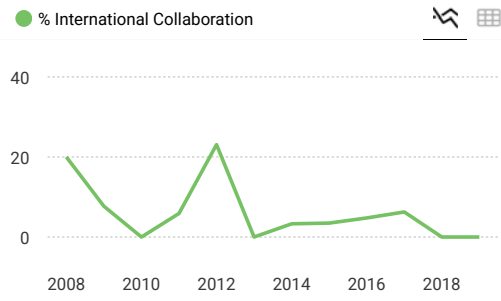
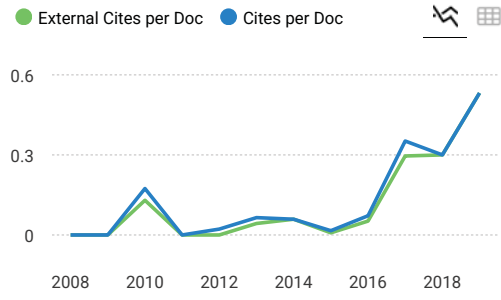
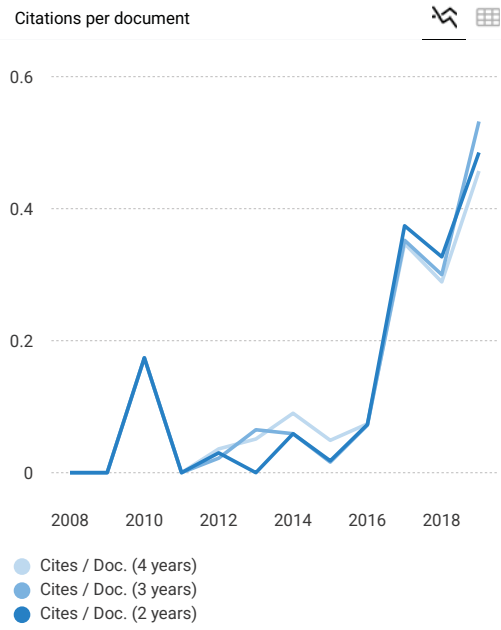
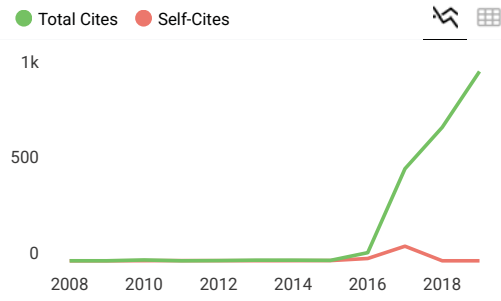
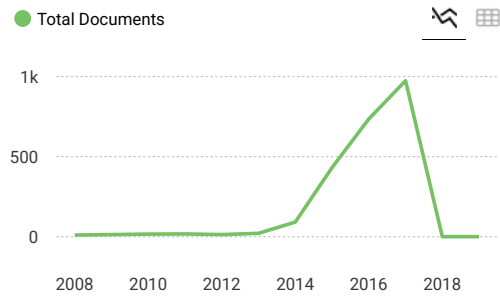
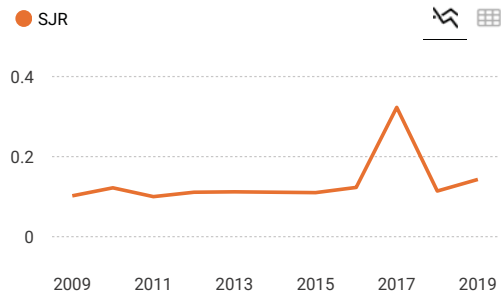
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S

**sigit irianto** 5 years ago

I write in this journal Volume 15, Number 24 in 2017. its tittle Model of Partnership Between Small and Medium Enterprises (SMEs) and Foreign-capital Companies Using the Principle of Fairness as an Effort to Increase Theprosperity of SMEs.

The information that I got from this journal was canceled and all the writings were rated as low, so they could not be used for academic purposes. please explain

← reply



**Melanie Ortiz** 5 years ago

SCImago Team

Dear Sigit,

thank you for contacting us.

We are sorry to tell you that SCImago Journal & Country Rank is not a journal. SJR is a portal with scientometric indicators of journals indexed in Elsevier/Scopus.

Unfortunately, we cannot help you with your request, we suggest you to contact the journal's editorial staff , so they could inform you more deeply.

Best Regards, SCImago Team

M

**Marlina Widiyanti** 5 years ago

Dear Sir / Madam

My article in the International Journal of Applied Business and Economics Research (IJABER) under the title Virtual leadership: Concept, expectation and future

Author: Marlina Widiyanti

Volume: No.15 (2017) Issue No. : 10 (2017)

At present the article cannot be accessed anymore and what already indexed at Scopus for information,

Best regards  
Marlina Widiyanti

← reply



**Estefania Herran Paez** 5 years ago

SCImago Team

Dear Marlina:  
Thank you for contacting us.

We are sorry to tell you that SCImago Journal & Country Rank is not a journal. SJR is a portal with scientometric indicators of journals indexed in Elsevier/Scopus. Unfortunately, we cannot help you with your request, we suggest you to contact the journal's editorial staff , so they could inform you more deeply

Best Regards,  
SCImago Team



**Ziad Zurigat** 5 years ago

Dear Elena  
I have published one of my articles in International Journal of Applied Business and economic research volume 15, issue 22 part 2 but i could not access this volume and issue to download the article. it was there,but i didn't know why it is currently disappeared.

← reply



**Melanie Ortiz** 5 years ago

SCImago Team

Dear Ziad,  
thank you for contacting us.  
We are sorry to tell you that SCImago Journal & Country Rank is not a journal. SJR is a portal with scientometric indicators of journals indexed in Elsevier/Scopus. Unfortunately, we cannot help you with your request, we suggest you to contact the journal's editorial staff , so they could inform you more deeply. Best Regards, SCImago Team



**beckon** 5 years ago

Hello! I just would like to give a huge thumbs up for the great info you have here on this post. I will be coming back to your blog for more soon.

← reply



**Melanie Ortiz** 5 years ago

SCImago Team

Dear Beckon, thanks for your participation! Best Regards, SCImago Team



**Faysal Abdi** 5 years ago

Dear Sir/Madam

could you send me any journal related to Internal control system in detection and prevention of fraud in banks ?

thank u

← reply



**anshul Gupta** 5 years ago

Is this journal still scopus indexed? What does status cancelled mean?

Regards,

Anshul

← reply



**Elena Corera** 5 years ago

SCImago Team

Dear Anshul, thank you very much for your participation. Our data comes from Scopus/ Elsevier, which offers an annual copy of their database. We understand that since the date indicated by Scopus/Elsevier the journal is no longer indexed in its database. While the citation window is still active, we can show indicators of the journal. Best Regards, SCImago Team



**Pham Thuy Duong** 6 years ago

Dear Sir/ Madaam,

I have submitted my paper online to The International Journal of Applied Economics and Business Research yesterday, but until now I have NOT yet received any emails or contacts to confirm that whether the Journal receive my manuscript or not.

Could you help me? Thank you.

← reply



**Asri** 6 years ago

Hi. Elena

My article have been published International Journal of Applied Business and Economic Research". Volume 15 • Number 7• 2017

Could you let me know that article still scopus coverage status since i couldn't access the journal in this moment

Regrads

Asri

← reply



**Elena Corera** 6 years ago

SCImago Team

Dear Asri,

journal has been cancelled in 2017, so your article may not be indexed.

Best regards,  
SCImago Team

M

**Muhammad Bayu** 6 years ago

Dear Sir / Madam

My article in the International Journal of Applied Business and Economics Research (IJABER) under the title The Influence of Organizational Culture and Organizational Commitment Against Cooperative Performance In-Indonesian East Kalimantan Province

Author: Muhammad Bayu

Volume: No.15 (2017) Issue No. : 25 (2017)

Pages: 109-118

At present the article cannot be accessed anymore and what already indexed at Scopus for information,

Best regards  
Muhammad Bayu

← reply

D

**Dr Anubha Srivastava** 6 years ago

dear maam

my paper too got published in the said journal, paper titled" Dividend policy of Business indexed Firms – An analysis of Determinants and Trend".

As per my knowledge it is scopus indexed journal but now can not find it on scopus.

it was published in International journal of "Applied Business and Economic Research" in July 2017, Volume 15, Issue no 17.

but now can not access it. can you please help ??



**Elena Corera** 6 years ago

SCImago Team

Please, contact International Journal of Applied Business and Economic Research, you are contacting Scimago Journal and Country Rank.

Best,  
SCImago Team



M

**mohamed abou Elseoud** 6 years ago

Dear Dear Sir/Madam  
I publish one of my paper in this journal vol 15 (22) 2017 part 3  
its title: Pro tability Determinants of Islamic Retail Banks: A Panel Data Approach  
but i cant nd it in Scopus website  
kindly i am waiting your reply very soon  
Best Regards  
Dr. Mohamed

← reply

A

**Arthi** 6 years ago

Dear Sir/madam

As it is stated that the scopus coverage cancelled from the end of 2017, so the publication in December 2017 (volume 15 and special issue) will be in scopus or not.

← reply

K

**Krishna** 6 years ago

Is there any article about gig economy??

← reply

D

**Dr,mohamed Abou Elseoud** 6 years ago

Dear Sir/Madam  
I already publish one of my paper in 2017, that titles Pro tability Determinants of Islamic Retail Banks: A Panel Data Approach, International Journal of Applied Business and Economic Research, 15(22) part 3: 201-213  
but I cant nd it in Scopus data base?  
best regards

← reply



**Elena Corera** 6 years ago

SCImago Team

Dear Dr Mohamed,

thank you for your comment. Sometimes it takes a few times to be published.

Best regards,  
SCImago Team

F

**Fino** 6 years ago

Dear Elena Corera

I was publish my article with ISSN : 0972-7302 Volume 15 . Number 19 . 2017, date February, 6, 2017. this journal your cancelled in January 2018. can you send for me status on going 2008-2017.

Thanks

← reply



**Elena Corera** 6 years ago

SCImago Team

Dear Fino,  
thank you very much for your comment. SCImago has no authority over the inclusion or exclusion of a journal. Until Scopus sends us the data in April 2019, we will not know if they have included it or not.  
Best Regards,  
SCImago Team



**Novy** 6 years ago

Hi Elena,  
My article have been published International Journal of Applied Business and Economic Research".  
Volume 15 • Number 23 (Part 2) • 2017  
Could you let me know that article still scopus coverage status since i couldn't access the journal in this moment

Regrads  
Novy

← reply



**Elena Corera** 6 years ago

SCImago Team

Dear Novy, I understand that it is included, since the cancellation date is 2017, therefore, I understand that what was published after 2017 is not indexed in Scopus. Best Regards,  
SCImago Team



**Eko Suyono** 6 years ago

Dear Sir/Maddam

Why in the Scopus website the status of this journal is canceled while in the Scimago is still active in Q2?

← reply



**Elena Corera** 6 years ago

SCImago Team

Dear Eko,  
thank you very much for your comment, remember that the SJR is a static image of a database (Scopus) which is changing every day.  
Best regards,  
SCImago Team

F

**Fara** 6 years ago

Dear Madam,  
Greetings!

I have published the below Article in this journal. I can not find it in its archive. I need to have the URL and the relevant DOI if available please.

"F. AKRAMI, 2017 Justifications for Recognition of Open Price Term in Islamic Law, International Journal of Applied Business and Economic Research, 15(26), 307-319"

Thank you so much for your kind support and attention  
Regards  
Fara

← reply



**Elena Corera** 6 years ago

SCImago Team

Dear Fara,  
thank you very much for your comment. If you need bibliographic information or full text, we suggest you do a Scopus search or contact your librarian.  
Best Regards,  
SCImago Team

M

**mahdi** 6 years ago

I want to publish an article in a [fscienti.c](#) journal  
What are the procedures?

← reply

F

**Fara** 6 years ago

Dear Mahdi,

I am not sure, but, I think you can go to this page:

[https://www.serialsjournals.com/online-submission.php?journals\\_id=22](https://www.serialsjournals.com/online-submission.php?journals_id=22)

and from the items on the left hand, choose "ONLINE SUBMISSION"

Good Luck

M

**mahdi** 6 years ago

I want to publish an article in the best of your journal  
What are the procedures?

← reply



**Praba** 6 years ago

please confirm still your J indexed in SCOPUS?  
From Praba

← reply



**Elena Corera** 6 years ago

SCImago Team

Dear Praba,  
Thank you very much for your participation. Our data comes from Scopus/Elsevier, which offers an annual copy of their database. We understand that since the date indicated (2017) by Scopus/Elsevier the journal is no longer indexed in its database. While the citation window is still active, we can show indicators of the journal.  
Best Regards,  
SCImago Team



**RAMESH SAFARE** 6 years ago

Authors:Dr. Dr. N. Venkata Ramana, Ramesh Safare, Mr. M. Suman Kumar,  
Title:Financial Strength of Select Banks in India: A Perspective from CAMEL Model  
Journal:International Journal of Applied Business

← reply



**suwandi sumartias** 6 years ago

Dear Elena

On behalf I have published my article with ISSN : 0972-7302 Volume 15 . Number 19 . 2017. The Title" Student Satisfaction ,University Brand image and Its Impact on Word of Mouth Communication".  
Please give me that still scopus indexing?

Thank You Very Much

best regard

suwandi s

← reply



**Elena Corera** 6 years ago

SCImago Team

Dear Suwandi our data come from Scopus/Elsevier, which offers an annual copy of your database. We understand that since the date (2017) indicated by Scopus/Elsevier the journal is no longer indexed in its database. Articles "inherit" the impact of the journal in the year of publication Best Regards, SCImago Team



**Imam Subekti** 6 years ago

I wait the respon. Tq

← reply



**Imam Subekti** 6 years ago

Dear Sir/Madam

My paper has published in this journal together with Dwi Orbaningsih, Bambang Subroto and Erwin Saraswati, but I can't register at scopus index, Why?

← reply



**Elena Corera** 6 years ago

SCImago Team

Dear Imam, we suggest you contact the journal or Scopus directly. Best Regards,  
SCImago Team



**sharath** 6 years ago

Respected sir

this is to know about publication in your journal i am unable to find how to send the paper for publication thank you

← reply



**Elena Corera** 6 years ago

SCImago Team

Dear Sharath, we suggest you locate the author's instructions on the journal's website.  
Best Regards, SCImago Team



**Dan** 7 years ago

Dear Sir/Madam,

what does it mean for previous papers published in this journal till the end 2017? Does it mean that the papers from authors lost the "scopus coverage status"?

Thanks.

Best Regards,  
Dan

← reply



**Elena Corera** 7 years ago

SCImago Team

Dear Dan our data source is Scopus and SCImago has nothing to do with the selection of journals. Please put these issues to directly contact:

[https://service.elsevier.com/app/answers/detail/a\\_id/14883/kw/scimago/supporthub/](https://service.elsevier.com/app/answers/detail/a_id/14883/kw/scimago/supporthub/)



**dimas** 7 years ago

Dear Sir/Madam,  
Why the status of coverage is cancelled? Will it publish again?

Regards,  
Dimas

← reply



**Elena Corera** 7 years ago

SCImago Team

Dear Dimas, our data come from Scopus/Elsevier, which offers an annual copy of your database. We understand that since the date indicated by Scopus/Elsevier the journal is no longer indexed in its database. Best Regards, SCImago Team

**Leave a comment**

Name

Email

(will not be published)

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The users of Scimago Journal & Country Rank have the possibility to dialogue through comments linked to a specific journal. The purpose is to have a forum in which general doubts about the processes of publication in the journal, experiences and other issues derived from the publication of papers are resolved. For topics on particular articles, maintain the dialogue through the usual channels with your editor.

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# Source details

## International Journal of Applied Business and Economic Research

Years currently covered by Scopus: from 2008 to 2017

(coverage discontinued in Scopus)

Publisher: Serials Publications

ISSN: 0972-7302

Subject area: Business, Management and Accounting: Business and International Management

Economics, Econometrics and Finance: Economics and Econometrics

Source type: Journal

CiteScore 2016

**0.1**



SJR 2019

**0.143**



SNIP 2020

**0.402**



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