

2023). This model's development is anticipated to remove time-consuming auditor and auditee meetings that are occasionally skipped because of the busy schedules of each on other primary and supplementary tasks, standardize question types for each auditor, allow for more flexibility in internal quality audit activities while allowing the AMI schedule's time limit to be adjusted, prevent document loss, and avoid upload-download activities using Google Drives that cannot guarantee data security. With an interactive schedule display, users may easily access the ongoing schedule of events on the dashboard. Because it intends to serve as a "friend" for auditors and auditees, this model has been designed with useful features and an intuitive user interface (Herpendi et al., 2024; Rani Febriyanti & Irawan, 2020). Another advantage of this model development plan is two notifications: first, to send announcements of activity stages to each user; second, to send reminder notifications only to users who have not responded to conduct internal quality audits according to the applicable Decree and Service Note. This feature is handy for managers in the Quality Assurance Unit to reduce the risk of human error, forgetfulness, and delays in AMI execution and data collection.

D. Conclusions

Preventive measures are needed to prevent the potential for unmeasured quality of education according to the Regulation of the Minister of Education and Culture Number 3 of 2020 concerning National Standards for Higher Education and the Regulation of the Ministry of Research, Technology and Higher Education Number 62 of 2016 concerning the Higher Education Quality Assurance System as stated in the Decree of the Director of the Palembang Aviation Polytechnic Number: SK.72/Poltekbang-Plg.2020 concerning Internal Quality Assurance Standards. Internal quality audit evaluation on the achievement of education management standard values has not been implemented because SPMI is currently focused on AMI BAN-PT, the output of which is accreditation. The measured value of the projected achievement of learning management standards in the internal quality assurance system quality document is 100%. However, until now, the achievement value has not been explicitly measured because it is still focused on AMI-SN Dikti. The potential problems that exist are the limited number of SPMI team human

resources, auditors, and auditees; the workload is quite dense so that it makes it challenging to meet between auditors and auditees; the lack of understanding and competence of SPMI, auditors, and auditees regarding standard indicators.

As recommendations here is a need for an effective internal quality management model to improve learning management by covering all the needs of auditors and auditees by being a reminder of the AMI implementation schedule, reducing the number of meetings due to the busyness of each auditor and auditee, facilitating the implementation of AMI with clear and concise assessment indicators and facilitating the SPMI team in preparing the AMI based on National Higher Education Standards results in the report because the scoring of the standard indicator assessment is evident in the form of a platform or application that supports the process of collecting, storing, and managing data and information on website-based internal quality management system services to support fast, precise, and efficient internal quality management system integration. This application includes services at the stages of the internal quality audit, including the preparation, implementation, and evaluation stages. This application manages the information you want to disseminate to auditors and auditees while disseminating the information in real-time via WhatsApp messages integrated with the application to accelerate response and feedback on both parties.

E. Acknowledgement

We would like to express our gratitude to all respondents involved in this research so that this research report can be completed properly.

References

- Abdullah, R., Ismail, Z., & Smith, M. (2018). Audit committees' involvement and the effects of quality in the internal audit function on corporate governance. *International Journal of Auditing*, 22(3). <https://doi.org/10.1111/ijau.12124>
- Afriliani, K., Zuliani, R., & Wibisana, N. E. (2021). Analisis Kesalahan Pola Kalimat Bahasa Indonesia pada Karangan Narasi Kelas IV SD Negeri Kunciran 07. *Nusantara*, 3(3).
- Al-Amri, A. S., Mathew, P., Zubairi, Y. Z., & Jani, R. (2020). Optimal Standards to Measure the Quality of Higher Education Institutions in

- Oman: Stakeholders' Perception. *SAGE Open*, 10(3).
<https://doi.org/10.1177/2158244020947440>
- Alderman, G. (2010). Reflections: Change, quality and standards in british higher education. *Journal of Change Management*, 10(3).
<https://doi.org/10.1080/14697017.2010.493288>
- Alqudah, H., Lutfi, A., abualoush, S. habis, Al Qudah, M. Z., Alshira'h, A. F., Almaiah, M. A., Alrawad, M., & tork, M. (2023). The impact of empowering internal auditors on the quality of electronic internal audits: A case of Jordanian listed services companies. *International Journal of Information Management Data Insights*, 3(2).
<https://doi.org/10.1016/j.jjime.2023.100183>
- Alzafari, K., & Ursin, J. (2019). Implementation of quality assurance standards in European higher education: does context matter? *Quality in Higher Education*, 25(1).
<https://doi.org/10.1080/13538322.2019.1578069>
- Andie, A., Hasbi, M., & Hasanuddin, H. (2021). Sistem Informasi Audit Mutu Internal (SIAMI). *Technologia: Jurnal Ilmiah*, 12(2).
<https://doi.org/10.31602/tji.v12i2.4758>
- Anto, L. O., & Yusran, I. N. (2023). Determinants of The Quality of Financial Report. In *International Journal of Professional Business Review* (Vol. 8, Issue 3). <https://doi.org/10.26668/businessreview/2023.v8i3.1331>
- Arifudin, O. (2019). Manajemen Sistem Penjaminan Mutu Internal (Spmi) Sebagai Upaya Meningkatkan Mutu Perguruan Tinggi. *Jurnal Ilmiah MEA*, 3(1).
- Asiyai, R. I. (2020). Best practices for quality assurance in higher education: implications for educational administration. *International Journal of Leadership in Education*.
<https://doi.org/10.1080/13603124.2019.1710569>
- Aurellia, A. (2022). *Evaluasi adalah: Tahapan, Tujuan, dan Fungsinya*. Detik.Com.
- Azainil, Z. Z. Z., Haryaka, U., & Ramadiani, Z. Z. Z. (2020). Evaluation policy on quality assurance systems at faculty of teacher training and education mulawarman university samarinda. *Proceedings of the International Conference on Industrial Engineering and Operations Management*, 0(March).
- Bakhmat, N., Voropayeva, T., Artamoshchenko, V., Kubitskyi, S., & Ivanov, G. (2022). Quality Management in Higher Education in Terms of Sustainable Development. *International Journal for Quality Research*, 16(4). <https://doi.org/10.24874/IJQR16.04-10>
- Bani Ahmad (Ayassrah), A. Y. A., Bani Atta, A. A. M., Alawawdeh, H. A., Aljundi, N. A., Morshed, A., Dahbour, S. A., & Alqaraleh, and M. H. (2023). The Effect of System Quality and User Quality of Information Technology on Internal Audit Effectiveness in Jordan, And the

- Moderating Effect of Management Support. *Applied Mathematics and Information Sciences*, 17(5). <https://doi.org/10.18576/AMIS/170512>
- Baro'ah, S. (2020). Kebijakan Merdeka Belajar Sebagai Peningkatan Mutu Pendidikan. *Jurnal Tawadhu*, 4(1).
- Brooks, C. (2021). The quality conundrum in initial teacher education. *Teachers and Teaching: Theory and Practice*, 27(1–4). <https://doi.org/10.1080/13540602.2021.1933414>
- Fiandi, A. (2023). Implementasi Standar Mutu Dan Sasaran Mutu Pada Lembaga Pendidikan. *EduTeach: Jurnal Edukasi Dan Teknologi Pembelajaran*, 4(1). <https://doi.org/10.37859/eduteach.v4i1.4431>
- Gamage, K. A. A., Dehideniya, S. C. P., Xu, Z., & Tang, X. (2023). Contract cheating in higher education: Impacts on academic standards and quality. *Journal of Applied Learning and Teaching*, 6(2). <https://doi.org/10.37074/jalt.2023.6.2.24>
- Grudowski, P., & Szczepańska, K. (2021). Quality gaps in higher education from the perspective of students. *Foundations of Management*, 13(1). <https://doi.org/10.2478/fman-2021-0003>
- Gustini, N., & Mauliy, Y. (2019). Impelemtasi Sistem Penjaminan Mutu Internal dalam Meningkatkan Mutu Pendidikan Dasar. *Jurnal Isema: Islamic Educational Management*, 4(2). <https://doi.org/10.15575/isema.v4i2.5695>
- Hasim, H., Hasniah, H., & Arsyam, M. (2021). Teknik Dan Bentuk Evaluasi Hasil Belajar. *Sekolah Tinggi Agama Islam (STAI) Darul Dakwah Wal-Irsyad (DDI) Kota Makassar, Indonesia*, 1(Ddi).
- Herpendi, Agustian Noor, Khairul Anwar Hafizd, & Fathurrahmani. (2024). Sistem Informasi Audit Penjaminan Standar Mutu Internal. *Jurnal Informatika Polinema*, 10(2). <https://doi.org/10.33795/jip.v10i2.5036>
- Jaedun, A. (2011). Benchmarking Standar Mutu Pendidikan. *Pendidikan Dan Teknologi*, 5(2).
- Jollyta, D., Buaton, R., Novriyenni, N., & Fauzi, A. (2021). Mengatasi Kelemahan Internal Menggunakan Mc-Kinsey 7s Untuk Peningkatan Standar Mutu Pendidikan. *Archive: Jurnal Pengabdian Kepada Masyarakat*, 1(1). <https://doi.org/10.55506/arch.v1i1.6>
- Kaawaase, T. K., Nairuba, C., Akankunda, B., & Bananuka, J. (2021). Corporate governance, internal audit quality and financial reporting quality of financial institutions. *Asian Journal of Accounting Research*, 6(3). <https://doi.org/10.1108/AJAR-11-2020-0117>
- Kabuye, F., Bugambiro, N., Akugizibwe, I., Nuwasiima, S., & Naigaga, S. (2019). The influence of tone at the top management level and internal audit quality on the effectiveness of risk management practices in the financial services sector. *Cogent Business and Management*, 6(1). <https://doi.org/10.1080/23311975.2019.1704609>

- Kinanti, A., & Yusran, R. (2022). Implementasi Kebijakan Pencegahan dan Penanggulangan Stunting Berbasis Nagari di Nagari Kajai Pasaman Barat. *Journal of Civic Education*, 5(3). <https://doi.org/10.24036/jce.v5i3.720>
- Krichene, A., & Baklouti, E. (2020). Internal audit quality: perceptions of Tunisian internal auditors an explanatory research. *Journal of Financial Reporting and Accounting*, 19(1). <https://doi.org/10.1108/JFRA-01-2020-0010>
- MacDonald, C. J., Backhaus, I., Vanezi, E., Yeratziotis, A., Clendinneng, D., Seriola, L., Häkkinen, S., Cassar, M., Mettouris, C., & Papadopoulos, G. A. (2024). European Union Digital Education quality standard framework and companion evaluation toolkit. *Open Learning*, 39(1). <https://doi.org/10.1080/02680513.2021.1936476>
- Mahat, H., Hashim, M., Saleh, Y., Nayan, N., & Norkhaidi, S. B. (2019). Competencies for form six geography teachers in reaching the malaysian education quality standards. *Cakrawala Pendidikan*, 38(2). <https://doi.org/10.21831/cp.v38i2.23228>
- Mahbub, Mawardi, S., & Rahmawati, D. (2019). Implementasi Standar Mutu Pendidikan Di SMP Kosgoro Sragi Songgon Banyuwangi Tahun Pembelajaran 2018/2019. *JMPID (Jurnal Manajemen Pendidikan Islam Darussalam)*, 01(01).
- Makki, A. A., Alqahtani, A. Y., Abdulaal, R. M. S., & Madbouly, A. I. (2023). A Novel Strategic Approach to Evaluating Higher Education Quality Standards in University Colleges Using Multi-Criteria Decision-Making. *Education Sciences*, 13(6). <https://doi.org/10.3390/educsci13060577>
- Manik, E. P. P. A., Elvawati, E., & Yuhelna, Y. (2022). Peran BPBD (Badan Penanggulangan Bencana Daerah) Terhadap Penanggulangan Bencana Alam. *Puteri Hijau : Jurnal Pendidikan Sejarah*, 7(1). <https://doi.org/10.24114/ph.v7i1.34284>
- Marwati, M., Hadriana, H., & Suarman, S. (2021). Pengaruh Supervisi Kepala Sekolah dan Kinerja Guru Terhadap Mutu Pendidikan pada Sekolah Dasar Di Kota Pekanbaru. *Jurnal JUMPED (Jurnal Manajemen Pendidikan)*, 7(2). <https://doi.org/10.31258/jmp.7.2.p.222-237>
- Muslim, I. (2021). Rancang Bangun Sistem Audit Mutu Internal Guna Optimalisasi Kinerja Penjaminan Mutu Perguruan Tinggi. *SISTEMASI*, 10(2). <https://doi.org/10.32520/stmsi.v10i2.1374>
- Najwa, L., Iqbal, M., & Aryani, M. (2023). Manajemen Implementasi Sistem Penjaminan Mutu Internal di Perguruan Tinggi. *Jurnal Visionary : Penelitian Dan Pengembangan Dibidang Administrasi Pendidikan*, 11(1). <https://doi.org/10.33394/vis.v11i1.7391>
- Nurdiono, & Gamayuni, R. R. (2018). The effect of internal auditor competency on internal audit quality and its implication on the

- accountability of local government. *European Research Studies Journal*, 21(4). <https://doi.org/10.35808/ersj/1132>
- Phafiandita, A. N., Permadani, A., Pradani, A. S., & Wahyudi, M. I. (2022). Urgensi Evaluasi Pembelajaran di Kelas. *JIRA: Jurnal Inovasi Dan Riset Akademik*, 3(2). <https://doi.org/10.47387/jira.v3i2.262>
- Pratama, I. P. A., & Suryawan, I. G. T. (2017). Rancangan Bangun Sistem Monitoring Pelaksanaan Dan Hasil Audit Mutu Internal. *Jurnal Ilmu Komputer Dan Ilmu Sains Terapan*, 7(2).
- Pujiastuti, E. (2021). Implementasi Manajemen Berbasis Sekolah dalam Peningkatan Mutu Pendidikan. *Syntax Literate ; Jurnal Ilmiah Indonesia*, 6(2). <https://doi.org/10.36418/syntax-literate.v6i2.2022>
- Rani Febriyanti, D., & Irawan, H. (2020). Penerapan Sistem Informasi Audit Mutu Internal Berbasis Web Guna Meningkatkan Efisiensi Kerja Studi Kasus: Lembaga Penjaminan Mutu Universitas Budi Luhur. *IDEALIS : InDonEsiA Journal Information System*, 3(1). <https://doi.org/10.36080/idealism.v3i1.2147>
- Ripanti, E. F., & Oramahi, H. A. (2021). Rancangan Sistem Informasi Pengelolaan Audit Mutu Internal (AMI) Perguruan Tinggi. *Jurnal Edukasi Dan Penelitian Informatika (JEPIN)*, 7(1). <https://doi.org/10.26418/jp.v7i1.44330>
- Rivaldy Ermansyah, Wahira, & Sumarlin Mus. (2022). Pengelolaan Sistem Penjaminan Mutu Internal (SPMI) Pada SMA Negeri 2 Sinjai di Kabupaten Sinjai. *Tadbir: Jurnal Manajemen Pendidikan Islam*, 10(2). <https://doi.org/10.30603/tjmpi.v10i2.2810>
- Rizal, S., Usman, T., Azhar, A., & Puspita, Y. (2020). Peningkatan Kualitas Pendidikan Melalui Sistem Penjaminan Mutu. *Didaktika: Jurnal Kependidikan*, 9(4). <https://doi.org/10.58230/27454312.152>
- Rosmawati, R., Apandi, R. N. N., Widarsono, A., & Sugiharti, H. (2023). Accounting Informations System for Internal Auditors Perception: Case Study at Higher Education Institution Wiyh Legal Status. *Journal of Engineering Science and Technology*, 18(2).
- Samagaio, A., & Felício, T. (2023). The determinants of internal audit quality. *European Journal of Management and Business Economics*, 32(4). <https://doi.org/10.1108/EJMBE-06-2022-0193>
- Shah, M., & Jarzabkowski, L. (2013). The Australian higher education quality assurance framework: From improvement-led to compliance-driven. *Perspectives: Policy and Practice in Higher Education*, 17(3). <https://doi.org/10.1080/13603108.2013.794168>
- Singh, K. S. D., Ravindran, S., Ganesan, Y., Abbasi, G. A., & Haron, H. (2021). Antecedents and internal audit quality implications of internal audit effectiveness. *International Journal of Business Science and Applied Management*, 16(2).
- Singh, P., Alhassan, I., Binsaif, N., & Alhussain, T. (2023). Standard

- Measuring of E-Learning to Assess the Quality Level of E-Learning Outcomes: Saudi Electronic University Case Study. *Sustainability (Switzerland)*, 15(1). <https://doi.org/10.3390/su15010844>
- Sugiarta, I. K., Suasnawa, I. W., & Harry Saptarini, N. G. A. P. (2019a). Perencanaan Sistem Informasi Audit Mutu Internal Dengan Zahman Framework Studi Kasus Politeknik Negeri Bali. *JURNAL SIMETRIK*, 9(1). <https://doi.org/10.31959/js.v9i1.202>
- Sugiarta, I. K., Suasnawa, I. W., & Harry Saptarini, N. G. A. P. (2019b). Perencanaan Sistem Informasi Audit Mutu Internal Dengan Zahman Framework Studi Kasus Politeknik Negeri Bali. *JURNAL SIMETRIK*, 9(1), 152–158. <https://doi.org/10.31959/js.v9i1.202>
- Sugiyono. (2015). Sugiyono, Metode Penelitian dan Pengembangan Pendekatan Kualitatif, Kuantitatif, dan R&D , (Bandung: Alfabeta, 2015), 407 1. *Metode Penelitian Dan Pengembangan Pendekatan Kualitatif, Kuantitatif, Dan R&D*, 2015.
- Susanti, H. (2021). Manajemen Pendidikan, Tenaga Kependidikan, Standar Pendidik, dan Mutu Pendidikan. *Asatiza: Jurnal Pendidikan*, 2(1). <https://doi.org/10.46963/asatiza.v2i1.254>
- Syafii, A., Bahar, B., Shobichah, S., & Muharam, A. (2023). Pengukuran Indeks Mutu Pendidikan Berbasis Standar Nasional. *Jurnal Multidisiplin Indonesia*, 2(7). <https://doi.org/10.58344/jmi.v2i7.332>
- Wibowo, A., & Azimah, A. (2016). Rancang Bangun Sistem Informasi Penjaminan Mutu Perguruan Tinggi Menggunakan Metode Throwaway Prototyping Development. *Seminar Nasional Teknologi Informasi Dan Multimedia*.
- Widiantoro, S., & Yodi, Y. (2020). Rancang Bangun Sistem Informasi Audit Mutu Internal Berbasis IAPS 4.0. *Jurnal Ilmu Komputer Dan Bisnis*, 11(2). <https://doi.org/10.47927/jikb.v11i2.7>
- Widya Fitriani, L. P., & Aryani Kemenuh, I. A. (2021). Peningkatan Sistem Penjaminan Mutu Perguruan Tinggi Melalui Implementasi Manajemen Mutu Terpadu dalam Pendidikan. *Jurnal Pendidikan Ekonomi Dan Bisnis (JPBE)*, 5(1).
- Yıldırım, K., & Yenipinar, Ş. (2022). Compliance with International Quality Standards: Evaluation of Turkish Higher Education Institutions in Terms of Management Dimensions. *Egitim ve Bilim*, 47(211). <https://doi.org/10.15390/EB.2022.10640>
- Yustiyawan, R. H. (2019). Penguatan Manajemen Pendidikan Dalam Mutu Pendidikan Tinggi Studi Kasus di STIE IBMT Surabaya. *Jurnal Dinamika Manajemen Pendidikan*, 4(1). <https://doi.org/10.26740/jdmp.v4n1.p1-10>
- Zheng, H. (2020). Stakeholder perceptions on the role of school inspection standards in demonstrating education quality in China. *Quality Assurance in Education*, 28(2). <https://doi.org/10.1108/QAE-09-2019->

0093

Zunaidi, A., Andriani, A., & Putri, O. A. (2022). Peran Monitoring Dan Evaluasi Audit Mutu Internal Dalam Upaya Mewujudkan Good University Governance IAIN Kediri. *Abdimas Galuh*, 4(1). <https://doi.org/10.25157/ag.v4i1.6288>