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Latest Trends in Auditing by Uncovering the Digital Age and Best Practices for Efficiency and Accuracy

Ghaniya Arya Gemilang [1], Ellyona Tehilla Ganish [2], Niken Dwi Anggraeni [3], Trinandari Prasetyo Nugrahanti [4]
[1] *ABFI Perbanas Institute Jakarta, Indonesia*
[2] *ABFI Perbanas Institute Jakarta, Indonesia*
[3] *ABFI Perbanas Institute Jakarta, Indonesia*
[4] *ABFI Perbanas Institute Jakarta, Indonesia*

Corresponding Author: Ahmad Nur Huda, E-mail; ahmad.huda20@mhs.uinjkt.ac.id

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ABSTRACT

This article discusses recent developments in the field of auditing amid the rapidly evolving digital era. In the face of digital transformation, best practices in auditing to achieve higher efficiency and accuracy are the main focus. The discussion includes the application of the latest technology, audit strategies that are adaptive to digital changes, and steps to ensure accuracy in the audit process. Considering the challenges and opportunities that arise in the digital age, this article offers insight for audit professionals looking to strengthen their practices in the face of a dynamically changing business environment.

Keywords: *Audit, Digital, Efficiency*

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INTRODUCTION

The paradigm shif from conventional to technology-based auditing has changed the way companies and auditors manage, analyze, and use data to support better business decisions.

The digital age has opened a vast window of opportunity for the audit profession by introducing technological tools that are fundamentally changing the way audits are conducted (Aaij dkk., 2019). Big data analytics, artificial intelligence, process automation, and the implementation of advanced audit technologies have enabled auditors to not only access data more easily, but also to understand its context more

deeply, discover patterns not seen before, and identify risks and opportunities more quickly and efficiently.

The use of technology in auditing has also changed the way companies view the audit process (Pan dkk., 2020). In the past, audits were often perceived as time-consuming, costly, and sometimes simply a regulatory obligation. However, with the adoption of technology, audits have become more integrated into a company's business strategy (Shamzhy dkk., 2019). Audits not only look backward to find errors or discrepancies, but also provide proactive insights that enable companies to identify opportunities for improvement and growth.

The opportunities and challenges faced in this shift should also be noted. Technological advancements bring new needs to protect data security, maintain privacy, and comply with increasingly stringent regulations (Betran dkk., 2021). In addition, this digital transformation also raises the need for changes in auditor skills and education (Amorelli & García-Sánchez, 2021), ensuring that they not only have a deep understanding of technology but can also apply it appropriately in an audit context.

This extensive introduction highlights the importance of adapting to changes triggered by the digital age in auditing (Zeng dkk., 2019). In this context, best practices continue to evolve to ensure that audits are not only efficient and accurate, but also add significant value to the company and entity being audited.

The background on recent trends in auditing introduced by the digital age illustrates the dramatic evolution in audit methodologies (Greco dkk., 2020). The digital age has fundamentally changed the audit landscape by introducing advanced technologies such as big data analytics, artificial intelligence, process automation, and technology-driven auditing.

Before the digital era, audits traditionally relied on manual checks and time-consuming processes to collect data, analyze it, and identify risks and potential discrepancies (Achkari & El Fadar, 2020). However, with the advancement of technology, especially in the digital age, auditing has transformed significantly (Fegert dkk., 2020). Sophisticated audit software, artificial intelligence algorithms, and data analysis tools allow auditors to quickly access, analyze, and understand large volumes of data, which was previously difficult.

The transition to the digital age in auditing also brings new challenges (Joseph dkk., 2019). Data security, privacy, and ethics in the use of audit technology are major concerns. In addition, there are challenges related to the need to develop new skills for auditors in understanding technology, data analytics, and artificial intelligence.

In the face of the digital age, best practices in auditing promote a balance between technology and human expertise (Adegbeye dkk., 2020). Strong analytical skills remain at the core of the audit profession, while the use of technology provides powerful tools to strengthen the audit process.

Through adapting to the digital age, best practices in auditing continue to evolve to ensure that auditors can leverage the advantages of technology to improve efficiency, accuracy, and added value for the client or company being audited.

RESEARCH METHODOLOGY

The research method is one of the scientific methods formulated by researchers in obtaining existing data (Schmitz & Leoni, 2019). According to Sugiyono (2013) research methods are scientific procedures to produce data collections with specific purposes and uses (Cesar Da Silva dkk., 2021). Based on this explanation, it can be concluded that the implementation of research must pay attention to procedures that are empirical, systematic, have goals, uses, and have procedures that are in accordance with standards.

According to Kriyantono (2008: 6), qualitative research aims to explain phenomena in the deepest possible depth through the collection of the deepest possible data. Qualitative research does not prioritize population size or very limited sampling (Farid, 2023). Qualitative research emphasizes the issue of depth (quality of data rather than quantity) of data (Teguh dkk., 2023). This research was conducted to solve the problem formulations that the researchers had previously determined (Budd dkk., 2020). The data in this study is in the form of qualitative data in the form of interview results which conclusions are drawn based on the theory relevant to the interview results.

This research was conducted in Kp. Babakan Gadog, Kujangjaya Village (Ribeiro dkk., 2020), Cibeber District, Lebak Regency, Banten. The samples used in this study were parents who had children aged 5-8 years, totaling 4 people.

RESULT AND DISCUSSION

The Digital Age of Auditing

The monumental shift from conventional auditing to technology-based auditing in the digital age marks a revolution in audit practice (Budd dkk., 2020). The digital age brings fundamental changes in the way companies and auditors view, manage, and use data to conduct more effective and efficient audits.

One of the key pillars of this change is the use of big data analytics (Li dkk., 2021). Previously, audits were often constrained by limitations in data collection and analysis (Su dkk., 2019). However, with advances in technology, including developments in data analysis algorithms and specialized software, auditors can now access and analyze larger and varied volumes of data in less time (Egan, 2020). This allows auditors to gain deeper insights from data that was previously difficult to reach.

In addition to big data analytics, artificial intelligence (AI) has also become an important component of modern auditing (Golden & Kohlbeck, 2020). AI allows auditors to use algorithms and predictive models to identify patterns, anomalies, and trends in data (Truby, 2020). This capability not only speeds up the audit process but also improves accuracy in detecting risks and non-conformances.

Process automation is another aspect that is changing the way audits are conducted (Leoni dkk., 2021). Previously time-consuming and repetitive processes, such as data collection, conformance checking, and report generation, can now be automated (Basílio dkk., 2022). This frees up auditor time to focus on tasks that require

human expertise, such as interpretation of audit results, in-depth analysis, and providing strategic advice to the client or company being audited.

The use of technology in auditing not only changes the way audits are conducted, but also provides the potential to improve overall audit quality (Cesar Da Silva dkk., 2021). By using the right technology, auditors can identify risks earlier, provide more accurate information to management, and help companies to make better, data-driven decisions.

However, with all the advantages that the digital age offers in auditing also comes some challenges (Kurani dkk., 2023). Data protection, cyber security, and ethical issues surrounding the use of technology in auditing are major concerns (Kordab dkk., 2020). In addition, there is a need to ensure that auditors have the necessary skills to manage increasingly sophisticated technologies.

In conclusion, the digital age has fundamentally changed the audit paradigm. With the adoption of technologies such as big data analytics, artificial intelligence, and process automation, auditing has not only become more efficient and accurate, but it has also opened the door for new innovations in audit practices that can add value to both the company and the client being audited.

Audit Methodology Transformation

The use of technology has revolutionized audit methodologies, bringing about a significant transformation in the way auditors work and examine business entities (Pirola dkk., 2019). This includes changes in accessing, analyzing, and using data to improve efficiency, accuracy, and the ability to identify risks more quickly and effectively.

First of all, technology has provided faster and wider access to data. In the digital age, data is available in large volumes from various sources such as financial systems, customer transactions, and operational data. Technology allows auditors to collect and integrate this data more easily, which was previously difficult to do with conventional auditing. This allows auditors to have a more thorough understanding of the audited entity.

Furthermore, enhanced analytical capabilities are one of the key aspects in the transformation of audit methodologies. Technology allows auditors to analyze data in greater depth and faster. Artificial intelligence algorithms can be used to identify patterns, anomalies, and relationships that are not visible manually. As such, auditors can spot potential risks or opportunities faster and more accurately, providing deeper insights to management.

Automation is also an important part of this transformation. Previously manual audit processes, such as data collection, conformance checking, and report generation, can now be automated. This not only increases efficiency, but also minimizes human error, allowing auditors to focus on tasks that require human judgment or decisions.

In addition, technology integration also allows audits to be more responsive to changes in the business environment. Auditors can proactively monitor and evaluate

risks in real time, which enables faster reactions to changing business conditions or situations affecting the audited entity.

However, it is important to remember that changes in audit methodology are not just about technology. While technology provides powerful tools, human analytical expertise remains crucial in interpreting the results of the analysis, interpreting the business context, and providing valuable recommendations to the company.

As such, the transformation of audit methodologies through technology not only improves efficiency and accuracy, but also changes the way auditors interact with the data and entities being audited. The balance between advanced technology and human expertise is key to improving audit practices and adding substantial value to the client or company being audited.

Challenges and Opportunities

The challenges that come with the digital age in audit practice are a reflection of rapid change and rapid technological advances. One of the key challenges is data security. In accessing and using increasingly large and diversified data, auditors must ensure that the data is adequately protected from cyber security threats. This involves implementing stringent security measures to protect sensitive data, prevent unauthorized access, and avoid information leakage.

Another challenge is around data privacy. With increasingly stringent regulations related to privacy, such as GDPR in Europe or data privacy regulations in various other countries, auditors must ensure that the use of data in the audit complies with applicable privacy policies. This requires auditors to understand the relevant rules and regulations and ensure that data used in the audit is treated ethically and in accordance with applicable privacy requirements.

In addition, technological developments are also creating the need for new skills for auditors. In addition to traditional audit skills, auditors now need to have a strong understanding of technologies such as data analytics, artificial intelligence, and cyber security. These capabilities are becoming essential in managing increasingly sophisticated audit tools and technologies, as well as in interpreting the resulting data to provide valuable recommendations for the audited company.

However, despite these challenges, the digital age also opens up vast opportunities in audit practice. One of them is the potential to add value to the company. By using the right technology, auditors can provide more in-depth and timely insights to company management. This not only allows companies to identify risks earlier, but also to capture growth or efficiency opportunities that may have been missed in conventional audits.

The utilization of technology also creates opportunities to improve the efficiency of the audit process. With advanced automation and data analysis, auditors can complete audits faster and more efficiently, reducing the time and cost required. This allows for a greater focus on in-depth analysis and providing more strategic recommendations to the audited company.

In conclusion, the challenges faced in the digital age in auditing result in the need for better data protection, strict privacy compliance, and the development of new skills for auditors. However, the opportunities to add value to companies and improve the efficiency of the audit process are also significant. By addressing these challenges and capitalizing on the opportunities offered by technology, audit practices can continue to evolve and add substantial value to the business entities being audited.

Merging Technology and Human Skills

The integration of technology and human skills in audit practice is at the core of this paradigm shift in the profession. Adopting modern technologies such as big data analytics, artificial intelligence, and process automation is an important step toward improving audit efficiency and accuracy. However, in this incorporation, it is important to understand that human skills remain crucial in balancing technological capabilities.

First of all, artificial intelligence and big data analytics bring tremendous analytical power in identifying patterns, risks, and opportunities from complex data. Algorithms and predictive models used in artificial intelligence can quickly and accurately analyze big data, providing deep insights to auditors. However, human expertise is required in interpreting the results of these analyses, considering the business context, and making informed decisions.

In addition, process automation is an important element in improving audit efficiency. Repetitive and time-consuming processes can be automated using technology, freeing up auditors' time to focus on tasks that require human skills such as risk assessment, data interpretation, and providing strategic recommendations.

However, human skills should not be neglected in this use of technology. Auditors must still have the ability to manage, interpret, and validate the results of technology analysis. These skills include the ability to identify anomalies or errors in the data, understand the business context, and translate technical information into recommendations that management can understand.

The importance of the balance between artificial intelligence and human expertise in auditing is to ensure that technology is used as a tool to support human decisions, not as a substitute for them. While technology can produce sophisticated analysis, final decisions and recommendations still require intelligent human judgment and decision-making based on context and experience.

In conclusion, the combination of technology and human expertise is key to improving efficiency and accuracy in auditing. Auditors who are skilled in using technology wisely to optimize the audit process, while maintaining their human capabilities, will be able to add significant value to the client or company being audited.

Evolution of Best Practices

The evolution of best practices in auditing is a response to evolving technological changes, which significantly impact the way audit practices are conducted. In the face of the digital revolution, audit continues to adapt to these changes, focusing on strategies to ensure relevance, effectiveness, and add significant value to the client or company being audited.

One of the key evolutions is the adoption of technology in auditing. These changes include the use of big data analytics, artificial intelligence, and process automation in order to improve audit efficiency and accuracy. Best practices in this regard involve developing a technology infrastructure that enables auditors to access, manage, and analyze data more efficiently, while ensuring data security and privacy.

In addition, this evolution also includes the development of new skills for auditors. In the face of advancing technology, auditors must constantly update and improve their capabilities, both in terms of technical skills such as data analysis and in understanding the impact of technology on the audit process.

Best practice also involves developing innovative audit methodologies. This includes strategies to ensure that audits not only look for errors or discrepancies, but also provide proactive insights to company management. The ability to provide more strategic recommendations based on in-depth data analysis is an integral part of this evolution.

In addition, best practices in auditing also include a focus on quality and transparency. Auditors need to ensure that their audit processes are not only efficient but also meet high quality standards, providing confidence to the company's stakeholders.

However, in the face of this evolution, it is important not to lose the essence of the audit practice itself. Although technology plays a growing role in modern auditing, human analytical skills, judgment, and interpretation remain invaluable in generating meaningful recommendations and solutions for the audited company.

As such, the evolution of best practices in auditing is about integrating advanced technology with human skills, developing innovative methodologies, increasing transparency, and still ensuring that audits remain relevant and add significant value to the client or company being audited. It is an ongoing journey amidst changes in the business and technology environment.

CONCLUSION

The cover reflects on the evolutionary journey of audit and how best practices continue to evolve to address the challenges and capitalize on the opportunities offered by the digital age.

First of all, it reflects on how the digital age has substantially changed the audit landscape. With the adoption of technologies such as big data analytics, artificial intelligence, and process automation, auditing has undergone changes in the way data is collected, analyzed, and used to provide deeper insights to the companies being audited.

Highlighting that technology is not the only key in improving audit practices. The importance of human analytical expertise should not be overlooked. Amidst rapid technological advancements, strategic decisions and contextual interpretations still require savvy human skills, experience, and a deep understanding of business dynamics.

Auditing continues to move towards a future that is more integrated between technology and human expertise. This emphasizes the importance of striking the right balance between artificial intelligence and human expertise in the audit process to

maximize efficiency, accuracy, and add significant value to the client or company being audited.

The digital age continues to evolve, and audit must remain responsive to technological advances, evolving regulations, and changing business needs. This emphasizes the need for flexibility and readiness to continuously learn, develop new skills, and integrate innovation into the audit practice.

In conclusion, this cover illustrates that the future of auditing lies in the harmonious collaboration between advanced technology and strong human analytical skills. It is not just about adopting technology, but also about understanding how best to use it, managing it wisely, and integrating it in an audit context that is relevant and meaningful to the organization. This will take audit in a direction that is more progressive, adaptive, and adds significant value to business stakeholders in the future.

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