

# Cultivating Calm: A Conceptual Framework for Kaizen-based Stress Management in Malaysian Academia

Norazlinda Hj Mohammad<sup>1\*</sup>, Norena Abdul Karim Zamri<sup>2</sup>, Siti Nur Izyandiyana Ab. Hadi<sup>3</sup>

<sup>1,3</sup>Faculty of Communication & Media Studies, University Technology MARA Cawangan Melaka, Malaysia

<sup>2</sup>Institute of the Malay World and Civilisations (ATMA), University Kebangsaan Malaysia

\*Correspondent Author

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## ABSTRACT

Malaysian higher education institutions face significant challenges in managing workplace stress among educators, contrasting sharply with Japan's successful implementation of Kaizen principles for continuous improvement and quality management. This gap in cross-cultural adaptation of stress management practices presents an opportunity for innovation in the Malaysian academic sector. This conceptual paper aims to develop a framework for implementing Japanese Kaizen principles to enhance stress management in Malaysian higher education institutions, with a particular focus on University Technology MARA (UiTM). The proposed Kaizen-based framework is expected to enhance stress management processes, potentially improving educator well-being and organisational performance in Malaysian universities. This research contributes to cross-cultural management literature, offers insights into sustainable academic practices aligned with SDG 3 (Good Health and Well-being), and has implications for international education strategies in Asian markets. This study extends Japanese Kaizen principles to Malaysian higher education, introducing a systematic, process-driven approach to stress management that enhances institutional well-being and aligns with global health initiatives like SDG 3. Thus, addressing this critical gap, the study provides a foundation for future empirical research and practical applications in cross-cultural stress management within academia, potentially transforming the work environment for Malaysian educators.

**Keywords:** Educators; Good Working Culture; Kaizen; Stress Management; Sustainability

## INTRODUCTION

In the rapidly evolving landscape of global education, Malaysian organisations face significant challenges in managing employee stress and maintaining productivity, particularly in the higher education sector. Educators in Malaysia grapple with mounting mental stress, which profoundly impacts their well-being, job satisfaction, and the overall quality of education (Ibrahim et al., 2019; Tai et al., 2019; Hassan et al., 2020). This challenge is exacerbated by factors such as heavy workloads, limited resources, and an increasingly demanding educational environment (Kamarulzaman et al., 2018).

In contrast, Japan's renowned work culture, deeply rooted in the "Kaizen" principles of continuous improvement and unwavering commitment to quality (Imai, 1986), has fostered a healthy and productive environment for educators. This approach has led to reduced stress levels and increased job satisfaction among Japanese workers (Kurotani et al., 2015; Nonaka & Takeuchi, 1995). The success of Japanese management practices has not gone unnoticed in Malaysia, as evidenced by the "Look East" policy initiated by former Prime Minister Tun Dr. Mahathir Mohammad. This policy recognizes the value of Japanese and Korean approaches in developing quality infrastructure and work ethics, emphasising discipline, perseverance, and loyalty as driving forces for social and economic development (Furuoka, 2007).

In the context of Industry 4.0, where strategic decisions must be made rapidly and precisely (Hamid et al., 2021), efficient organisational management is crucial for enhancing employee productivity and competence. Kaizen management, with its focus on continuous improvement, quality, employee involvement, and effective communication, offers a promising framework for boosting employee well-being and organisational performance (Loon et al. 2019).

While numerous studies have explored stress management in educational settings, there is a noticeable gap in research examining the cross-cultural adaptation of Japanese management practices, specifically Kaizen principles, to address stress in Malaysian organisations (Mat Yassin et al., 2024). For instance, Ismail et al. (2019) investigated occupational stress among Malaysian university academics but did not explore potential solutions based on international best practices. Similarly, Pau et al. (2022) studied work-related stress among Malaysian teachers but did not consider the potential of adapting foreign management techniques to alleviate this stress. The application of Kaizen principles in educational settings has shown promise in other contexts. Emiliani (2005) demonstrated the effectiveness of Kaizen in improving higher education administrative processes in the United States. However, research on its application specifically for stress management in education, particularly in a Malaysian context, remains limited.

Furthermore, while studies such as Radzi et al. (2016), Kumar et al., (2022), and Kong and Muthuveloo (2022) have explored the implementation of Japanese management practices in Malaysian manufacturing sectors, there is a dearth of research on their application in the education sector. This gap is particularly significant given the unique challenges faced by educators in Malaysia, as highlighted by Ismail et al. (2019) and Pau et al. (2022). The cultural adaptation of management practices is another area that requires further exploration. While Hofstede's cultural dimensions theory has been widely used to understand cross-cultural management (Hofstede, 2011), its application in adapting Kaizen principles for stress management in Malaysian educational institutions remains unexplored.

This research aims to address these gaps by exploring the potential adaptation of Kaizen principles to manage mental stress among educators in Malaysia, with a particular focus on Universiti Teknologi MARA (UiTM) (Hassan et al., 2020). By examining the challenges faced by Malaysian educators and drawing lessons from Japan's successful practices, this study seeks to develop a conceptual framework for implementing Kaizen principles in Malaysian organisations. The goal is to offer culturally adapted strategies that could empower educators, alleviate stress, and ultimately enhance the quality of education in Malaysia (Ibrahim et al., 2019; Kamarulzaman et al., 2018). Through a comprehensive literature review, this conceptual paper will examine the benefits and challenges of applying Japanese management practices in a Malaysian context, contributing to cross-cultural management literature and offering insights into sustainable business practices that prioritise employee health in diverse cultural settings.

This study will benefit Malaysian academicians and universities' management in cultivating serene and free work stress management in the education sector.

- a) Reducing the effects of stress and enhancing positive healthy mental and well-being among the Malaysian academician in their workplace.
- b) This study also supports Malaysia's commitment to the Sustainable Development Goal 3 (SDGs) Promoting Good Health and Well-being.
- c) Highlighting the importance of practising the Kaizen concept in emphasising Kaizen philosophy and effective working culture in improving the well-being of the academicians.
- d) Acts as intervention and preparedness for the university management in not only reducing mental stress but also improving the working culture in education sector.

Moreover, this research will aid the university management by having a framework as a reference in combating the crucial problem. Thus, it helps to mitigate and develop a conceptual framework based on the Kaizen philosophy in overcoming stress issues among Malaysian academicians. In a way, it will not only

inculcate self-awareness, perseverance, motivation, and increasing self-esteem among the academicians but also escalate the productivity of the staffs and management team towards success path. Indirectly, it helps ensure emotional stability among Malaysian academicians. This research will also serve as a contribution not only to mitigate stress levels but also to enhance the quality of academicians' mental health and well-being. Lastly, it is hoped that this study will help to reduce mental cases and also practically support the sustainability development goals that are SDGs 3 on emphasizing the importance of sustaining good health and well-being in society.

## LITERATURE REVIEW

### Awareness of Kaizen Philosophy and Working Culture

Kaizen, rooted in Japanese post-war industrial practices, emphasizes incremental, continuous improvement through collective employee engagement (Imai, 1986). While traditionally applied in manufacturing, its principles—such as empowerment, waste reduction, and participatory problem-solving—have shown promise in enhancing workplace well-being. Recent studies link Kaizen to stress reduction by fostering autonomy and reducing inefficiencies. For example, Suárez-Barraza and Ramis-Pujol (2010) demonstrated that Kaizen's focus on small, manageable changes alleviates burnout in service sectors by simplifying workflows and enhancing control over tasks. However, the application of Kaizen as a structured stress management framework in academic settings, particularly in Malaysia, remains underexplored.

Malaysia's higher education sector has undergone rapid transformation, with an increased emphasis on research output, administrative efficiency, and digitalization. However, these changes have also contributed to heightened stress levels among academics (Ismail et al., 2019). Unlike Japan, where Kaizen principles have been integrated into university management to streamline workloads and enhance work-life balance (Arsyad et al., 2021), Malaysian institutions have yet to fully embrace these methodologies.

Despite the adoption of Lean and Six Sigma in some Malaysian universities to improve administrative processes (Ahmed et al., 2021), these initiatives have primarily focused on operational efficiency rather than employee well-being. There is a need for a structured framework that integrates Kaizen principles to address occupational stress systematically. Given Malaysia's collectivist culture (Hofstede Insights, 2023), Kaizen's emphasis on teamwork and participatory decision-making could provide a culturally suitable approach to stress reduction. However, high power distance in Malaysian institutions may pose challenges, necessitating a tailored strategy that balances hierarchical norms with employee engagement.

Malaysian academics face a range of stressors, including excessive administrative workloads, pressure to publish, and student-related challenges (Ismail et al., 2019). The COVID-19 pandemic exacerbated these issues, with 68% of educators reporting heightened anxiety due to digital transition pressures (Hussin et al., 2022). Comparatively, Japanese universities mitigated similar stressors through structured Kaizen initiatives, such as regular feedback loops, workload redistribution, and process simplification (Arsyad et al., 2021). These strategies could be adapted to the Malaysian context to improve work-life balance and reduce burnout.

Effective leadership is crucial for the successful implementation of Kaizen. In Malaysian academia, a top-down approach often dominates, which may conflict with Kaizen's bottom-up problem-solving philosophy (Hamid et al., 2021). However, studies indicate that transformational leadership, which aligns with Kaizen's emphasis on mentorship and continuous improvement, has been effective in Malaysian public institutions. To implement Kaizen successfully in universities, leadership commitment to decentralized decision-making and open communication is necessary. There is a gap in existing research on how leadership styles in Malaysian universities can be adapted to support Kaizen-driven stress management strategies.

### Mental Health and Well-being among Educators in Universities

Motivation stems from an individual's inspiration and drive to execute tasks with sincerity, pleasure, and earnestness, resulting in quality performance (Afandi, 2018). In coping with occupational stress, academic staff employ various strategies. Some adopt positive approaches such as exercise, seeking assistance, and

practising good time management. These positive coping styles have been shown to reduce work stress and protect the health and well-being of academic employees (Iqbal & Kokash, 2011; Fadel et al., 2019).

Recent studies have further emphasised the importance of addressing mental health issues among academicians. For instance, Kinman and Wray (2020) reported that high workloads, poor work-life balance, and lack of support are key contributors to stress among UK academics, suggesting these issues may be prevalent in other countries as well. Additionally, Robinson et al. (2023) found that the COVID-19 pandemic has exacerbated stress levels among university educators, highlighting the need for robust stress management strategies.

While positive coping strategies (e.g., mindfulness, and peer support) are documented (Fadel et al., 2019), institutional interventions remain fragmented. Lean Six Sigma applications in Malaysian higher education focused on administrative efficiency (Ahmed et al., 2021) but overlooked well-being. This gap underscores the potential for Kaizen to bridge process improvement and holistic stress management.

The application of Kaizen principles in educational settings has shown promise in improving work processes and potentially reducing stress. Emiliani (2005) demonstrated the effectiveness of Kaizen in enhancing higher education administrative processes. More recently, Sunder and Mahalingam (2018) proposed a Lean Six Sigma framework for higher education institutions, incorporating elements of Kaizen, which could potentially be adapted for stress management. However, the cross-cultural adaptation of such practices, particularly in the Malaysian context, remains underexplored. Ismail et al. (2019) investigated occupational stress among Malaysian university academics but did not explore solutions based on international best practices like Kaizen. This gap presents an opportunity for developing a culturally adapted Kaizen-based framework for stress management in Malaysian academia, as proposed in our study.

While Kaizen shows cross-sectoral efficacy, its adaptation to Malaysian academia remains unexplored. Previous studies focus on manufacturing (Kamal et al., 2024) or administrative efficiency (Ahmed et al., 2021), neglecting well-being. Moreover, existing stress interventions lack systemic integration, highlighting the need for a culturally nuanced framework that aligns Kaizen with Malaysia's unique academic pressures and SDG 3 targets.

## RESEARCH METHODOLOGY

This conceptual study employs a comprehensive literature review methodology to explore the potential adaptation of Kaizen principles for stress management in Malaysian organisations, with a particular focus on the education sector. This approach aligns with the research objectives of developing a framework for implementing Japanese Kaizen principles to enhance stress management in Malaysian organisations and examining the benefits and challenges of applying Kaizen in a Malaysian context (Snyder, 2019).

### Systematic Literature Search

A thorough search of peer-reviewed articles, books, and conference proceedings was conducted using academic databases including Google Scholar, JSTOR, and ScienceDirect. Key search terms included "Kaizen," "stress management," "Malaysian education," "Japanese management practices," and "cross-cultural management." This systematic approach ensures a comprehensive coverage of relevant literature (Xiao & Watson, 2019).

### Critical Analysis and Synthesis

The collected literature was critically analysed to identify recurring themes, patterns, and concepts related to stress management, Kaizen principles, and their potential application in Malaysian educational contexts. This analysis focused on understanding the benefits and challenges of applying Kaizen in a Malaysian context, as highlighted by studies such as Radzi et al. (2016) and Ismail et al. (2019). The synthesis of this information provides a foundation for developing a culturally adapted framework (Torraco, 2005).

## Comparative Analysis

A comparison of Japanese and Malaysian organisational cultures was conducted, with a specific focus on

stress management practices. This analysis helps identify potential adaptations needed for the successful implementation of Kaizen principles in Malaysian organisations, building on cross-cultural management theories (Hofstede, 2011) and studies on the adaptation of Japanese management practices in different cultural contexts (Yokozawa et al., 2010).

## Conceptual Framework Development

Based on the insights gathered from the literature review and analyses, a conceptual framework was developed. This framework illustrates the potential adaptation of Kaizen principles for stress management in Malaysian educational institutions, taking into account cultural and organisational factors. The framework development process follows the guidelines proposed by Jabareen (2009) for building conceptual frameworks through qualitative analysis.

This methodology is designed to provide a comprehensive exploration of the topic, leading to the development of a robust conceptual framework that can inform future empirical research and practical applications in stress management within Malaysian educational institutions. By synthesising existing knowledge and proposing a new conceptual framework, this study contributes to the body of literature on cross-cultural management and stress management in educational settings (Baumeister & Leary, 1995). This approach enables a thorough exploration of the benefits and challenges of applying Kaizen in a Malaysian context, contributing to cross-cultural management literature and offering insights into sustainable business practices aligned with SDG 3 (Halisçelik & Soytaş, 2019). The resulting conceptual framework is expected to provide a foundation for future empirical research and practical applications in cross-cultural stress management, potentially improving employee well-being and organisational performance in Malaysian educational institutions.

## RESULTS AND ANALYSIS

### The Proposed Conceptual Framework

The proposed conceptual framework examines how Kaizen practices can significantly influence mental stress among academics in Malaysian higher education institutions. This framework integrates the Kaizen philosophy, particularly the 5S methodology, with key factors affecting academic stress, as identified in the literature. Figure 1 represents the conceptual framework proposed by the researcher.

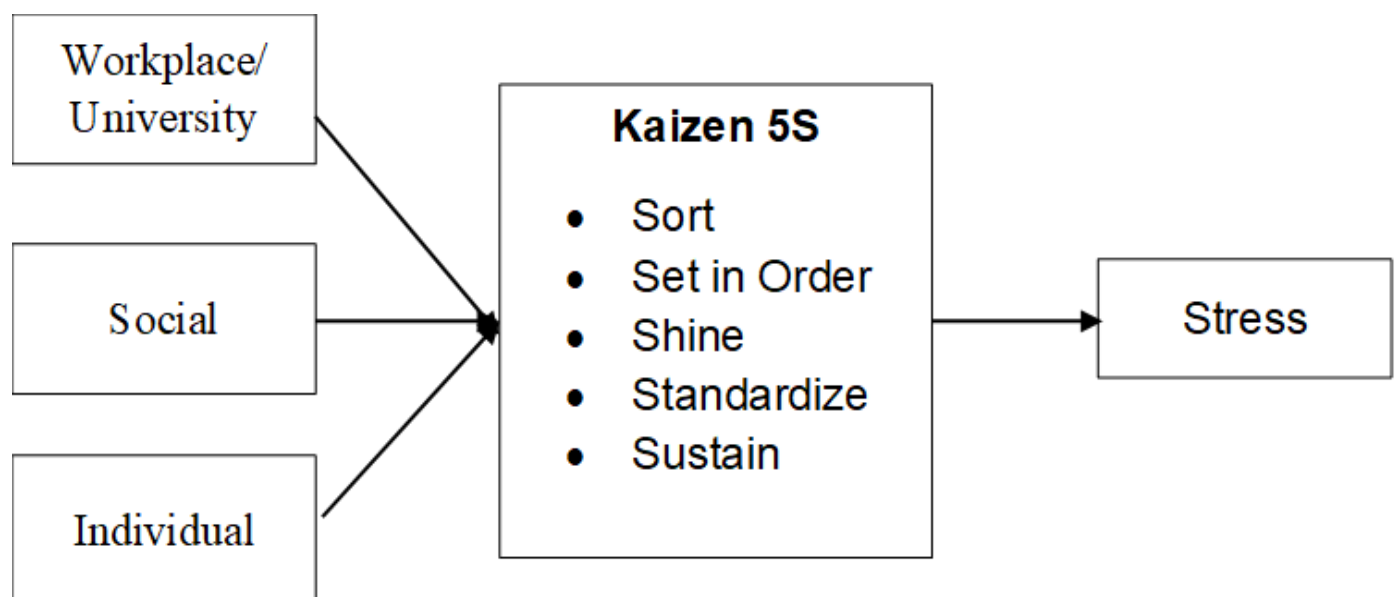


Figure 1.0: Kaizen Theory (5S) + Factors



Kaizen aligns with the JD-R model by augmenting job resources (e.g., autonomy, and support systems) to buffer demands (Bakker & Demerouti, 2017). For instance, Kaizen-driven peer circles could serve as resources, reducing emotional exhaustion. However, the framework must address how cultural adaptation influences the implementation of Kaizen principles in Malaysia's academic context.

### **Kaizen Theory (5S)**

The foundation of this framework is the Kaizen philosophy, specifically focusing on the 5S methodology: Sort (Seiri), Set in Order (Seiton), Shine (Seiso), Standardise (Seiketsu), and Sustain (Shitsuke) (Randhawa & Ahuja, 2017). These principles are adapted to the academic context:

- a) Sort: Prioritising tasks and eliminating unnecessary workload.
- b) Set in Order: Organising work processes and resources efficiently.
- c) Shine: Maintaining a clean and stress-free work environment.
- d) Standardise: Establishing consistent stress management practices.
- e) Sustain: Continuously improving and maintaining stress reduction efforts.

### **Factors Influencing Academic Stress**

The framework incorporates key factors that contribute to stress among Malaysian academics, as identified in recent literature:

- a) Workload: Heavy teaching, research, and administrative responsibilities (Ismail et al., 2019).
- b) Work-Life Balance: Challenges in managing professional and personal life (Zakariya et al., 2023).
- c) Organisational Support: The level of support provided by the institution (Hassan et al., 2020).
- d) Career Development: Opportunities for professional growth and advancement (Ibrahim et al., 2019).
- e) Technological Adaptation: Stress related to adopting new technologies in teaching and research (Kamarulzaman et al., 2018).

### **Cultural Adaptation**

The framework acknowledges the need for cultural adaptation when implementing Japanese management practices in Malaysia. High power distance in Malaysian institutions (Hofstede, 2011) may hinder bottom-up Kaizen participation. To address this, the framework proposes structured leadership-driven Kaizen interventions where senior faculty facilitate participatory problem-solving, ensuring alignment with hierarchical norms. Furthermore, Kosieradzka et al. (2021) highlight Malaysia's collectivist culture, suggesting that team-based Kaizen approaches would be more effective than individualised strategies.

### **Continuous Improvement Cycle**

Central to the framework is a continuous improvement cycle, reflecting the core principle of Kaizen. This cycle involves:

- a) Identifying stress factors
- b) Implementing Kaizen-based solutions
- c) Evaluating outcomes

#### d) Refining strategies

This cycle is similar to the Plan-Do-Check-Act (PDCA) cycle often associated with Kaizen (Singh & Singh, 2018), but adapted specifically for stress management in academia. The framework proposes that the application of Kaizen principles to address the identified stress factors will lead to:

- a) Reduced mental stress among academics
- b) Improved job satisfaction and well-being
- c) Enhanced productivity and teaching quality
- d) Better overall organisational performance

While Kaizen-based stress management has the potential to improve academic well-being in Malaysian universities, cultural and institutional barriers must be carefully addressed. By adapting Kaizen principles to fit hierarchical norms, leveraging Malaysia's collectivist work culture, and ensuring administrative and financial support, universities can successfully integrate Kaizen into their stress management frameworks (Pucik et al., 2023). However, beyond these considerations, several key challenges must be accounted for.

Culturally, overcoming deeply ingrained hierarchical structures requires sustained leadership commitment to fostering a culture of openness and participatory problem-solving. Universities must also ensure that the collectivist nature of Malaysian society is leveraged positively, creating environments where stress management is seen as a collective responsibility rather than an individual burden (Chueh et al., 2023). Resistance to change remains a significant challenge, and continuous awareness programs, training, and gradual implementation will be necessary to shift perceptions and practices over time.

Institutionally, the bureaucratic nature of Malaysian universities can slow down the adoption of Kaizen-based strategies. Streamlining administrative procedures and integrating Kaizen into university policies and performance frameworks will be critical. Additionally, resource limitations pose a practical challenge, particularly in public universities with constrained budgets (Moyo et al., 2021). Institutions must explore innovative funding strategies, such as partnerships with the private sector and government agencies, to support Kaizen initiatives. Finally, ensuring that Kaizen-based stress management is adaptable across different universities will require a balance between standardized best practices and localized implementations that reflect each university's unique needs.

Future research should focus on empirical case studies to evaluate the long-term effectiveness of these interventions in improving academic well-being and institutional productivity. Moreover, comparative studies examining the implementation of Kaizen in universities across different cultural contexts could provide valuable insights into best practices and adaptation strategies (Aamer et al., 2022). Ultimately, the successful integration of Kaizen principles into stress management frameworks in Malaysian universities will depend on a holistic approach that considers both cultural sensitivities and institutional constraints.

## CONCLUSION AND RECOMMENDATIONS

The increasing levels of stress among educators in Malaysian higher education institutions have far-reaching implications for both individual well-being and organisational productivity. Unmanaged workloads and relentless pressure to meet key performance indicators (KPIs) contribute to physical fatigue, mental stress, and unproductive outputs, leading to negative behaviours such as disengagement and high turnover rates. These challenges not only affect job satisfaction but also pose significant hurdles for university management in fostering a conducive learning environment (Cayubit, 2022).

This conceptual paper has illuminated the critical need for effective stress management strategies, particularly through the adaptation of Kaizen principles. As noted by Abdulmouti (2018), Kaizen encourages a culture of continuous improvement, enabling educators to step back, assess their situations, and collaboratively propose solutions. By embracing this philosophy, Malaysian academicians can cultivate healthier work environments

that enhance well-being and job satisfaction, ultimately leading to improved organisational performance (Tri et al., 2019).

Moreover, the proposed framework serves as a strategic response for the Ministry of Higher Education in Malaysia, advocating for the integration of Kaizen practices to mitigate stress and enhance productivity within academic institutions. By prioritising educator well-being, the framework aims to address the immediate stressors faced by academics and contribute to sustainable improvements in educational quality (Sunder & Mahalingam, 2018). Future empirical research should adopt a mixed-methods approach, combining quantitative surveys and qualitative interviews to assess the effectiveness of the Kaizen-based stress management framework (Balaji et al., 2021). A longitudinal study across multiple faculties can measure changes in stress levels, job satisfaction, and work-life balance before and after implementing Kaizen interventions. Additionally, a comparative analysis between institutions that implement Kaizen and those that do not will provide insights into its practical applicability (Carneiro et al., 2024). Engaging key stakeholders, including faculty members and university administrators, will be essential to ensure successful implementation and institutional support.

Furthermore, this study is a pioneering extension of Japanese Kaizen principles to the Malaysian higher education system, specifically addressing workplace stress management among educators—an area that remains unexplored in cross-cultural educational research (Ghani et al., 2022). Through the integration of the philosophy of continuous improvement into existing stress management models, this research pioneers a systematic, process-driven approach to university management well-being that extends beyond conventional psychological interventions. The proposed Kaizen-based framework not only reinforces institutional strategies for mitigating occupational stress but also promotes sustainable higher education practice, which contributes to global health and well-being agendas such as Sustainable Development Goal 3 (SDG 3) (Chung et al., 2024).

In conclusion, adopting Kaizen principles represents a transformative opportunity for Malaysian higher education. By focusing on continuous improvement and the well-being of educators, universities can create a more resilient academic workforce, ultimately leading to enhanced organisational performance and a more fulfilling educational experience for both educators and students alike. We hope that this conceptual framework will inspire future empirical research and practical applications, paving the way for a healthier, more productive academic landscape in Malaysia, and addressing the gaps in stress management highlighted in previous studies (Ismail et al., 2019; Robinson et al., 2023).

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