Journal of Islamic Monetary Economics and Finance, Vol. 10, No. 4 (2024), pp. 679 - 708
p-ISSN: 2460-6146, e-ISSN: 2460-6618

RESEARCH STATUS AND PROSPECTS OF SHARIAH COMPLIANCE IMPACT ON FIRM RISK, PERFORMANCE AND RESILIENCE

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ABSTRACT

This article performs a bibliometric analysis on the impacts of Shariah compliance on firms' risk, performance, and resilience. Using Scopus database, a total of 1063 documents have been identified and analyzed utilizing VOSviewer. In the analysis, we evaluate co-authorship, keyword co-occurrence, and citation to identify influential authors, countries, and sources. The findings reveal a consistent increase in publications, particularly noticeable from 2014 onwards, indicating a growing interest in this research domain. Notably, the study highlights the pivotal role of Shariah compliance in enhancing corporate governance, financial risk management, and sustainable development, thus directly impacting the risk, performance, and resilience of firms. Globally it seems that by adhering to Shariah principles, firms can mitigate risks effectively, enhance their performance, and strengthen their capacity to withstand market fluctuations and economic uncertainties, thereby improving their overall resilience. These findings underscore the global significance of Shariah-compliant finance and emphasize the imperative for further research to deepen the understanding of its implications for firms.

Keywords: Bibliometric analysis, Islamic finance, Risk, Performance, Resilience.
JEL classification: G32; L25.

Article history:

Received	: April 15, 2024
Revised	: August 23, 2024
Accepted	: November 30, 2024
Available online	: December 24, 2024

https://doi.org/10.21098/jimf.v10i4.2152

I. INTRODUCTION

In recent years, the evolution of Islamic finance has been significant. Scholars and practitioners have shifted their attention toward Islamic finance, hoping to better comprehend its nuances and implications for companies working within Shariah-compliant frameworks (Kaya, 2023). Islamic finance, which derives from the teachings of the Quran and Sunnah, is strongly based on Shariah guidelines, providing a unique structure for financial transactions and business operations (Pamuji et al., 2022).

The rapid growth of Islamic finance is driven by a confluence of religious principles and practical considerations, which motivates the development of Islamic financial institutions and encourages traditional players to provide Shariah-compliant financial products (‘Ilmi, 2023). Moreover, the integration of ethical and green finance principles has further enhanced the evolution of Islamic finance (Moghul & Safar-Aly, 2014 ; Alam et al., 2023). Ethical and green finance emphasize sustainable and socially responsible investing, which closely aligns with the ethical principles underlying Islamic finance. This alignment has broadened the appeal of Islamic finance to a wider range of investors, including those who prioritize ethical considerations in their investment decisions. Consequently, the integration of ethical and green finance principles has expanded the investor base for Islamic financial products and services (Franzoni & Ait Allali, 2018).

The acceptance and awareness of Islamic economics have expanded even among non-Muslims, demonstrating its universal significance in today’s financial landscapes (Cortelezzi & Ferrari, 2022). This development has major consequences for organizations that want to operate according to Shariah principles, as it emphasizes the importance of aligning financial processes with ethical and religious requirements. In this context, understanding Shariah compliance’s influence on business performance, risk, and resilience is essential. Business performance refers to the measurement of a company’s efficiency, profitability, and overall success, typically evaluated through financial metrics, market share, and other relevant indicators. Firm risk is the exposure of a company to potential financial losses or uncertainties that may affect its operations, profitability, and sustainability. Resilience, in this context, is the ability of a company to withstand and recover from adverse conditions, such as economic downturns, market fluctuations, or other external shocks, while maintaining its core functions and sustaining growth.

Despite the burgeoning interest and growth in Islamic finance, significant gaps persist in comprehensively understanding its impact on firm risk, performance, and resilience. Current studies predominantly emphasize theoretical frameworks or isolated case studies (Akkas & Al Samman, 2021; Kassim, 2016), thereby neglecting systematic bibliometric analyses that could illuminate these impacts across a wider spectrum of literature. This study seeks to address this by conducting a bibliometric analysis of publications on the impact of Shariah compliance on the risk, performance, and resilience of firms. The analysis aims to identify the most prolific authors, countries, and sources in this field, as well as common themes and research gaps. The study will help better understand how Shariah principles influence many business aspects such as risk management, financial performance, and resilience. To reach this goal, the study intends to answer the following research questions: Which authors, countries, and sources have made the most significant contributions to the literature on the effects of Shariah compliance on corporate risk, performance, and resilience? What are the most common themes, trends, and gaps in the literature about the impact of Shariah compliance on firms' risk, performance, and resilience?

The paper is organized as follows: The first section presents an overview of the impact of Shariah compliance on businesses, contextualizing this field of study within the larger domain of Islamic finance. The next section describes the data sources and methodology used for the bibliometric analysis. In the methodology section, various analytical techniques, such as co-authorship analysis, keyword co-occurrence analysis, and citation analysis, are used to identify influential publications, countries, sources, and authors. These methodologies enable the examination of collaborative networks, theme clusters, and knowledge distribution patterns in literature. The findings section presents the main results of the bibliometric analysis, highlighting key insights regarding authorship patterns, publication trends, and thematic concentrations within the field. Additionally, the section discusses the notable gaps and emerging trends identified through the analysis. Finally, the conclusion summarizes the study's primary findings and provides recommendations for future research directions.

II. LITERATURE REVIEW

2.1. Background Theory

The evolution of Islamic finance is part of a broader global shift towards more ethical and sustainable financial practices, including ethical finance, green finance, and solidarity finance. Ethical finance focuses on investments that adhere to moral and ethical standards. Meanwhile, green finance aims at supporting environmental sustainability projects and solidarity finance emphasizes the importance of social bonds and supports projects with a strong social impact. The alignment of Islamic finance with these concepts has sparked increased interest in its principles and practices (Hayat & Malik, 2014). Islamic finance's emphasis on promoting social welfare, economic justice, and environmental sustainability naturally complements these emerging financial paradigms. By offering a framework that inherently avoids exploitative practices and supports equitable economic growth, Islamic finance provides a compelling alternative to conventional financial systems (Tabash & Dhankar, 2014). This context sets the stage for exploring the impact of Shariah compliance, framing Islamic finance not just as a religiously inspired financial system but as part of a larger movement towards more responsible and sustainable financial practices worldwide.

In recent years, there has been a growing interest in combining Islamic finance with business concepts. Shariah compliance is crucial to this intersection, as it defines the ethical and moral norms that companies must follow in their daily operations. Shariah compliance is based on Islamic law (Shariah), emphasizing values such as ethical conduct, social responsibility, and equitable income distribution. These principles include prohibitions on practices like riba (interest), gharar (uncertainty), and maysir (gambling) (Uddin, 2015; Visser, 2019).

The theoretical foundations of the relationship between Shariah compliance and company performance investigate different mechanisms by which adherence to

Islamic finance principles can influence financial outcomes (Pepis & de Jong, 2019). Drawing on theoretical concepts such as agency theory, stakeholder theory, and Islamic economics, this investigation seeks to understand how ethical governance, stakeholder alignment, and risk-sharing arrangements can contribute to improved performance metrics such as profitability, market share, and shareholder value. Additionally, Shariah compliance provides a framework for controlling many types of business risk(Agha & Sabirzyanov, 2015; Al Rahahleh & al., 2019), closely correlating with theoretical ideas on risk management and corporate governance. Concepts such as transparency, accountability, and adherence to ethical norms can effectively minimize financial, reputational, and regulatory risks within organizations. Furthermore, the resilience and sustainability implications of Shariah compliance for businesses are based on theories of organizational resilience, sustainable development, and corporate social responsibility (Tok & Yesuf, 2022). The analysis looks at how Shariah-compliant firms might be more resilient to external shocks and environmental issues by prioritizing long-term value creation, encouraging stakeholder participation, and adhering to ethical norms.

2.2. Previous Studies

2.2.1. Impact of Shariah Compliance on the Performance

The literature on the impact of Shariah compliance on business performance encompasses various dimensions and methodologies, shedding light on the multifaceted implications of adherence to Islamic principles. Studies have explored the relationship between Shariah compliance and financial performance across different sectors and contexts.

Saba et al. (2020) focus on the Malaysian market in their analysis of the comparative performance between Shariah-compliant and non-compliant firms. Their findings suggest the implications of Shariah compliance for business and economic gains, implicitly pointing that compliance can lead to better overall performance. On a cautionary note, Farooq & Alahkam (2016) indicate underperformance of Shariah-compliant firms in comparison to their non-compliant counterparts in the MENA region. These conflicting results pointed to the complexity of assessing Shariah compliance impact and the need for diverse methodologies in research to get a clearer picture.

Kamal et al. (2023) examine the differences in performance determinants between Shariah-compliant and non-Shariah-compliant firms in the manufacturing sector in Malaysia. Their findings suggest that Shariah-compliant firm performance is significantly influenced by firm size, leverage, tangibility, and efficiency, highlighting the distinctive factors shaping performance outcomes within Shariah-compliant firms. Similarly, the study by Katterbauer et al. (2022) presents a data-driven analysis of the environmental compliance and financial performance of Shariah-compliant enterprises. The analysis reveals strong clustering performance in Islamic environmental compliance and differentiation between compliant and non-compliant corporations, indicating the potential impact of environmental considerations on financial outcomes within Shariah-compliant entities.

Furthermore, Sueb et al. (2022) explore the impact of Shariah supervisory board characteristics, risk-taking behavior, and Sharia maqasid on the financial performance of Islamic banks. Their findings suggest that higher-quality characteristics of the Shariah supervisory board positively affect Islamic bank performance, emphasizing the importance of governance structures in driving financial outcomes in accordance with Shariah principles. Studies by Salsabilla et al. (2022) and Aroof et al. (2023) focus on the effect of intellectual capital, Shariah compliance, and Islamic corporate governance on financial and social performance in Islamic banks. While Salsabilla et al. (2022) find no effect of intellectual capital and Shariah compliance on social performance, Aroof et al. (2023) report a positive influence of Shariah compliance on financial performance, emphasizing the importance of intellectual capital in driving organizational outcomes.

The literature on the impact of Shariah compliance on business performance reveals a nuanced relationship influenced by various factors such as firm size, leverage, governance structures, intellectual capital, and environmental considerations across different sectors. While some studies suggest a positive influence of Shariah compliance on financial performance, others report mixed findings, indicating both positive and negative effects. Governance mechanisms, particularly the quality of Shariah supervisory boards, emerge as crucial determinants of performance in Shariah-compliant entities. Additionally, environmental compliance plays a significant role in assessing the financial performance of Shariah-compliant enterprises. However, the influence of Shariah compliance on social performance remains less clear, with studies reporting mixed findings. Overall, the literature underscores the need for further research to elucidate the mechanisms underlying the relationship between Shariah compliance and business performance and its implications for stakeholders in Islamic finance.

2.2.2. Impact of Shariah Compliance on Risk

The literature on the impact of Shariah compliance on risk sheds light on the relationship between adherence to Islamic principles and various risk dimensions. One of the core themes in earlier studies is the comparison of risk profiles between Shariah-compliant and conventional firms. Research by El-Gamal (2006) affirms that the prohibition of interest (riba) and speculative activities (gharar) in Islamic finance could inherently reduce financial risk by encouraging a more stable and ethical investment approach. Similarly, M. K. Hassan & Bashir (2003) analyze the operational risks and efficiency of Islamic banks, suggesting that Shariah compliance could lead to a more resilient banking sector through stringent risk management and ethical banking practices.

Corporate governance within Shariah-compliant firms has also received considerable attention. The role of Shariah supervisory boards (SSBs) is highlighted in Grais & Pellegrini (2006). They argue that the presence of SSBs provides an additional layer of oversight, enhancing the firm's governance structure and potentially reducing compliance and operational risks. Further insight into the governance aspect is provided by Mukhibad & Setiawan (2022). They explore the relationship between corporate governance and Islamic law compliance risk, highlighting the role of SSB and their impact on controlling compliance-related risks. Similarly, Rosli et al. (2022) focus on the relationship between the board of directors' ethical commitment, risk management, internal control systems, and the performance of Shariah-compliant companies. Their findings indicate that ethical commitment and effective risk management positively influence firm performance. Furthermore, Supriatna et al. (2022) investigate the influence of Shariah compliance and Islamic corporate governance on fraudulent activities in Islamic banks, emphasizing the importance of governance structures in eliminating risks related to fraudulent behaviors.

The impact of Shariah compliance on market risks, particularly in the context of stock market performance and investor behavior, is explored in numerous studies. Hoepner et al. (2011) examine the performance of Islamic mutual funds, finding that these funds do not significantly underperform their conventional counterparts, indicating that Shariah compliance does not adversely affect investment returns, contrary to some expectations. This suggests a nuanced relationship between Shariah compliance and market risk, with compliance potentially serving as a stabilizing factor rather than a limitation on performance. In the same context, Haseeb et al. (2022) find that Shariah-compliant firms exhibit a significant negative impact on stock price crash risk, indicating that adherence to Shariah principles may mitigate certain types of risk. Conversely, Bakar et al. (2023) examine the relationship between Shariah non-compliant risk and stock returns in Malaysia, revealing a significant positive correlation, suggesting that investors prioritize higher returns over Shariah compliance, potentially increasing risk exposure.

In terms of financial strategies and risk management practices, Abdul Wahab (2021) investigates the influence of Shariah compliance on currency exposure and finds that the level of compliance has a negligible impact on exchange exposure level. Meanwhile, Guizani & Abdalkrim (2021) examine cash holdings dynamics and find that Shariah-compliant firms exhibit a positive impact on the level of cash reserves, suggesting a potential risk management benefit associated with Shariah compliance. Bayram et al. (2023) propose using portfolio optimization models to construct Shariah-compliant portfolios, suggesting that such approaches can help manage Shariah non-compliance risk effectively.

Collectively, these studies provide a nuanced understanding of the relationship between Shariah compliance and risk, highlighting both potential benefits, such as risk mitigation through enhanced governance and ethical standards, as well as challenges, such as the potential trade-off between compliance and financial performance. The findings underscore the importance of comprehensive risk management strategies tailored to the unique characteristics of Shariah-compliant frameworks.

2.2.3. Impact of Shariah Compliance on Resilience

In assessing the impacts of Shariah compliance on resilience, it is essential to consider the broader context of ethical business practices and their contributions to organizational robustness. Studies have shown that both Islamic and Western schools of business ethics, represented by Shariah compliance and corporate social responsibility (CSR) respectively, improve firm resilience and reduce firm risk (Cheong & al., 2019). After the 2008 global financial crisis, academic interest in examining how ethical business practices, including Shariah compliance, contribute to firm resilience has increased. Ahmed (2010), Elasrag (2010) and Kayed & Hassan (2011) show that adopting Shariah principles can enhance a firm's resilience to economic shocks and market volatility. Likewise, Cheong (2021) suggests that Shariah-compliant firms generally exhibit lower risk levels and enhanced resilience, with improved firm stability and performance, particularly after economic downturns like the U.S. subprime crisis.

During the COVID-19 pandemic, Islamic banking businesses demonstrate resilience, attributed in great part to their consistent internalization of Shariah values (Suwito et al., 2022). Furthermore, empirical evidence suggests that Shariah-compliant firms exhibit lower firm-specific stock price crash risk (Haseeb et al., 2022). Additionally, Shariah compliance has been found to positively influence the level of cash reserves in firms, enhancing liquidity and financial resilience (Guizani & Abdalkrim, 2021).

2.2.4. Bibliometric Studies in Islamic Finance

In addition to the studies directly examining the impact of Shariah compliance on firm risk, performance, and resilience, there have been several bibliometric analyses within the field of Islamic finance. These studies map the intellectual structure, identify research trends, and evaluate the development of specific topics within Islamic finance, thereby contributing valuable insights to the literature. For instance, a bibliometric review by Alshater et al. (2020) analyzes nearly 2,000 studies on Islamic finance, identifying core research themes such as risk management, financial performance, and governance, which are closely related to the themes explored in the current study. Similarly, Hartanto et al. (2024) focus on Islamic banking sustainability, using bibliometric tools to identify key trends and future research directions, which align with the growing interest in sustainable and resilient financial practices in Islamic finance. Qadri et al. (2022) conduct a bibliometric analysis of Takaful research, highlighting gaps in the literature and suggesting areas for future inquiry, particularly in the use of technology and Shariah governance topics that intersect with the broader concerns of risk and resilience in Islamic finance.

These studies, all based on data from the Scopus database, demonstrate the power of bibliometric analysis in providing a systematic and quantitative overview of the field, identifying influential works, and setting the stage for future research. The use of Scopus as a data source ensures a comprehensive and high-quality selection of literature, while the application of bibliometric tools like RStudio and VOSviewer allows for the visualization of research trends, intellectual networks, and thematic clusters. This methodology is crucial for understanding the development and direction of research in Islamic finance, and it supports the rationale for using a similar approach in this study to explore how Shariah compliance impacts firm performance, risk, and resilience.

III. METHODOLOGY

The bibliometric analysis is a quantitative research method that examines the relationships among various elements such as authors, publications, journals, and citations (Ellegaard, 2018). In the realm of business research, the bibliometric analysis has become increasingly popular to analyze the intellectual structure of specific topics and identify emerging trends in journal performance, collaboration patterns, and research elements (Haron et al., 2022; Sholihin et al., 2021). To conduct a bibliometric analysis of the impact of Shariah compliance on the performance, risk, and resilience of businesses, the following steps have been undetaken:

3.1. Data Sources and Selection Criteria

Scopus is selected as the primary database for this study due to its extensive coverage of peer-reviewed journals and its reputation for indexing high-quality research articles across diverse disciplines. According to Falagas et al. (2008), Scopus covers a broader range of journals compared to the Web of Science, especially in the business and finance field and niche areas like Islamic finance. Additionally, Scopus's user-friendly interface and comprehensive bibliometric tools (Martín-Martín et al., 2018) facilitate a more efficient and effective analysis, ensuring a thorough and detailed examination of the literature.

3.2. Literature Inquiry

A thorough exploration conducted on the Scopus database uses a specified query: TITLE-ABS-KEY (performance AND Shariah AND compliant AND firm) OR (risk AND Shariah AND compliant AND firm) OR (resilience AND Shariah AND compliant AND firm). This search aims to identify literature concerning the performance, risk, and resilience of Shariah-compliant firms. The investigation encompasses the period from 2009 to 2023, resulting in the discovery of 1,063 relevant documents.

3.3. Information Gathering and Bibliometric Evaluation

Data gathered on the identified publications include titles, authors, research fields, document types, keyword phrases, countries of origin, and publication years. The VOS Viewer software is utilized to perform the bibliometric analysis, allowing for the visualization of research trends and the evolution of the field over time. The analysis provides insights into the distribution of research output across different dimensions, enabling the identification of key contributors and seminal works.

3.4. Keyword Research

A keyword co-occurrence analysis is conducted using VOS Viewer to identify the most frequently used terms and their connections within the literature. Additionally, keyword frequency analysis is performed to determine the most discussed topics related to Shariah compliance and its impact on business performance, risk, and resilience. The findings facilitate the identification of prominent themes and research directions within the field.

3.5. Analysis of Clusters

A cluster analysis is employed to group related keywords based on their co-occurrence patterns. This approach enables the identification of thematic clusters representing distinct areas of research within literature. The cluster theme map generated by the VOS Viewer provides a visual representation of the relationships between keywords and highlighted important clusters and themes. This analysis helps to uncover patterns, trends, and connections that may not be readily apparent through traditional literature review methods.

By following these comprehensive steps, this bibliometric analysis aims to provide a systematic overview of the literature on the impact of Shariah compliance on business performance, risk, and resilience. Through the analysis of publication trends, keyword usage, and thematic clusters, this study contributes valuable insights to the existing body of knowledge in the field of Islamic finance and business.

IV. RESULTS AND ANALYSIS

4.1. Results

4.1.1. Publication by Year

After excluding the year 2024, as it represents the year of analysis, a total of 1,062 documents are identified from the Scopus database related to the impact of Shariah compliance on the risk, resilience, and performance of firms.

Figure 1 depicts the steady increase in the number of publications over the years, indicating a growing interest and research activity in this area. From 2009 to 2013, the number of publications ranged from 1 to 10 per year, suggesting relatively low research output during this period. However, starting in 2014, there has been a notable surge in the number of publications, with the figures nearly doubling each year. In particular, there has been a significant jump in publications from 2017 onwards, with the number of documents increasing substantially each year. The year 2023 marks the culmination of this upward trend, with a total of 255 documents published, indicating the highest research activity recorded during the analyzed period.

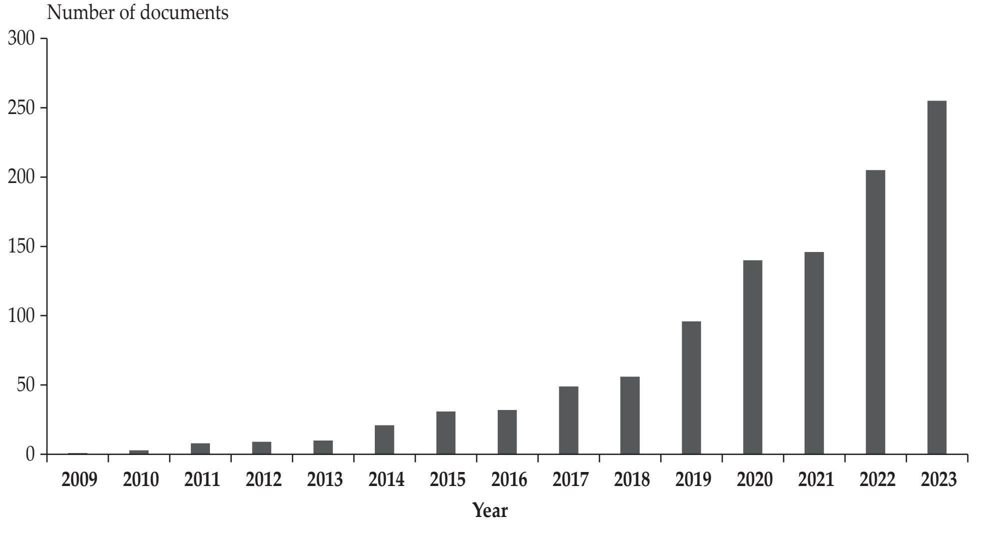

Figure 1.
Evolution of Research on the Impact of Shariah Compliance on Risk, Resilience, and Performance of Firms (2009-2023)

4.1.2. Contribution by Journal

The analysis of the top 10 most cited journals provides valuable insights into the scholarly landscape surrounding the impact of Shariah compliance on risk, resilience, and performance of firms. The dominance of reputable publishing houses such as Elsevier, Emerald Publishing, and Springer Nature among the top-ranking journals underscores the rigorous academic standards and editorial quality associated with these publications. Their extensive reach and influence within the academic community contribute to the dissemination of cutting-edge research and facilitate scholarly discourse on complex topics like Islamic finance.

Among the identified journals in Table 1, the *Journal of Banking and Finance* stands out with the highest number of citations, highlighting its significance as a primary source of research in the field. With a Cite Score of 5.7, this journal consistently publishes high-impact studies that shape the direction of research and practice in banking and finance. Similarly, the *Pacific Basin Finance Journal* demonstrates its prominence with a substantial number of documents and citations, indicating its role as a leading platform for disseminating research on financial markets and institutions. Emerald Publishing's *Journal of Islamic Accounting and Business Research* and *International Journal of Islamic and Middle Eastern Finance and Management* occupy notable positions, emphasizing the growing interest in Islamic finance and accounting within academic circles. These journals contribute to the development of a robust body of literature exploring the intersection of Islamic principles with contemporary business practices, fostering a deeper understanding of Shariah-compliant financial mechanisms. Furthermore, the inclusion of interdisciplinary journals like the *Journal of Economic Behavior and Organization* and the *Journal of Sustainable Finance and Investment* reflects the multifaceted nature of research on

Shariah compliance. These journals provide platforms for scholars from diverse backgrounds to engage in cross-disciplinary discussions and explore the broader socio-economic implications of Islamic finance beyond traditional financial metrics.

Table 1.
The Rankings and Scores of the Top 10 Most Cited Journals

Sources	Documents	Citations	SJR	SNIP	Cite score	Publisher
Journal of banking and finance	1	848	1.716	2.191	5.7	Elsevier
Pacific basin finance journal	30	708	1.112	1.6	5.9	Elsevier
Journal of Islamic accounting and business research	67	518	0.354	0.848	3.3	Emerald Publishing
International Journal of Islamic and Middle eastern finance and management	37	385	0.49	1.422	4.6	Emerald Publishing
Research in international business and finance	16	334	1.273	2.069	9.1	Elsevier
Journal of international financial markets, institutions, and money	10	262	1.031	1.447	5.3	Elsevier
Journal of Financial Services Research	2	251	0.754	1.241	2.3	Springer Nature
Journal of economic behavior and organization	6	181	1.184	1.16	3	Elsevier
Journal of sustainable finance and investment	8	148	0.897	1.564	7.4	Taylor & Francis
journal of corporate finance	5	146	2.268	2.566	7.6	Elsevier

4.1.3. Country Analysis

Table 2 provides the distribution of publications on the impact of Shariah compliance on risk, resilience, and performance of firms across different countries. Leading the list is Malaysia with 355 documents, followed by Indonesia with 144. The United States, Saudi Arabia, Pakistan, and the United Kingdom also contribute significantly, with 97, 90, 89, and 89 documents respectively. Other countries, such as the United Arab Emirates, Australia, India, and China, show varying levels of engagement in this area of research. Additionally, countries like Tunisia, France, Italy, Bangladesh, and Bahrain are also represented in the publications, indicating a diverse global interest in understanding the relationship between Shariah compliance and firm risk, performance, and resilience.

Table 2.
Distribution of Publications About Shariah-Compliant Impact on Risk, Performance, and Resilience of Firms

Country	Number of documents
Malaysia	355
Indonesia	144
United States	97
Saudi Arabia	90
Pakistan	89
United Kingdom	89
United Arab Emirates	65
Australia	61
India	55
China	54
Tunisia	41
France	40
Italy	35
Bangladesh	34
Bahrain	30

Our analysis also seeks to illustrate the extent of collaboration and influence among countries in the context of the impact of Shariah compliance on risk, resilience, and performance of firms. Hence, in Figure 2, we present a visualization of co-authorship among countries.

Country co-authorship fosters global collaboration, facilitates information sharing, and enhances diversity in research. International collaboration among scholars yields more substantial outcomes by amalgamating a range of perspectives, expertise, and resources. These connections facilitate international cooperation, scientific diplomacy, and access to additional resources and funding opportunities. Notably, significant countries are depicted by larger nodes, with their collaborative efforts depicted by the connections between nodes. The level of collaboration is indicated by the thickness of the linkages and the spacing between nodes. In this network visualization, Malaysia emerges as the central node, indicating its pivotal role in international collaboration. The United States, Pakistan and Indonesia are among the primary collaborators in this endeavor.

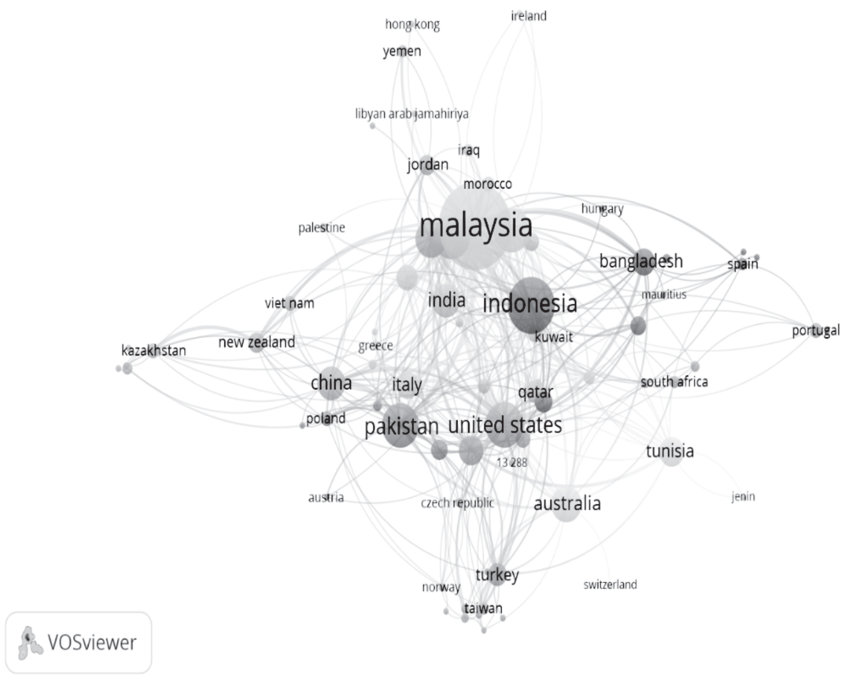

Figure 2.
Visualization of Co-Authorship among Countries

4.1.4. Influence of Authors

Out of the extensive pool of 65,515 authors encompassed within our analysis, we implement a rigorous filtration process by setting the minimum number of citations of an author at 30. This deliberate selection criterion is designed to sift through the vast array of contributors and pinpoint those whose scholarly works have exerted the most significant influence within the domain under investigation. By focusing on authors with a substantial citation count, we aim to distill the co-citation network to its essence, illuminating the pivotal figures whose research has made a notable impact on the discourse surrounding the interplay of Shariah compliance with the risk, resilience, and performance dynamics of firms.

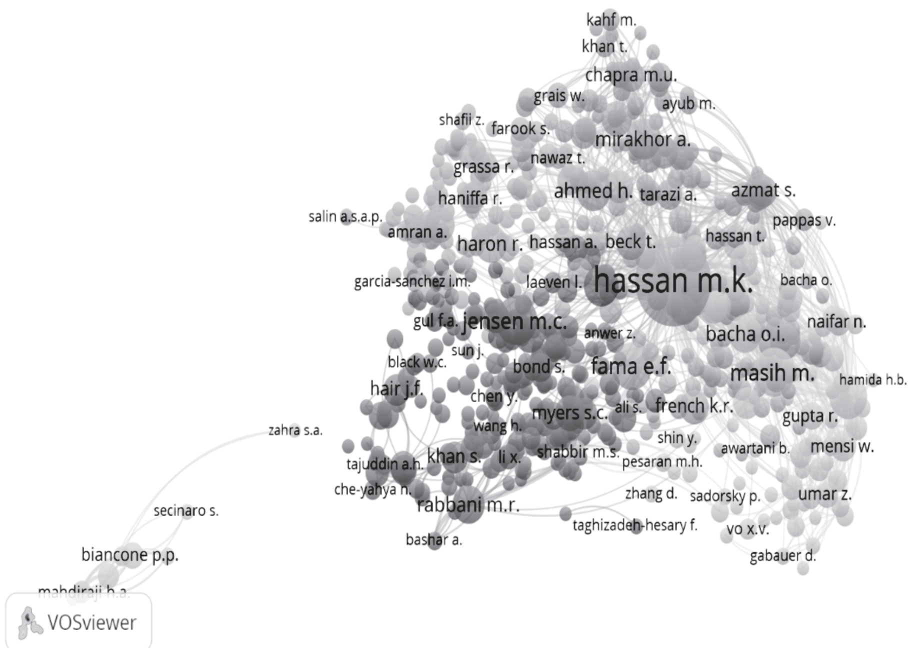

Figure 3.
The Co-Citation of Publications on Shariah Compliance Impact on Risk, Resilience, and Performance of Firms

Through this strategic filtering process, the resultant co-citation network shown in Figure 3 offers a refined depiction of the scholarly landscape, with prominent nodes representing authors whose works have garnered widespread recognition and citation like Hassan M.K. and Masih M. with respectively 1090 and 331 citations as shown in Table 3. These influential authors serve as intellectual pillars, shaping the trajectory of research and discourse in the field. It is also noteworthy that while certain authors emerge as central figures within the co-citation network, there exists a diverse array of perspectives and research paradigms represented across the network. This diversity underscores the richness and complexity of the scholarly dialogue. Additionally, the presence of clusters within the co-citation network suggests the existence of distinct research themes and subfields within the broader domain of Shariah-compliant finance.

Table 3.
Most Cited Authors in Shariah Compliance Impact on Risk, Resilience, and Performance of Firms

Author	Citations
Hassan M.K.	1090
Jensen M.C.	332
Masih M.	321
Fama E.F.	308
Hammoudeh S.	276
Ahmed H.	233
Demirguc-Kunt A.	225
Mirakhor A.	225
Bacha O.I.	209
Rabbani M.R.	207
Haron R.	203
Ashraf D.	182
Myers S.C.	178
Hussainey K.	176
Shleifer A.	176

4.1.5. Research Hotspots and Keyword Analysis

To delineate the prevailing themes and research focal points, we adopt a bibliometric approach leveraging keyword co-occurrence analysis. This method, as endorsed by Hassanein & Mostafa (2023), Unal (2021) and others, enables the identification of salient terms recurrently employed within a specific research domain, thus augmenting the scholarly discourse (Ellegaard & Wallin, 2015).

Our analysis incorporate both author keywords and index keywords, utilizing VOS viewer's "temporal display" function alongside a minimum of 10 keyword co-occurrences to scrutinize our dataset. This approach, illustrated in Figure 4, unveils critical insights: vibrant nodes in the co-word map signify the recency of topical discussions across analyzed articles, while node size indicates relative frequency. Meanwhile, the proximity and linkages in the co-citation map elucidate interrelations among topics. This temporal lens facilitates the identification of emerging research domains, often referred to as the "research front". As highlighted in Figure 4, the co-occurrence patterns within our corpus unveil burgeoning research areas and their interconnectivity, offering a comprehensive snapshot of scholarly interest. Our findings underscore "Islamic Finance" as the predominant keyword, with 105 occurrences and 93 connections to other terms. Additionally, "Corporate governance" emerge prominently with 88 links and 74 mentions.

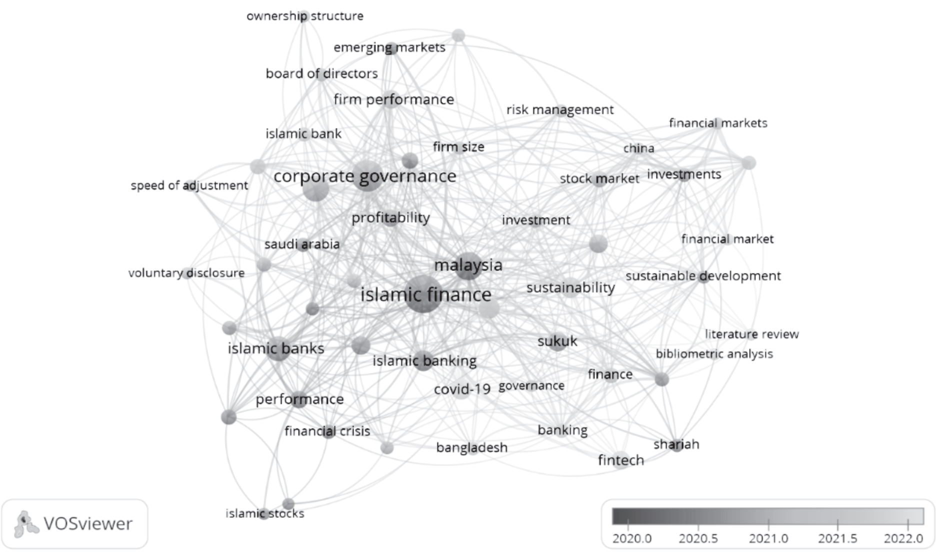

Figure 4.
Keyword Co-occurrence Network

4.1.6. Cluster Analysis

The analysis of keyword co-occurrence unveils the forefront of research, delineating topical trends within our subject domain. Utilizing cluster visualization, represented in Figure 5, offers a comprehensive overview of the intellectual landscape. Each cluster, identified through co-occurrences, comprises terms that frequently appear together, providing insights into underlying patterns. Within VOS Viewer, clusters are denoted by colors, with each point's color indicating the density of terms at that particular position within the visualization.

Figure 5.
Cluster Density Visualization

4.2. Analysis

The analysis of the number of publications related to the impact of Shariah compliance on the risk, resilience, and performance of firms reveals several noteworthy trends and insights into the scholarly discourse in this area.

The steady increase in the number of publications over the analyzed period reflects the growing interest among researchers in understanding the implications of Shariah compliance for businesses. This trend aligns with the broader expansion of Islamic finance and the increasing integration of Shariah-compliant practices into global financial markets. As Islamic finance continues to gain prominence, scholars are increasingly drawn to examining its effects on firm risk, resilience, and performance. The surge in publications observed from 2014 onwards suggests a maturation of the research agenda in this domain. There has been a notable uptick in scholarly activity, indicating a shift towards more focused and comprehensive investigations into the relationship between Shariah compliance and firm behavior. This is in great part attributed to increasing interest in Islamic finance after the 2008 financial crisis as the shortcomings of conventional financial systems became more apparent(Ahmed, 2010; Elasrag, 2010). Investors and policymakers have sought alternatives that offer more resilient and ethical solutions , leading to a heightened awareness of Islamic finance's potential (DIAW, 2015). This interest is further amplified by the European Union's adoption of the Non-Financial Reporting Directive in 2014. This directive requires large European companies to disclose their social, environmental, and governance practices, aligning with the ethical considerations inherent in Islamic finance. In the United States, while ESG reporting regulations are not as advanced as those in the EU, the announcement by the Securities Exchange Commission (SEC) in March 2021 regarding the formation of a task force on climate and ESG issues signifies a growing recognition of these matters.

The substantial increase in publications from 2020 onwards can be attributed to several factors, notably the evolution of regulations and standards regarding sustainability. The European regulation on the disclosure of information related to sustainable development (EU Taxonomy), which came into effect in July 2020, has provided a framework for determining which investments are sustainable. This regulation compels companies to disclose information regarding their compliance with defined sustainability criteria. Additionally, there is growing pressure from investors and stakeholders for companies to demonstrate sustainable and responsible business practices. Shariah compliance is often considered a significant aspect of sustainability for companies (Nasir et al., 2021). Moreover, there is an increased awareness of the importance of adhering to ethical and Shariah compliant standards in business operations.

The peak in publications observed in 2023 underscores the contemporary relevance and urgency of understanding the impact of Shariah compliance on firms, particularly in the face of global economic challenges and market disruptions. The COVID-19 pandemic, in particular, have stimulated research interest in resilience and risk management strategies within the context of Islamic finance. Scholars have sought to investigate how Shariah-compliant firms navigate crises and adapt to changing market conditions, shedding light on the resilience-enhancing mechanisms inherent in Islamic financial practices (Asadov, 2022; Hasan et al., 2022; Zulbetti & Muzaffirah, 2023).

The analysis of the most cited journals reveals a diverse scholarly landscape in research about the impact of Shariah compliance on risk, resilience, and performance of firms. The dominance of prestigious journals like the *Journal of Banking and Finance* and *Journal of Islamic Accounting and Business Research* underscores the significance of this area of inquiry within the broader field of finance and Islamic studies. The high citation counts for these journals reflect their pivotal role in disseminating key research findings and shaping academic discourse in this domain. Moreover, the inclusion of journals such as the *Journal of Sustainable Finance and Investment* and *Research in International Business and Finance* suggests a growing interest in sustainability and international business dimensions of Sharia-compliant practices. This shift highlights an increasing recognition of the relevance of Shariah compliance in addressing global sustainability challenges and enhancing international business practices. For instance, the *Journal of Sustainable Finance and Investment* focuses on the integration of sustainability considerations into financial decision-making, aligning with the ethical and social responsibility aspects of Shariah compliance. The presence of journals from various publishers, including Elsevier, Emerald Publishing, Springer Nature, and Taylor & Francis, reflects the interdisciplinary nature of research in this domain and highlights the collaborative efforts among scholars and practitioners to explore the multifaceted implications of Shariah compliance on companies' risk, resilience, and performance. This diverse journal representation not only highlights the relevance of Shariah compliance across multiple academic disciplines but also underscores the collaborative nature of current research efforts. The interdisciplinary approach facilitates a more comprehensive understanding of how Shariah compliance influences firm dynamics and aligns with broader trends in sustainability and ethical business practices.

The distribution of publications among countries reveals a global interest in this research topic. Malaysia emerges as the leading contributor, reflecting its prominent role in Islamic finance and its efforts to promote Sharia-compliant practices. This prominence is largely due to Malaysia's well-established regulatory framework for Islamic finance, which fosters a supportive environment for academic inquiry. The country's significant investments in Shariah-compliant financial products and active promotion of Islamic finance both domestically and internationally contribute to its leading research output (Kassim, 2016). Key factors include Malaysia's strategic initiatives such as the International Shariah Research Academy (ISRA), which advances scholarly research, and its robust government policies that promote Islamic finance education and international engagement (P. Y. Lai & Samers, 2017). The supportive regulatory environment and substantial investments in Islamic finance provide a strong foundation for high research productivity and influence in this field.

Indonesia's growing contribution to research on Shariah compliance is closely tied to its rapid expansion in Islamic finance. This growth is fueled by strategic government initiatives, such as the National Strategy for Financial Inclusion, which seeks to integrate Islamic finance into the wider financial system. The Indonesian Financial Services Authority's active promotion of Shariah-compliant products, coupled with rising demand from the country's large Muslim population, underscores Indonesia's increasing prominence in this research area.

The presence of the United States, the United Kingdom, and other Western countries underscores the global relevance of Shariah-compliant finance. This interest reflects broader trends in the adoption of ethical investment practices and the integration of sustainability into financial decision-making. The increasing focus on Environmental, Social, and Governance (ESG) criteria in Western markets parallels the ethical and social responsibility aspects emphasized in Shariah-compliant finance. Countries like Saudi Arabia, Pakistan, and the United Arab Emirates highlight the importance of Islamic finance in the Middle East and South Asia. These countries are pivotal in advancing the field due to their historical and economic ties to Islamic finance. Their significant investments in Shariah-compliant financial infrastructure and research initiatives contribute to their high publication output. For example, Saudi Arabia's Vision 2030 includes plans to enhance its Islamic finance sector, further driving research and development in this area. Additionally, the inclusion of emerging economies such as India, China, and Bangladesh signifies a widening scope of research interest beyond traditional Islamic finance hubs. These countries are increasingly recognizing the potential of Islamic finance to address financial inclusion and socio-economic development challenges. Their growing research output reflects an expanding interest in understanding how Shariah compliance can contribute to economic development and financial stability in diverse contexts.

Overall, the distribution of publications reflects a diverse and geographically widespread engagement with the intersection of Shariah compliance and firm dynamics. The global spread of research underscores the universal relevance of Shariah-compliant finance and highlights varying regional drivers that influence publication patterns.

The analysis of author influence through co-citation provides valuable insights into the multifaceted nature of scholarly inquiry into the impact of Shariah compliance on the risk, resilience, and performance of firms. By examining the co-citation patterns among authors, we can identify key thought leaders whose contributions have shaped the discourse and informed subsequent research endeavors in this field. Moreover, the presence of cohesive clusters or groupings within the co-citation network reflects the existence of distinct research themes or subfields within the broader domain of Shariah-compliant finance. Authors within the same cluster share common research interests, theoretical perspectives, or methodological approaches, contributing to the formation of cohesive intellectual communities within the discipline. Through our investigation we found 4 clusters presented in Table 4.

Table 4.
Clusters of Most Cited Authors

Cluster	Main Items
Cluster 1	• Abdul-Rahim R. • Fama E.F. • French K.R. • Hair J.F. • Haron R. • Hussainey K. • Jensen M.C. • Modigliani F. • Myers S.C. • Shleifer A. • Yong O.
Cluster 2	• Ahmed H. • Asutay M. • Beckt. • Chapra M.U. • Demirguc-Kunt A. • Iqbal Z. • Mirakhor A. • Mohamad S. • Molyneux P.
Cluster 3	• Alam N. • Ashraf D. • Azmat S. • Bacha O.I. • Brown K. • Hammoudeh S. • Masih M. • Saiti B. • Weill I.
Cluster 4	• Hassan M.K. • Khan A. • Khan S. • Paltrinieri A. • Rabbani M.R.

Cluster 1 amalgamates seminal thinkers in financial theory and corporate finance, alongside researchers who have explicitly explored Islamic finance. Scholars like Fama E.F., French K.R., Jensen M.C., Modigliani F., and Myers M.C. have laid the groundwork in understanding market behaviors, asset pricing, and corporate finance strategies that are crucial for analyzing the financial structure and performance of any firm, including Shariah-compliant ones. The inclusion of Abdul-Rahim R., Haron R., and Yong O. suggests an application of these foundational theories to contexts specific to Islamic finance, potentially examining how Shariah compliance influences firm performance, capital structure, and market behavior. Hair's expertise in multivariate data analysis could indicate a methodological approach to dissecting these financial phenomena, while Shleifer A.'s work on corporate governance and behavioral finance may illuminate the unique dynamics within Shariah-compliant firms.

Cluster 2 focuses intensely on Islamic economics and finance, featuring scholars such as Ahmed H., Asutay M., Chapra M.U., Iqbal Z., Mirakhor A., and Mohamad S., who are pivotal in articulating the principles and operational mechanisms of Islamic finance. Their research spans the development of Shariah-compliant financial products, Islamic banking efficiency, and the broader implications of Islamic finance on economic development and financial inclusion. This cluster's work is fundamental to understanding how Islamic finance can serve as a mechanism for enhancing the resilience and risk management of firms by adhering to ethical and sustainable finance principles, offering a stark contrast to conventional financial systems.

Cluster 3 delves into the specifics of risk management and market dynamics. Researchers like Alam N., Ashraf D., Azmat S., and Bacha O.I. contribute significantly to the conversation on how Shariah-compliant financial instruments can mitigate risk and enhance the stability of financial markets. The presence of Brown K. and Hammoudeh S. suggests an interest in the behavior of financial markets under Islamic finance principles, while Masih and Saiti's econometric analyses provide a quantitative backing to these explorations.

Cluster 4 authors, including Hassan M.K., Khan A., Khan S., Paltrinieri A., and Rabbani M.R., offer an empirical lens on Islamic banking and finance, scrutinizing its socio-economic implications and its role in fostering innovation and financial stability. Their work likely addresses the practical outcomes of Shariah compliance in banking operations, its impact on firm performance, and its contribution to financial market resilience. This cluster's empirical focus provides valuable real-world evidence of Islamic finance's theoretical principles in action, offering insights into best practices, challenges, and opportunities within Shariah-compliant financial management.

These observations underscore the ongoing evolution of research agendas and the collaborative efforts of scholars from diverse geographical and disciplinary backgrounds. As researchers continue to explore new avenues of investigation and engage in interdisciplinary dialogue, the co-citation network serves as a valuable tool for mapping the intellectual landscape, identifying emerging trends, and fostering collaboration among scholars dedicated to advancing knowledge in this critical domain. By integrating insights from co-citation analysis into the analysis and discussion section of our study, we can contextualize our findings within the broader scholarly discourse, elucidate the intellectual foundations of our research, and identify opportunities for future inquiry and collaboration.

The keyword analysis reveals several prominent themes and areas of research. The most frequently occurring keywords provide insight into the primary topics that have garnered attention from scholars and practitioners in this field. At the forefront "Islamic finance," indicates a significant focus on the principles and practices of Islamic financial systems. This is closely followed by keywords such as "corporate governance," "capital structure," and "sustainability," underscoring the importance of governance frameworks, financial structures, and sustainable business practices within Shariah-compliant contexts.

The occurrence of keywords related to specific regions, such as "Malaysia," "Indonesia," and "Saudi Arabia," suggests a regional focus in the research, reflecting the varying regulatory environments and market dynamics across different countries. Additionally, keywords like "COVID-19" and "financial crisis" highlight the impact of external shocks and economic events on Shariah-compliant firms.

Other notable keywords include "Islamic banks," "sukuk," "firm performance," and "financial performance," indicating a strong emphasis on the operational and financial aspects of Islamic financial institutions and firms. Moreover, terms like "fintech" and "Islamic stocks" point towards emerging trends and innovative practices within the Islamic finance industry.

Overall, the keyword analysis provides a comprehensive overview of the research landscape, highlighting key themes, regional focuses, and emerging areas of interest. These insights can inform further research directions, policy development, and practical applications in Islamic finance and business. The cluster analysis shows the main themes and trends related to the impact of shariah compliance on risk, resilience, and performance of firms. Using VOS viewer and the Scopus database, we conducted keyword clustering with a minimum occurrence threshold of 10, resulting in the formation of 5 distinct clusters. To enhance clarity, we assigned labels to each cluster in addition to the default color coding provided by VOS viewer. These labels were carefully chosen to succinctly describe the thematic focus of each cluster, facilitating a more intuitive categorization of the elements within. These cluster labels are presented in Table 5.

Table 5.
Clusters of Most Occurrent Keywords

Cluster	Main Items	Cluster Label
Cluster 1	• Capital structure • Financial performance • Firm size • Islamic banks • Panel data • Profitability • Shariah compliance • Speed of adjustment • Voluntary disclosure	Shariah Compliance and Financial Performance
Cluster 2	• COVID-19 • Financial crisis • Resilience • Governance • Islamic finance • Islamic stocks • Leverage performance • Shariah-compliant • Sukuk • Volatility	Shariah Compliance and Resilience in Times of Crisis
Cluster 3	• Commerce • Financial market • Firm value • Investment • Risk management • Stock market	Shariah Compliance and Financial Risk Management

Table 5.
Clusters of Most Occurrent Keywords (Continued)

Cluster	Main Items	Cluster Label
Cluster 4	• Banking • Corporate social responsibility • Finance • Fintech • Shariah • Sustainability • Sustainable development	Shariah Compliance and Ethical Finance for Sustainable Development
Cluster 5	• Agency theory • Board of directors • Corporate governance • Earnings management • Emerging markets • Firm performance • Islamic bank • Islamic banking • Islamic financial institution • Ownership structure • Shariah governance	Shariah Compliance,Corporate Governance and Firm Performance

Cluster 1: Shariah Compliance and Financial Performance: Within the Islamic finance landscape, Shariah compliance and financial performance are intricately linked (Pepis & de Jong, 2019). This relationship encompasses diverse industries such as investment, insurance, and commerce. Within this framework, businesses operating in accordance with Shariah guidelines navigate a distinct set of principles governing their financial activities. These principles include prohibitions on interest-based transactions (riba) and speculative activities (gharar). On one hand, adhering to Shariah principles can enhance the reputation and credibility of businesses, fostering trust among stakeholders including customers, investors, and regulatory authorities (Asiyah et al., 2014.). This trust can translate into tangible benefits such as increased market share, access to Islamic finance instruments, and lower costs of capital (Ali, 2017). On the other hand, Shariah compliance may also pose challenges that impact financial performance. Businesses operating under Shariah guidelines may face constraints in terms of product offerings, market opportunities, and investment strategies (Talib et al., 2024).

Cluster 2: Shariah Compliance and Resilience in Times of Crisis: This cluster examines the relationship between Shariah compliance and resilience specifically during times of crisis, such as the 2008 financial crisis and COVID-19 pandemic. Shariah-compliant practices, such as risk-sharing and asset-backed financing, enhance the stability of Islamic finance institutions (Firdaus, 2023). During the 2008 financial crisis, the tangible nature of Shariah-compliant assets saved Islamic finance institutions (Kayed & Hassan, 2011). By prioritizing transparency, accountability, and ethical conduct, Shariah-compliant institutions foster trust among stakeholders, which in turn bolsters their resilience to external shocks. Furthermore, resilient Islamic finance institutions demonstrate innovation and adaptability in their response to crises (Rabbani et al., 2021).

Cluster 3: Shariah Compliance and Financial Risk Management: The impact of Shariah compliance on the risk of firms is a multifaceted subject, reflecting the unique challenges and opportunities. By adhering to Shariah law, firms commit to avoiding interest (riba) and speculative activities (maysir), which fundamentally alter their approach to financial management and risk exposure (Uddin, 2015). This avoidance of interests reduces leverage, which might lower financial risk by decreasing the possibility of insolvency during economic downturns. However, it also limits firms' ability to raise capital through traditional means, potentially affecting their growth opportunities and operational flexibility (El Alaoui et al., 2016). Moreover, the requirement for assets to back financial transactions encourages investment in real economic activities and reduces exposure to speculative and high-risk financial products (Adrian et al., 2015). Shariah compliance fosters a risk-sharing that promotes financial stability by distributing risk more equitably among financial participants, potentially reducing systemic risk (Sheikh & Ali, 2024).

Cluster 4: Shariah Compliance and Ethical Finance for Sustainable Development: This cluster underscores the nexus between Shariah compliance, ethical finance, and sustainable development. Shariah compliance serves as a cornerstone for ethical finance practices within banking and financial sectors. Shariah-compliant firms integrate CSR initiatives into their operations, addressing social and environmental concerns while promoting economic development and community welfare (Azam et al., 2019). Finance and fintech innovations enable Islamic finance institutions to streamline processes, expand financial inclusion, and promote sustainable development goals (Unal, 2021). Shariah-compliant investments prioritize projects that contribute to environmental stewardship, social equity, and economic prosperity, fostering resilience and sustainability within firms and communities (Tok & Yesuf, 2022).

Cluster 5: Shariah Compliance, Corporate Governance and Firm Performance: Shariah governance significantly influences the corporate performance of Islamic financial institutions by merging traditional governance mechanisms with Islamic finance principles (Jan et al., 2021; Mahsoon, 2023).

Boards that incorporate the expertise of Shariah scholars alongside seasoned industry professionals enhance governance effectiveness, promoting ethical conduct and robust risk management (Sueb et al., 2022). Transparent ownership structures and independent boards mitigate agency conflicts, strengthening resilience and ethical standards (Ayub et al., 2024).

Agency theory delves deeper into the dynamics between principals (shareholders) and agents (management), highlighting how Shariah governance mechanisms, such as Shariah supervisory boards that monitor management to ensure alignment with Shariah principles, protecting stakeholders' interests and promoting fairness (Safieddine, 2009).

V. CONCLUSION AND RECOMMENDATIONS

5.1. Conclusion

This article conducts a comprehensive overview of the impact of Shariah compliance on the risk, performance, and resilience of firms within the realm of

Islamic finance. Through meticulous examination of scholarly publications, key trends, and thematic clusters, this study has unearthed valuable insights into the intricate interplay between Shariah principles and organizational dynamics.

The escalating scholarly interest, particularly evident in the surge of publications from 2014 onwards and peaking in 2023, mirrors the growing recognition of Shariah compliance's pivotal role amidst global economic complexities, notably underscored by events such as the COVID-19 pandemic. This trend signifies a deepening understanding and acknowledgment of Shariah-compliant practices as not only ethically imperative but also strategically advantageous for firms navigating contemporary challenges. Furthermore, the global distribution of research contributions underscores the universal relevance of Shariah compliance, with Malaysia, Indonesia, and Western countries actively engaging in scholarly discourse. This geographical diversity highlights the broad scope of inquiry into Islamic finance and emphasizes the necessity of considering regional nuances in future research and regulatory frameworks. The identification of influential authors and cohesive research clusters illuminates the collaborative nature of scholarly inquiry, fostering interdisciplinary dialogue and propelling the evolution of research agendas.

Moreover, the keyword and cluster analyses offer actionable insights into emerging themes and areas ripe for further exploration, ranging from Shariah governance and corporate performance to the intersection of Islamic finance with sustainability and fintech innovations.

5.2. Recommendations

Future research endeavors could focus on in-depth case studies and empirical analyses to explore the practical implications of Shariah compliance on firm performance, risk management, and resilience. Such studies should span across different industries and geographic regions to provide comprehensive insights into the challenges and opportunities faced by organizations operating within Shariah-compliant frameworks. Additionally, investigating the impact of technological advancements, such as blockchain and artificial intelligence, on the implementation and enforcement of Shariah-compliant practices is crucial. Understanding how these technologies can facilitate transparency, streamline compliance processes, and enhance the efficiency of Shariah-compliant financial transactions will be essential for adapting to the evolving landscape of Islamic finance. Furthermore, exploring the role of fintech innovations in expanding access to Shariah-compliant financial products and services, particularly in underserved markets, can contribute to financial inclusion and socioeconomic development within Muslim-majority countries and beyond.

For practitioners, the alignment of financial processes with Shariah principles, including ethical and religious imperatives, is crucial. Emphasizing transparency and accountability is essential for maintaining and enhancing stakeholder trust. Such adherence not only upholds the integrity of Islamic finance but also strengthens the reputation and competitiveness of Shariah-compliant institutions in the global market. Regulators, meanwhile, have a critical role in establishing frameworks that promote ethical conduct and robust risk management within Islamic finance.

These frameworks should be tailored to address both conventional financial risks and those specific to Shariah compliance, ensuring that Islamic finance institutions operate within a stable and resilient regulatory environment. Effective regulatory standards must be both rigorous and flexible, accommodating the unique aspects of Islamic finance while fostering market stability.

Collaboration between practitioners and regulators is imperative to ensure that regulatory standards are both practical and aligned with Shariah principles. Such collaboration helps to create a regulatory environment that not only facilitates compliance but also enhances investor confidence and market integrity.

Additionally, policymakers and financial authorities, including Bank Indonesia, could benefit from these insights by refining regulations and guidelines that balance ethical considerations with financial stability. By adopting a proactive approach to integrating Shariah compliance into the broader financial system, these entities could play a pivotal role in advancing the Islamic finance industry while safeguarding against potential risks.

REFERENCES

Abdul Wahab, H. (2021). Investigating the influence of shariah compliance on the level of currency exposure across time scales: An application of the wavelet approach. *MATEMATIKA*, *37*(1), 1–13.

Adrian, T., Covitz, D., & Liang, N. (2015). Financial stability monitoring. *Annual Review of Financial Economics*, *7*(Volume 7, 2015), 357–395.

Agha, S. E. U., & Sabirzyanov, R. (2015). Risk management in Islamic finance: An analysis from objectives of shari'ah perspective. *International Journal of Business, Economics and Law*, *7*(3), 46-52.

Ahmed, A. (2010). Global financial crisis: An Islamic finance perspective. *International Journal of Islamic and Middle Eastern Finance and Management*, *3*(4), 306–320.

Akkas, E., & Al Samman, H. (2021). Are Islamic financial institutions more resilient against the COVID-19 pandemic in the GCC countries? *International Journal of Islamic and Middle Eastern Finance and Management*, *15*(2), 331–358.

Al Rahahleh, N., Ishaq Bhatti, M., & Najuna Misman, F. (2019). Developments in risk management in Islamic finance: A review. *Journal of Risk and Financial Management*, *12*(1), 37. https://doi.org/10.3390/jrfm12010037

Alam, A., Ratnasari, R. T., Jannah, I. L., & El Ashfahany, A. (2023). Development and evaluation of Islamic green financing: A systematic review of green sukuk. *Environmental Economics*, *14*(1), 61-72.

Ali, S. N. (2017). Building trust in Islamic finance products and services. *Society and Business Review*, *12*(3), 356–372.

Alshater, M. M., Hassan, M. K., Khan, A., & Saba, I. (2020). Influential and intellectual structure of Islamic finance: A bibliometric review. *International Journal of Islamic and Middle Eastern Finance and Management*, *14*(2), 339–365.

Aroof, D. L., Fakhruddin, I., Kusbandiyah, A., & Hapsari, I. (2023). The influence of intellectual capital, shariah compliance and Islamicity performance index on the financial performance of Islamic commercial banks. *Jurnal Multidisiplin Madani*, *3*(3), 529-540.

Asadov, A. I. (2022). Covid-19 and resilience of islamic home financing: Enhanced musharakah mutanaqisah (EMM) model as an example. In M. Kabir Hassan, A. Muneeza, & A. M. Sarea (Eds.), *Towards a post-covid global financial system* (pp. 71–90). Emerald Publishing Limited. https://doi.org/10.1108/978-1-80071-625-420210004

Asiyah, S., Hadiwidjojo, D., Sudiro, A., & Ashar, K. (2014). Relationship between shariah principles adherence, corporate social responsibility, trust and customer loyalty: Theoretical study at Indonesia BMT. *International Journal of Business and Management Invention*, *3*(10), 36-46.

Ayub, M., Hassan, M. K., & Saba, I. (2024). Revisiting the paradigm of Sharī◎ah governance of Islamic financial institutions. *Journal of Islamic Accounting and Business Research*, *15*(8), 1245-1265.

Azam, M., Akhtar, J., Ali, S. A., & Mohy-Ud-Din, K. (2019). The moderating role of Shariah compliance on the relationship between firm profitability and CSR activities: An ethical obligation. *International Journal of Ethics and Systems*, *35*(4), 709–724.

Bakar, N. A., Zaki, S. N. A., Jaafar, M. N. S., Yusoff, M. I., Ghani, M. G. A., & Bakar, N. A. H. A. (2023). The impact of shariah non-compliant risk on stock return in Malaysia. *International Journal of Academic Research in Accounting, Finance and Management Sciences*, *13*(2), 22–35.

Bayram, K., Shahwan, S. B., & Ergun, H. (2023). Managing shariah non-compliance risk: construction of a low-risk shariah-compliant portfolio using the black-litterman portfolio optimization modeL. *Al Qasimia University Journal of Islamic Economics*, *3*(1), 49–80.

Cheong, C. W. H. (2021). Risk, resilience, and Shariah-compliance. *Research in International Business and Finance*, *55*, 101313. https://doi.org/10.1016/j.ribaf.2020.101313

Cheong, C. W., Salleh, N. I., & Yuan, F. C. (2019). The complementary effects of Islam and CSR: Some empirical evidence. *Asian Journal of Finance & Accounting*, *11*(1), 1-28.

Cortelezzi, F., & Ferrari, A. (2022). *Contemporary issues in Islamic law, economics and finance: A multidisciplinary approach*. Taylor & Francis.

Das, U., & Quintyn, M. (2002). Crisis prevention and crisis management the role of regulatory governance. *IMF Working Paper No. 02/163*, Available at SSRN: https://ssrn.com/abstract=880183

DIAW, A. (2015). The global financial crisis and Islamic finance: A review of selected literature. *Journal of Islamic Accounting and Business Research*, *6*(1), 94–106.

El Alaoui, A. O., Bacha, O. I., Masih, M., & Asutay, M. (2016). Shari'ah screening, market risk and contagion: A multi-country analysis. *Journal of Economic Behavior & Organization*, *132*, 93-112.

Elasrag, H. (2010). Global financial crisis and Islamic finance (SSRN Scholarly Paper 1591563). https://doi.org/10.2139/ssrn.1591563

El-Gamal, M. A. (2006). *Islamic finance: Law, economics, and practice*. Cambridge University Press.

Ellegaard, O. (2018). The application of bibliometric analysis: Disciplinary and user aspects. *Scientometrics*, *116*(1), 181–202.

Ellegaard, O., & Wallin, J. A. (2015). The bibliometric analysis of scholarly production: How great is the impact?. *Scientometrics*, *105*, 1809-1831.

Falagas, M., Pitsouni, E., Malietzis, G., & Pappas, G. (2008). Comparison of pubmed, scopus, web of science, and google scholar: Strengths and weaknesses. *FASEB Journal: Official Publication of the Federation of American Societies for Experimental Biology*, *22*, 338–342.

Farooq, O., & Alahkam, A. (2016). Performance of shariah-compliant firms and non-shariah-compliant firms in the MENA region: Which is better? *Journal of Islamic Accounting and Business Research*, *7*(4), 268–281.

Firdaus, A. T. (2023). Implementation of prudential principles and risk management in sharia bank financial management (case study of indonesian sharia bank). *Indonesian Journal of Multidisciplinary Sciences (IJoMS)*, *2*(1), 56–65.

Franzoni, S., & Ait Allali, A. (2018). Principles of Islamic finance and principles of corporate social responsibility: What convergence?. *Sustainability*, *10*(3), 637.

Grais, W., & Pellegrini, M. (2006). *Corporate governance and shariah compliance in institutions offering islamic financial services* (SSRN Scholarly Paper 940711). https://papers.ssrn.com/abstract=940711

Guizani, M., & Abdalkrim, G. (2021). Does Shariah compliance affect corporate cash holdings and cash adjustment dynamics? Evidence from Malaysia. *Pacific Accounting Review*, *33*(4), 459–473.

Haron, R., Othman, M., Fakhrunnas, F., & Nomran, N. M. (2022). Shari'ah governance of Islamic banks: The role of shari'ah supervisory board-a bibliometric analysis. *IIUM Law Journal*, *30*(S2), 129-278.

Hartanto, A., Nachrowi, N. D., Samputra, P. L., & Huda, N. (2024). A bibliometric analysis of Islamic banking sustainability: A study based on Scopus scientific database. *Journal of Islamic Marketing*, *15*(9), 2245–2285.

Hasan, Md. B., Rashid, Md. M., Shafiullah, M., & Sarker, T. (2022). How resilient are Islamic financial markets during the COVID-19 pandemic? *Pacific-Basin Finance Journal*, *74*, 101817. https://doi.org/10.1016/j.pacfin.2022.101817

Haseeb, M., Mahdzan, N. S., & Wan Ahmad, W. M. (2022). Are Shariah-compliant firms less prone to stock price crash risk? Evidence from Malaysia. *International Journal of Islamic and Middle Eastern Finance and Management*, *16*(2), 291–309.

Hassan, M. K., & Bashir, A. H. M. (2003, December). Determinants of Islamic banking profitability. In *10th ERF annual conference, Morocco* (Vol. 7, pp. 2-31).

Hassanein, A., & Mostafa, M. M. (2023). Bibliometric network analysis of thirty years of Islamic banking and finance scholarly research. *Quality & Quantity*, *57*(3), 1961–1989.

Hayat, U., & Malik, A. (2014). *Islamic finance: Ethics, concepts, practice* (SSRN Scholarly Paper 2616257). https://papers.ssrn.com/abstract=2616257

Hoepner, A. G. F., Rammal, H. G., & Rezec, M. (2011). Islamic mutual funds' financial performance and international investment style: Evidence from 20 countries. *The European Journal of Finance*, *17*(9–10), 829–850.

Ilmi, Z. (2023). The application of fiqh principles in contemporary sharia transactions in the development of innovative products of Islamic financial institutions in Indonesia. *OECONOMICUS Journal of Economics*, *7*(2), 142-156.

Jan, A. A., Lai, F.-W., & Tahir, M. (2021). Developing an Islamic corporate governance framework to examine sustainability performance in Islamic banks and financial institutions. *Journal of Cleaner Production*, *315*, 128099. https://doi.org/10.1016/j.jclepro.2021.128099

Kamal, A. W. N. A., Arshad, A. I., Che-Yahya, N., & Alyasa-Gan, S. S. (2023). Performance of Shariah vs non-shariah firms: A study of manufacturing sector in Malaysia. *Information Management and Business Review*, *15*(1(I)SI), 149–163.

Kassim, S. (2016). Islamic finance and economic growth: The Malaysian experience. *Global Finance Journal*, *30*, 66–76.

Katterbauer, K., Syed, H., Genç, S. Y., & Cleenewerck, L. (2022). Environmental compliance and financial performance of shariah-compliant enterprises–A data-driven analysis. *Revista De Gestão Social E Ambiental*, *16*(2), e03043-e03043.

Kaya, İ. (2023). Islamic finance: Fit for purpose or mere replication? *İslam Ekonomisi Dergisi*, *3*(2), 1–18.

Kayed, R. N., & Hassan, M. K. (2011). The global financial crisis and Islamic finance. *Thunderbird International Business Review*, *53*(5), 551–564.

Mahsoon, T. H. (2023). *Shariah corporate governance and risk management in Saudi Arabian banks*. Thesis Submitted to the University of Nottingham for the Degree of Doctor of Philosophy in Finance and Risk.

Martín-Martín, A., Orduna-Malea, E., Thelwall, M., & Delgado López-Cózar, E. (2018). Google scholar, web of science, and scopus: A systematic comparison of citations in 252 subject categories. *Journal of Informetrics*, *12*, 1160–1177.

Moghul, U. F., & Safar-Aly, S. H. K. (2014). Green sukuk: The introduction of islam's environmental ethics to contemporary Islamic finance. *Georgetown International Environmental Law Review*, *27*, 1.

Mukhibad, H., & Setiawan, D. (2022). Shariah supervisory board attributes and corporate risk-taking in Islamic banks. *Cogent Business & Management*, *9*(1), 2158607. https://doi.org/10.1080/23311975.2022.2158607

Nasir, N. M., Nair, M. S., & Ahmed, P. K. (2021). Institutional isomorphism and environmental sustainability: A new framework from the Shariah perspective. *Environment, Development and Sustainability*, *23*(9), 13555–13568.

P. Y. Lai, K., & Samers, M. (2017). Conceptualizing Islamic banking and finance: A comparison of its development and governance in Malaysia and Singapore. *The Pacific Review*, *30*(3), 405–424.

Pamuji, A. E., Supandi, A. F., & Sa'diyah, M. (2022). Islamic financial institutions as strengthening the economy of the ummah (study on the application of shariah agreements in Islamic financial institutions). *OECONOMICUS Journal of Economics*, *7*(1), 24-36.

Pepis, S., & de Jong, P. (2019). Effects of Shariah-compliant business practices on long-term financial performance. *Pacific-Basin Finance Journal*, *53*, 254–267.

Qadri, H. M.-U.-D., Ali, H., Jafar, A., Tahir, A. U. M., & Abbasi, M. A. (2022). Exploring the hot spots and global trends in Takaful research through bibliometric analysis based on Scopus database (2001-2022). *Journal of Islamic Accounting and Business Research*, *15*(2), 291–305.

Rabbani, M. R., Bashar, A., Nawaz, N., Karim, S., Ali, M. A. Mohd., Rahiman, H. U., & Alam, Md. S. (2021). Exploring the role of Islamic fintech in combating the aftershocks of covid-19: The open social innovation of the Islamic financial system. *Journal of Open Innovation: Technology, Market, and Complexity*, *7*(2), 136. https://doi.org/10.3390/joitmc7020136

Rosli, N. A., Haron, H., & Shaharudin, M. S. (2022). The relationship between BOD ethical commitment and risk management and internal control system with the performance of shariah-compliant companies. *Journal of Governance and Integrity*, *5*(3), 393-407.

Saba, I., Ariff, M., & Mohd Rasid, E. S. (2020). Performance of Shari'ah-compliant and non-Shari'ah-compliant listed firms: A case study of Malaysia. *International Journal of Islamic and Middle Eastern Finance and Management*, *14*(1), 128–150.

Safieddine, A. (2009). Islamic financial institutions and corporate governance: New insights for agency theory. *Corporate Governance: An International Review*, *17*(2), 142–158.

Salsabilla, V. F., Solikhah, U., Maulina, F., Aroof, D. L., Anjani, U., & Pratama, B. C. (2022). The influence of intellectual capital and shariah compliance on social performance (study empirical on Islamic banks in 2018-2020). *Proceedings Series on Social Sciences & Humanities*, *7*, 46–55. https://doi.org/10.30595/pssh.v7i.471

Sheikh, F., & Ali, H. (2024). Islamic finance: Principles and practices. *Al-Awan*, *2*(01), 29-38.

Sholihin, M., Ali, R., & Wanto, D. (2021). 'Shariah compliance' in Islamic economics: A bibliometric analysis. *Malaysian Journal of Economic Studies*, *58*(2), 315-337.

Sueb, M., Prasojo, Muhfiatun, Syarifah, L., & Putra, R. N. A. (2022). The effect of shariah board characteristics, risk-taking, and maqasid shariah on an Islamic bank's performance. *Banks and Bank Systems*, *17*(3), 89–101.

Supriatna, A., Umiyati, & Kamal, M. (2022). The influence of sharia compliance and Islamic corporate governance on fraud. *ITQAN: Journal of Islamic Economics, Management, and Finance*, *1*(2), 68-80.

Suwito, S., Siskawati, E., & Jeandry, G. (2022). Sharia business resilience during the covid-19 pandemic: A case study of Indonesian sharia banking business. *Economics, Business, Accounting & Society Review*, *1*(2), 68-75.

Tabash, M. I., & Dhankar, R. S. (2014). The relevance of Islamic finance principles in economic growth. *International Journal of Emerging Research in Management &Technology*, *3*(2), 49-54.

Talib, A., Paturochman, I. R., Ansyori, A., & Al-Amin, A. A. (2024). Challenges and opportunities in implementing sharia principles in business management. *International Journal of Sharia Business Management*, *3*(1), 1-8.

Tok, E., & Yesuf, A. J. (2022). Embedding value-based principles in the culture of Islamic banks to enhance their sustainability, resilience, and social impact. *Sustainability*, *14*(2), 916.

Uddin, M. A. (2015, October 13). *Principles of Islamic Finance: Prohibition of Riba, Gharar and Maysir* [MPRA Paper]. https://mpra.ub.uni-muenchen.de/67711/

Unal, I. M. (2021). Fintech and blockchain in Islamic finance: A bibliometric analysis. *SSRN Electronic Journal*. https://doi.org/10.2139/ssrn.3921538

Visser, H. (2019). *Islamic finance: Principles and practice, Third Edition*. Edward Elgar Publishing.

Zulbetti, R., & Muzaffirah, A. (2023). Analyzing the financial resilience of Islamic banks in Indonesia amid the covid-19 pandemic: A comparative study of stock price dynamics. *Jurnal Ilmu Keuangan dan Perbankan (JIKA)*, *13*(1), 63-76.