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Research Article

Work Training, Workplace Relationships, Workload and Job Performance

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ABSTRACT

This study explores the optimization of job performance by examining the interplay of work training, workplace relationships, and workload within the dynamic setting of a call center. The overarching goal is to gain a holistic understanding of how these three elements collectively contribute to fostering a positive impact on workforce productivity. Utilizing a descriptive survey method, the research employed a questionnaire to systematically collect data on the perceived positive effects associated with work training, workplace relationships, and workload on job performance. Following data collection, thorough analysis and interpretation were conducted to derive meaningful insights. To assess the significance of differences between the factors influencing job performance, a one-way ANOVA was applied. The study aimed to shed light on several key aspects, including the dynamics of the work environment concerning the identified factors affecting job performance, the levels of agreement among respondents regarding these factors, significant differences in responses, and implications for improvements. In conclusion, the study highlights that work training, workplace relationships, and workload positively influence job performance, as evidenced by responses from call center agents. However, it is noteworthy that all three factors were rated one level below the highest possible classification, underscoring the need for targeted interventions. Significant differences in ratings were identified among work training, workplace relationships, and workload. All three factors were considered for intervention, with a particular emphasis on workload, which received the lowest rating. This prioritization sets the groundwork for strategic improvements to elevate overall job performance in the call center environment.

Keywords: Capacity zone, Job performance, Workload, Workplace relationships, Work training

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Introduction

This study focuses on optimizing an employee's job performance, a multifaceted concept encompassing behaviors, routines, and processes associated with the tasks assigned by the organization (Melhem et al., 2023). It represents an individual's contribution to the achievement of organizational objectives (Akça & Küçükoğlu, 2022). Given its pivotal role in overall organizational performance, regular assessment of employee job performance is essential. The appraisal of employee performance serves the crucial purpose of evaluating whether it aligns with the benchmarks established by the organization. This evaluation process not only ensures adherence to organizational standards but also identifies opportunities for enhancing company operations (Luiz & Beuren, 2024). The significance of job performance is underscored by the principle that responsibilities should be entrusted only to individuals capable of meeting them according to specified criteria, with necessary resources provided to facilitate successful completion (Madukwe & Umunakwe, 2023).

Various organizational aspects significantly impact job performance, with the workspace standing out as a crucial factor. It should be designed to foster employee interaction while ensuring adequate and comfortable surroundings (Rahmat et al., 2023). Elements such as work layout, noise levels, ventilation, office colors, and work area privacy within the workspace also play pivotal roles in influencing job performance (M.M.S.Madushika & R. G. Ariyawansa, 2022). Work safety is another determinant positively contributing to increased productive time, enhanced work value, and improved task accomplishment (Mutegi et al., 2023). In alignment with this perspective, studies highlight the positive correlation between occupational safety and health and the improvement of job performance (Susilo & Kasmir, 2022). Additionally, work-life balance emerges as a key factor influencing job performance. Research involving millennial employees indicates a direct link between work-life balance and workplace productivity (Hidayat & Aulia, 2023). Another study emphasizes the positive impact of combining work-life balance with work flexibility on employee morale and organizational productivity (Obinwanne & Kpaji, 2022).

This study specifically investigates the impact of work training, workplace relationships, and workload on the job performance of customer service and technical support call center agents. According to Andri & Mandataris (2023b), work training demonstrates a significant positive effect on job performance. This finding is corroborated by research on flight operation officers, indicating that workplace training substantially enhances job readiness (Prayitno et al., 2023). Additionally, studies on job training, recruitment, and employability emphasize that individuals with company-specific training have a heightened likelihood of securing employment within the same company (Aljumah, 2023), affirming the influential role of training in job performance. Workplace relationships constitute another pivotal factor explored in this study. Research on workplace relationship quality and job performance highlights the positive impact of employee-supervisor and employee-coworker relationships on job performance (Gerlach, 2019). Consistent with this perspective, a study on job performance, social support, work-life conflict, and workplace stress underscores that a supportive work environment significantly mitigates work-related stress, subsequently improving employee job performance (Foy et al., 2019). Together, these studies affirm the substantial influence of workplace relationships on job performance.

The third and final factor explored in this study that influences job performance is employee workload. Research on the impact of job analysis, work discipline, and workload indicates that well-managed employee workloads contribute to enhanced employee performance (Jannah & Sumartik, 2023). Similarly, Ahmad & Hariasih (2023) highlight the significant influence of employee workload on job performance. This connection between workload and job performance is further supported by a study conducted by Maulana et al. (2023). The overarching goal of this study is to examine the effects of training, workplace relationships, and workload on job performance, specifically through the lens of customer service and technical support call center agents. By leveraging the insights gained from these factors, the study aims to provide valuable insights to further enhance the job performance of these employees.

Research Questions

The study investigated the experiences of call center agents engaged in customer service and technical support roles about the positive effects of training, workplace relationships, and workload on their job performance. Specifically, the study sought to answer the following questions.

- 1. What were the dynamics of the work environment in terms of work training, workplace relationships, and workload in the context of a business process outsourcing company with call center agents who were engaged in customer service and technical support roles?
- 2. What were the levels of agreement of call center agents on the positive effects of training, workplace relationships, and workload on their job performance?
- 3. Were there significant differences between the responses of call center agents on their levels of agreement on the positive effects of work training, workplace relationships, and workload on their job performance?
- 4. Based on the findings, what were the implications of the study in terms of possible improvements in line with training, workplace relationships, workload, and job performance?

Methods

The method used to identify the work environment dynamics of factors affecting job performance in the context of a business process outsourcing company with agents engaged in customer service and technical support came in the form of interviews with informants who had first-hand experiences. The same method was used to identify the specific factors that affect job performance and their subsequent specific questions. These questions were validated and subjected to a dry run before their actual use in the research. The method used in acquiring data on the levels of agreement of call center agents on the positive effects of work training, workplace relationships, and workload on their job performance was a descriptive survey. Data were collected from respondents through questionnaires that required them to answer simple close-ended questions about the positive effects of the included factors. The total number of call center agents was 440 and with the use of Slovin's formula with a five percent margin of error, a sample size of 210 was generated. However, the researchers managed to acquire the cooperation of only 183 respondents which was about 5.64 percent with Slovin's formula. Permission to collect data was sought. The weighted means of each item in all instruments were determined. One-way Analysis of Variance (ANOVA) was used to test whether there were significant differences between factors affecting job performance.

Results and Discussions *Customer Service and Technical Support Call Agents' General Tasks*

Customer service and technical support call center agents play a pivotal role in addressing customer queries, processing orders, and resolving complaints, necessitating a profound understanding of their companies' products and services. The key to effective service provision lies in possessing the requisite knowledge and skills, crucial components that significantly impact the quality of each transaction. Corroborating this, a study on the business performance of culinary entrepreneurs found a direct relationship between knowledge and skills and business performance (Sukriani et al., 2023b). Similarly, in a study focusing on performance in bio-risk management, a positive correlation was identified—higher knowledge and skill levels were associated with elevated performance levels (Baragona & Bermudo, 2023b). In instances where agents encounter situations beyond their current knowledge and skills, the presence of a supervisor or team leader becomes invaluable. A study on the job performance of frontline employees highlighted the positive effects of supervisor support on employees' creativity and service performance (Kalra et al., 2023). Expanding on this, research on job environments and job performance demonstrated the positive impact of the work environment on employees' job performance

(Yusnita, 2023). Additionally, a study on deviant workplace behavior and job performance underscored the role of organizational support in enhancing job performance (Tian & Guo, 2023). Dealing with irate customers emerges as one of the most challenging situations for customer service and technical support call center agents. Such situations not only highlight the quality of agent training but also test the strength of support from immediate supervisors and assess whether the assigned workload is within the agents' capacity limits. These variables, work training, work relationships, and workload, were identified in the study as factors influencing workers' job performance.

Work Training and its Effects

Numerous studies consistently demonstrate a robust connection between training and job satisfaction. In an investigation into the influence of organizational commitment and training on employee performance, Wulandari et al. (2023) revealed a positive and significant relationship between training and job satisfaction. Similarly, another study highlighted that employee training and competence contribute not only to job satisfaction but also to organizational commitment (Riyanto et al., 2023). Exploring the mediating role of job satisfaction, a study on the effects of employee training on organizational commitment and turnover intention found a positive mediation effect of job satisfaction between employee training and organizational commitment (Astuti & Harnuansa, 2022). Additionally, research on the effects of training and motivation uncovered a significant relationship between education, training, and employee performance, mediated by adequate job satisfaction (Diantari, 2023). Further emphasizing this relationship, a study on the effects of training and competence on employee job satisfaction established that training, competence, and motivation collectively contribute to a positive impact on job satisfaction (Rimadianti & Supartha, 2023). Interestingly, even the anticipation of training was found to have a positive effect. Sesen & Ertan (2021) demonstrated that the perception of training not only influences job satisfaction but also serves as a mitigating factor in reducing workplace stress.

A wealth of studies consistently highlights the robust connection between training and productivity. In an exploration of the effects of career development, job placement, and job training on work performance, Ichbal & Ubaidillah (2023) found a direct link between job training and job performance. Similarly, Wulandari et al. (2023) demonstrated that training significantly enhances employee performance. A study on the influence of assessment on training to improve productivity revealed that targeted training borne out of assessment results improves the productivity of workers (Mtotywa & Mdlalose, 2023). Another study focusing on training and career development, conducted by Hasan et al. (2023), underscored the direct impact of these variables on employee job performance. Aligning with this, Sellar (2022) found that both training and career development positively influence employee performance. Susilo & Kasmir (2022) extended this perspective by revealing that job training, when coupled with job motivation and occupational safety, positively affects employee job performance. From a different angle, Nathigah & Pancasasti (2022) demonstrated that employee job competence has a significant and positive effect on job performance. Similarly, a study in the beauty service industry by Kim et al. (2023) highlighted that competencies, including skills, knowledge, and attitude, positively contribute to employee job performance. Furthermore, shedding light on the role of education, a study by Schoger (2023) revealed that highly qualified workers are better equipped to cope with a high level of routine in the workplace, emphasizing the positive correlation between education and effective stress coping mechanisms in the professional setting.

Examining training from the perspective of its outcome, namely changed behavior, a study conducted by Manoharan et al. (2022) scrutinized detailed patterns showcasing significant improvements in labor performance and productivity levels among skilled employees. The acquisition of relevant theoretical and operational knowledge and skills was identified as a key driver of this behavioral change. Highlighting the ongoing nature of training, Koerner et al. (2020) emphasized that one cannot claim to have completed training entirely, as there will always be areas for improvement. Despite a high level of perceived competence among trainees, the study revealed that factors such as a lack of techniques and inadequate focus on principles and operational parameters contributed to uncertainties in performance. Considering the diverse nature of training, a study by Narsico et al. (2023a) explored various teaching styles and their application in a university setting. These teaching styles become particularly relevant when accounting for differences among trainees, subject matter conditions, and teacher preferences. Similarly, another study by Narsico et al. (2023b) delved into the application of various teaching styles in a technical school setting, further underscoring the adaptability and relevance of different teaching approaches based on the context and audience.

Positive Workplace Environment and Relationships

Several studies consistently highlight the significance of a positive workplace environment and relationships in fostering job satisfaction. For instance, a study on workload, supervisor support, and co-worker assistance conducted by Herawati et al. (2023) revealed that positive supervisory support significantly contributes to job satisfaction. Another aspect that affects job satisfaction is job security, a study by Magableh et al. (2023), supports this assertion. A study on job delight and organizational citizenship behavior revealed that teamwork cohesion affects job delight, a concept akin to job satisfaction (Judeh, 2023). Similarly, another study focusing on role conflict and performance found that trust and rapport between employees and managers enhance the impact of job satisfaction on creativity and service performance (Kalra et al., 2023). Exploring the effects of the work environment on job performance through the lens of job satisfaction, Yusnita (2023) found that a healthy work environment positively influences job satisfaction. Aligning with this perspective, Assiddiki (2023) emphasized that, along with a positive work environment, active leadership also plays a crucial role in promoting job satisfaction. Active leadership is consistent with good corporate governance. A study on the determinants of employee performance revealed that good

corporate governance affects employee performance (Sari et al., 2023). A study on the mediating role of employment satisfaction on reward and performance highlighted the importance of job satisfaction (Nadiyya & Rini, 2023). A study by Ateeq et al. (2023b), further revealed the direct connection between job satisfaction and job performance. From a broader perspective, the impact of national diversity on the work environment was investigated in a study by Hauret & Williams (2020), which concluded that national diversity does not negatively affect job satisfaction. The collective evidence supporting the idea that a positive workplace environment and relationships influence job satisfaction underscores the importance of prioritizing these aspects within organizational structures (Bella, 2023).

A substantial body of research has consistently highlighted the connection between a positive workplace environment and enhanced productivity. In a study by Nabilla et al. (2023), organizational trust was identified as a key factor contributing to a positive work environment, ultimately positively affecting job performance. Moreover, a study by Angulo et al. (2023), revealed that favorable organizational policies impact retention. Contrary to preceding discussions, research on the impact of deviant workplace behavior on job performance by Tian & Guo (2023) indicated that perceived organizational support mitigates the negative effects of disruptive workplace behavior on job performance. Similarly, Foy et al. (2019) demonstrated that social support in organizations reduces work stress, subsequently leading to increased job performance. Niere et al. (2023) found that workplace relationships can be a source of work-related stress, emphasizing the impact of the work environment on employee well-being and productivity. Additionally, Leger et al. (2022) revealed that supervisor support enables employees to have better effective responses to daily stressors at work, ultimately improving overall productivity. Addressing the negative impact of stress on job performance, Ekaputri & Riyanto (2022) conducted a study in an interior design company, highlighting the detrimental influence of work stress on employee performance. Consistent findings were observed in studies conducted in

telecommunications companies by Asmala et al. (2021) and Simbolon et al. (2023), indicating the adverse effects of work stress on employee performance. Shifting focus to psychological aspects, Putra et al. (2023) demonstrated that adequate organizational support enhances employee empowerment, contributing to better job performance. Additionally, Sangadji et al. (2023) and Ufoaroh et al. (2019) found that organizations prioritizing employee well-being tend to witness increased productivity, emphasizing the crucial link between employee welfare and organizational output.

The impact of a positive work environment on employee well-being is underscored by a study indicating that such conditions reduce depressive symptoms among employees (Baek et al., 2023). However, the converse is also true as demonstrated by studies highlighting the detrimental effects of a negative work environment. For instance, pervasive rudeness among coworkers was found to be associated with reduced employee work engagement and job performance (Wang & Chen, 2020). Similarly, interpersonal conflicts within organizations were shown to lead to greater emotional exhaustion and subsequently contribute to poor job performance (Striler et al., 2020). These conflicts also play a role in influencing an employee's intention to leave the organization (Jasiński & Derbis, 2022), while employee cynicism in a negative work environment has been linked to a similar intention to leave (Abugre & Acquaah, 2022). From a broader perspective, the work environment's impact can be perceived differently by employees. A study revealed that a personality-environment fit in the workplace minimizes workplace loneliness, subsequently improving job performance (Jha, 2023). Perceived organizational support, viewed through the lenses of job autonomy, intrinsic motivation, and job satisfaction, has been shown to positively affect job performance (Tran et al., 2020). Moreover, organizations fostering a vibrant culture characterized by trust among employees and the organization, coupled with a close-knit working environment between employees and managers, are found to promote worker innovation and improve job performance (Khan et al., 2021).

Workloads and Work Situations

When workloads are structured to allow employees to be productive, enabling them to meet workload goals with appropriate time and resources, the overall experience becomes positive. A study on workload, job performance, and job satisfaction, conducted by Herawati et al. (2023), highlighted that providing employees with workloads that do not overwhelm them leads to improved performance. Another study focused on enhancing employee performance found that workload was one of the variables with a positive impact on employee performance (Jannah & Sumartik, 2023). Similarly, in a study concerning the work activity of logistics couriers, it was observed that workload had a positive and significant effect on employees' productivity (Nathigah & Pancasasti, 2022). These findings collectively emphasize the importance of managing workloads effectively to enhance employee performance and job satisfaction.

The relationship between workload and job satisfaction is evident across various professional domains. Studies conducted among elementary school teachers (Cayupe et al., 2023), nurses in adult inpatient units (Gil et al., 2022), and emergency department staff (Batarfi et al., 2023) consistently show that workload factors are linked to job satisfaction. Furthermore, the impact of job satisfaction on job performance is a recurring theme in research across different sectors. Findings from studies on bank employees (Ichbal & Ubaidillah, 2023), employees in the beauty service industry (Kim et al., 2023), nurse performance (Dirdjo et al., 2023), and the performance of tax officials (Mac et al., 2023) all reveal a direct positive effect of job satisfaction on employee job performance. Additional studies by Nabilla et al. (2023), Farsole (2023), Kurniawan (2023), and Yusnita (2023) further affirm that job satisfaction plays a crucial role in positively influencing job performance. These collective insights underscore the interconnectedness of workload, job satisfaction, and job performance in diverse professional settings.

When workload escalates into work overload, it leads to adverse effects, notably impacting job performance and inducing job stress. A study on knowledge management and emotional exhaustion by Haq et al. (2020) revealed that when workers experience an excessive burden of tasks, job performance tends to decline. Job stress is another detrimental outcome associated with work overload. In a study on job stress in employees and organizational support, Purnama et al. (2023) found a positive relationship between work overload and work stress. This finding was corroborated by Hakro

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et al. (2022), who identified a direct relationship between work overload and job stress. Compounding the challenges posed by work overload, studies by Ali et al. (2021) indicated that work overload is directly related to employees' intentions to leave their jobs. This further emphasizes the negative consequences of excessive workloads on both individual wellbeing and organizational retention.

Levels of Agreement on the Positive Influence of Work Training, Workplace Relationships, and Workload on Job Performance

Table 1. Levels of Agreement of Call-Center Agents on the Positive Influence of Work Training, Work-place Relationships, and Workload on Job Performance

	n =183				
Factors		Level of Ex	xperience Inter	pretation	
1	Work Training	3.12	Agre	e	
2	Workplace Relationships	3.19	Agre	e	
3	Workload	3.03	Agre	e	
	Average	3.11	Agre	e	
					1

Legend: 3.26– 4.00 Strongly Agree; 2.51-3.25 Agree; 1.76 – 2.5; Disagree; and 1.00 -1.75 -Strongly Disagree.

Based on the feedback from nearly two hundred call center agents, it is evident that work training, workplace relationships, and workload exert a positive influence on their job performance. Notably, the average ratings for all three factors are very similar, and each received ratings interpreted as "agree." This indicates that respondents generally agree that these factors have a positive impact on their job performance. The consistent and similar average ratings for work training, workplace relationships, and workload suggest that management assigns equal importance to all three factors. This parity in ratings emphasizes the holistic approach taken by management, recognizing the significance of work training, positive workplace relationships, and a manageable workload in fostering and enhancing the job performance of call center agents.

Work Training Improvement Perspectives

The respondents have rated "work training" with an average mean of 3.12 out of a maximum rating of 4.0, indicating a generally positive perception. However, the 0.88 difference from the maximum rating suggests room for improvement. While the respondents agree that work training has positively affected their job performance, this variance signals an opportunity for management to leverage these findings for possible enhancements in the training process. To identify and address potential training gaps, it is essential to conduct a detailed analysis. A study on educational gaps and training by Moerdler et al. (2023) emphasizes the importance of identifying actionable training gaps to improve job performance. Additionally, the study suggests that acquiring the necessary knowledge and skills is crucial for trainees. Moreover, the definition of tasks and duties is pivotal in recognizing training needs, as highlighted in a study on the analysis of technical training needs by Koto et al. (2023). The diversity of training needs in various contexts is emphasized in another study by Barbaros & Bocos (2023), underscoring the need for a wellcrafted training program that can adapt to the diverse needs of trainees. Efficiency in training transfer tools is strongly correlated with the workplace application of skills and knowledge, as revealed in a study on tools and techniques for promoting workplace training transfer by

Dixit & Sinha (2022). This aligns with the importance of appropriate training methods and competency transfer highlighted in a study on curriculum implementation and evaluation by Narsico & Narsico (2023b). Recognizing the challenges in training implementation, Alarfaj & Al-Nasser (2023) stress the need for continuous adaptation to new trends and periodic evaluation to ensure high-quality and comprehensive training. These insights provide a robust foundation for refining the work training process for call center agents.

Workplace Relationships Improvement Perspectives

The respondents have rated "workplace relationships" with an average mean of 3.19 out of a maximum rating of 4.0, indicating a generally positive perception. However, the 0.81 difference from the maximum rating suggests an opportunity for improvement. While the respondents agree that workplace relationships have positively affected their job performance, this variance signals that findings related to this variable could be leveraged for possible enhancements. Positive workplace relationships are crucial for facilitating job performance, as highlighted in a study by Vuong et al. (2022), which showed that an adequate level of social support positively influences employee job performance. These positive relationships often begin with management. Ansar et al. (2023) found a significant relationship between the leadership quality of management and the work climate. Supportive leadership not only contributes to a positive work climate but also enhances organizational commitment. Perceived organizational support, as discussed by To & Huang (2022), plays a similar role in enhancing organizational commitment. Moreover, the effects of a positive work environment extend beyond organizational commitment. Grošelj et al. (2020) demonstrated that leadership, combined with psychological empowerment, facilitates innovative work behavior. Positive interpersonal relationships, as revealed in a study by Demir & Ergün (2023), enhance the problem-solving capabilities of workers, especially within work teams. Improvements in workplace relationships, particularly leadership, are crucial. A study on transformational leadership and organizational citizenship behavior by Kim & Park (2019) showed that this leadership style empowers employees to actively go above and beyond their job descriptions. Lastly, a study on trust and employment relationships by Brandl (2021) pointed out that organizations fostering mutual trust between employees and management experience more frequent improvements in firm profitability. These findings underscore the importance of fostering positive workplace relationships for overall organizational success.

Workload Improvement Perspectives

The respondents have rated "workload" with an average mean of 3.03 out of a maximum rating of 4.0, making it the lowest rating among the three factors. This suggests there is room for improvement, and although respondents generally agree that workload has positively affected their job performance, the 0.97 difference signals an opportunity for management to make improvements. To optimize employee performance without overwhelming them, it is essential to understand the concept of the capacity zone. The capacity zone is the area where the human capacity to perform work meets the stress limit, as introduced in a study on human capacity zone and workload equilibrium by Zhao et al. (2023). Improving the capacity zone involves considering factors such as mental capacity, maximum worker efficiency, and stress limit. Enhancing employees' stress management skills is logical to address stress limits. A study on mental workloads and stress levels by Fikri et al. (2023) found that such skills can lessen the impact of high mental workload. Optimizing worker efficiency involves factors like personal commitment and creative self-efficacy, as shown in a study by Sarwat & Abbas (2020). Hiring self-motivated individuals and creating a supportive work environment, as highlighted in a study on supervisor support and job performance by Zeb et al. (2022), can contribute to elevating the organizational capacity zone. Furthermore, relentless training and development, as revealed in a study on the impact of professional development on job performance by Osiesi et al. (2022), can enhance mental capacity and

efficiency. The use of modern technology, as demonstrated in a study by Deng et al. (2022), positively affects decision-making and knowledge-sharing, contributing to improved job performance. Considering all workload components, organizations could devise a workload calculator to facilitate and minimize problems with workload assignments. Bao et al. (2023) asserted that a workload calculator based on work pace and overall workload could be effective in this regard. These insights provide a comprehensive approach for organizations to address and optimize workload for enhanced employee performance.

Test for Significant Differences between the Ratings of Work Training, Workplace Relationships, and Workload

Table 2. Test for Significant Differences between the Ratings of Work Training, Workplace Relationships, and Workload

n = 183					
	SS	df	MS	F	p-value
Between Groups	2.631	2	1.316	31.185	0.000
Within Groups	23.035	546	0.0422		
Total	25.666	548			

Since the p-value is less than the selected significance level of 0.05, there is a statistically significant difference between the means of the responses of call center agents on the factors focused on in the study, namely work training, workplace relationships, and workload. Despite the minor differences in the average means of these factors, they are considered statistically different based on the employed statistical computation. This implies that, in terms of priority for interventions, the factor affecting work performance with the least mean should be addressed first. According to the results, workload would be the top priority, followed by work training and then workplace relationships. This order is based on the statistical significance of the differences in mean responses. In a study by Kaushik et al. (2021), it is highlighted that when items included in the study exhibit significant variations, tailored interventions become necessary. This reinforces the importance of addressing specific factors based on their impact and statistical significance to effectively enhance overall work performance in the call center setting.

Conclusions

Based on the findings of the study, the following conclusions were deduced.

1. Work training, workplace relationships, and workload were found to positively

influence job performance based on responses of call center agents.

- 2. Work training, workplace relationships, and workload were experienced by call center agents at the same rating classification which is a level lower than the highest possible rating, signaling the need for intervention.
- 3. There are significant differences between the ratings of work training, workplace relationships, and workload.
- 4. All three factors affecting job performance were suggested for interventions for improvements, beginning with workload with the lowest rating.

Recommendations

After considering the conclusions, recommendations were directed to the management of the call center focused on the study, to the management of other call centers, and to future researchers.

- 1. It was recommended to the call center management focused on the study to initiate improvements in all three factors that affect job performance beginning with workload which had the lowest rating.
- 2. It was recommended to the management of other call center organizations to implement job performance improvement initiatives by elevating levels of performance

capacity zone, mutual trust between workers and management, and comprehensive training that are both responsive to trends and are translated into effective job performance.

3. It was recommended that other researchers conduct studies related to the improvement of capacity zones, mutual trust development, and training systems that are both responsive and effective.

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References

- Abugre, J. B., & Acquaah, M. (2022). A contextual study of co-worker relationship and turnover intentions: the mediating role of employee cynicism. African Journal of Economic and Management Studies, 13(2), 219–235. https://doi.org/10.1108/ajems-08-2021-0384
- Ahmad, H. R., & Hariasih, M. (2023). The effect of motivation, work environment, workload on job satisfaction through performance as intervening variables in construction companies in Mojokerto. Academia Open, 8. <u>https://doi.org/10.21070/acopen.8.2023</u>.3583
- Akça, M., & Küçükoğlu, M. T. (2022). Relationships between mental workload, burnout, and job performance. In IGI Global eBooks (pp. 877–897). <u>https://doi.org/10.4018/978-1-6684-</u> 2405-6.ch044
- Alarfaj, A. A., & Al-Nasser, S. (2023). Evaluating Gaps in Otolaryngology Training: An In-Depth Needs Assessment in Saudi Arabia. Healthcare, 11(20), 2741. <u>https://doi.org/10.3390/healthcare1120</u> 2741
- Ali, S. A., Mujahid, K., & Umar, M. (2021). Feel like quitting the job? A causal attribution approach to social and work overload consequences. Management Research Review, 45(11), 1431–1449.

https://doi.org/10.1108/mrr-03-2021-0180

- Aljumah, A. (2023). The impact of job training on recruitment and employability skills among graduates. International Journal of Professional Business Review, 8(10), e02806. <u>https://doi.org/10.26668/businessreview/2023.v8i10.2806</u>
- Andri, S., & Mandataris, M. (2023b). The effect of job training, job supervision and employee commitment to job performance. Jurnal Pamator, 16(2), 377–385. <u>https://doi.org/10.21107/pamator.v16i2.20017</u>
- Angulo, P. S., Beloro, R. O., Cruz, H. A., & Quimson, J. S. (2023). Evaluation of Job Satisfaction and Retention of Female Uniformed Personnel at The Civil Relations Service as A Result of Gender-Responsive Programs. International Journal of Multidisciplinary: Applied Business and Education Research, 4(11), 3999-4008. https://doi.org/10.11594/ijma-ber.04.11.20
- Ansar, A., Sumar, W. T., & Laiya, N. (2023). The relationship between leadership quality and work climate with work motivation Employees in the Administrative Department of Junior High Schools in Gorontalo City. Devotion, 4(2), 402–415. <u>https://doi.org/10.36418/devotion.v4i2.395</u>
- Asmala, R. S., Rialmi, Z., & Subur, S. (2021). The influnce of discipline, work stress, and organizational culture on work productivity of PT Telkom Indonesia Bogor. Al Tijarah, 7(2), 90. <u>https://doi.org/10.21111/tijarah.v7i2.6550</u>
- Assiddiki, A. H. (2023). Influence of leadership and work environment on job satisfaction and its impact on employee performance. International Journal of Business, Management and Economics, 4(4), 293–310. <u>https://doi.org/10.47747/ijbme.v4i4.14</u> 54
- Astuti, R. J., & Harnuansa, H. A. (2022). The effect of employee training on organizational commitment and turnover intention: a mediating role of job satisfaction. Journal of Economics, Management and Trade, 61–69.

https://doi.org/10.9734/jemt/2022/v28 i830430

Ateeq, A. A., Alzoraiki, M., Milhem, M., & Al-Absy, M. S. M. (2023b). Impact of employee loyalty on job performance: Mediating role of job satisfaction on the example of Zain company, Bahrain. Problems and Perspectives in Management, 21(2), 470–481. https://doi.org/10.21511/ppm.21(2).20

<u>https://doi.org/10.21511/ppm.21(2).20</u> 23.44

- Baek, S., Yoon, J., & Won, J. U. (2023). Reciprocal longitudinal associations of supportive workplace relationships with depressive symptoms and self-rated health: A study of Korean women. Social Science & Medicine, 333, 116176. <u>https://doi.org/10.1016/j.socscimed.202</u> <u>3.116176</u>
- Bao, S., Lin, J., Howard, N., & Lee, W. (2023). Development of Janitors' workload calculator. Proceedings of the Human Factors and Ergonomics Society Annual Meeting. <u>https://doi.org/10.1177/216950672311</u> <u>92623</u>
- Baragona, J. C., & Bermudo, P. J. V. (2023b). Knowledge, skills, and performance in biorisk management among allied health educators in the University of Perpetual Help System Jonelta. Technium Social Sciences Journal, 44, 332–351. <u>https://doi.org/10.47577/tssj.v44i1.895</u> 6
- Barbaroş, A., & Bocoş, M. (2023). Mentorship for teacher induction. The analysis of the training needs of the beginning teachers. Educația 21, 25, 314–320. <u>https://doi.org/10.24193/ed21.2023.25.</u> <u>35</u>
- Batarfi, R. F., Bakhsh, A. M. A., Alghamdi, I. D., & Alotaibi, F. A. (2023). Revealing the relation between job satisfaction and workload: A cross-sectional study in the emergency department. Annals of Medicine and Surgery, Publish Ahead of Print. <u>https://doi.org/10.1097/ms9.00000000</u> 00000600
- Bella, K. (2023). EXPLORING THE IMPACT OF WORKPLACE RELATIONSHIPS AND EM-PLOYEE JOB SATISFACTION. International Journal of Scientific Research in

Modern Science and Technology, 2(8), 55–62.

https://doi.org/10.59828/ijsrmst.v2i8.1 36

- Brandl, B. (2021, January 13). Trust as the cement in the employment relationship? The role of trust in different workplace employment relations regimes. Journal of Organizational Effectiveness: People and Performance, 8(1), 80–96. <u>https://doi.org/10.1108/joepp-08-2020-0139</u>
- Cayupe, J. C., Bernedo-Moreira, D. H., Morales-García, W. C., López-Alcaraz, F., Peña, K. .B. C., Saintila, J., & Flores-Paredes, A. (2023). Self-efficacy, organizational commitment, workload as predictors of life satisfaction in elementary school teachers: the mediating role of job satisfaction. Frontiers in Psychology, 14. <u>https://doi.org/10.3389/fpsyg.2023.106</u> 6321
- Demir, A., & Ergün, E. (2023). Justice fosters the effect of Team-Building interventions on viability and performance. Sustainability, 15(15), 12023. https://doi.org/10.3390/su151512023
- Deng, H., Duan, S. X., & Wibowo, S. (2022, March 2). Digital technology driven knowledge sharing for job performance. Journal of Knowledge Management, 27(2), 404–425. <u>https://doi.org/10.1108/jkm-08-2021-0637</u>
- Diantari, A. a. S. P. (2023). The Effect of Training and Motivation on Employee Performance Mediated by Job Satisfaction at The Agriculture Service of Tabanan District. Jagaditha : Jurnal Ekonomi & Bisnis, 10(1), 104–109. <u>https://doi.org/10.22225/jj.10.1.2023.1</u> 04-109
- Dirdjo, M. M., Syahab, S. R., Sureskiarti, E., & Suwanto, S. (2023). Job satisfaction and nurse performance. Jurnal Ilmu Kesehatan, 11(1), 25–40. https://doi.org/10.30650/jik.v11i1.3700
- Dixit, R., & Sinha, V. (2022, February 11). Investigating tools and techniques to promote workplace training transfer. Journal of Workplace Learning, 34(6), 513–531.

https://doi.org/10.1108/jwl-04-2021-0052

- Ekaputri, N. U., & Riyanto, A. (2022). The effect of work stress, work conflict, and work environment on work productivity Case study on project design and project build at Interior Design Company in Bandung. Journal of Economics, Management, Business and Accounting, 2(2), 127–138. <u>https://doi.org/10.34010/jemba.v2i2.81</u> <u>98</u>
- Farsole, A. (2023). The relationship between job satisfaction and employee performance. Indian Scientific Journal of Research in Engineering and Management, 07(08).

https://doi.org/10.55041/ijsrem25487

- Fikri, Z., Bellarifanda, A., Sunardi, S., 'Ibad, M. R., & Mu'jizah, K. (2023). The relationship between mental workload and nurse stress levels in hospitals. Healthcare in Low-resource Settings. https://doi.org/10.4081/hls.2023.11817
- Foy, T., Dwyer, R. J., Nafarrete, R., Hammoud, M. S. S., & Rockett, P. (2019, July 8). Managing job performance, social support and work-life conflict to reduce workplace stress. International Journal of Productivity and Performance Management, 68(6), 1018–1041.

https://doi.org/10.1108/ijppm-03-2017-0061

- Foy, T., Dwyer, R. J., Nafarrete, R., Hammoud, M. S. S., & Rockett, P. (2019). Managing job performance, social support and work-life conflict to reduce workplace stress. International Journal of Productivity and Performance Management, 68(6), 1018– 1041. <u>https://doi.org/10.1108/ijppm-03-2017-0061</u>
- Gerlach, G. (2019). Linking justice perceptions, workplace relationship quality and job performance: The differential roles of vertical and horizontal workplace relationships. Zeitschrift Fur Personalforschung, 33(4), 337–362. https://doi.org/10.1177/239700221882 4320
- Gil, M. F. H., Hernández, J. a. R., Ibáñez-López, F. J., Llor, A. M. S., Valcárcel, M., Mikla, M., & Montesinos, M. J. L. (2022). Relationship

between Job Satisfaction and Workload of Nurses in Adult Inpatient Units. International Journal of Environmental Research and Public Health, 19(18), 11701. <u>https://doi.org/10.3390/ijerph1918117</u> 01

- Grošelj, M., Černe, M., Penger, S., & Grah, B. (2020, June 3). Authentic and transformational leadership and innovative work behaviour: the moderating role of psychological empowerment. European Journal of Innovation Management, 24(3), 677– 706. <u>https://doi.org/10.1108/ejim-10-2019-0294</u>
- Hakro, T. H., Jhatial, A. A., & Chandio, J. A. (2022). EXPLORING THE INFLUENCE OF WORK OVERLOAD AND JOB STRESS ON EMPLOYEES TURNOVER INTENTIONS. Gomal University Journal of Research, 38(02), 193–204. https://doi.org/10.51380/gujr-38-02-06
- Haq, F. I. U., Alam, A., Mulk, S. S. U., & Rafiq, F. (2020). The effect of stress and work overload on employee's performance: a case study of public sector Universities of Khyber Pakhtunkhwa. European Journal of Business and Management Research, 5(1).

https://doi.org/10.24018/ejbmr.2020.5. 1.176

- Hasan, D., Lailla, N., Tantri, M., Ali, S., & Ramadhan, M. (2023). Training and Career Development: Why and When related to Job Satisfaction and its impact on Employee Performance. Journal of Business and Behavioural Entrepreneurship, 6(2), 69–81. <u>https://doi.org/10.21009/jobbe.006.2.0</u> 6
- Hauret, L., & Williams, D. R. (2020, April 30). Workplace diversity and job satisfaction. Equality, Diversity and Inclusion: An International Journal, 39(4), 419–446. <u>https://doi.org/10.1108/edi-01-2019-</u>0030
- Herawati, H., Setyadi, D., Michael, M., & Hidayati, T. (2023). The Effect of Workload, Supervisor, and Coworker Supports on Job Performance through Job Satisfaction. International Journal of Finance Economics and Business, 2(1), 13–33. https://doi.org/10.56225/ijfeb.v2i1.168

- Hidayat, M., & Aulia, A. (2023). The effect of work life balance on millennial generation productivity in Makassar City. Journal La Sociale, 4(2), 76–86. <u>https://doi.org/10.37899/journal-la-sociale.v4i2.819</u>
- Ichbal, M., & Ubaidillah, H. (2023). The Effect of Career Development, Job Placement and Job Training on the Performance of Bank Employees with Job Satisfaction as Moderating Variable. Academia Open, 8. <u>https://doi.org/10.21070/acopen.8.2023</u>. <u>.3773</u>
- Jannah, S. N., & Sumartik. (2023). Improving employee performance: the impact of job analysis, work discipline, and workload. Indonesian Journal of Law and Economics Review, 19. https://doi.org/10.21070/ijler.v19i0.909
- Jannah, S. N., & Sumartik. (2023). Improving employee performance: the impact of job analysis, work discipline, and workload. Indonesian Journal of Law and Economics Review, 19.

https://doi.org/10.21070/ijler.v19i0.909

- Jasiński, A. M., & Derbis, R. (2022). Work stressors and intention to leave the current workplace and profession: The mediating role of negative affect at work. International Journal of Environmental Research and Public Health, 19(21), 13992. <u>https://doi.org/10.3390/ijerph1921139</u> 92
- Jha, S. (2023, February 16). Workplace loneliness and job performance: moderating role of person-environment fit. Industrial and Commercial Training, 55(2), 213– 233. <u>https://doi.org/10.1108/ict-06-2022-0041</u>
- Judeh, M. (2023). Job delight and organizational citizenship behavior: Role of teamwork cohesion as a mediator. Problems and Perspectives in Management, 21(1), 131– 140.

https://doi.org/10.21511/ppm.21(1).20 23.12

Kalra, A., Itani, O. S., & Sun, S. (2023). "Turning role conflict into performance": assessing the moderating role of self-monitoring, manager trust and manager identification. Journal of Service Theory and Practice, 33(3), 436-461. https://doi.org/10.1108/jstp-08-2022-0163

- Kaushik, A., Ravikiran, S. R., Suprasanna, K., Nayak, M. G., Baliga, K., & Acharya, S. D. (2021). Depression, anxiety, stress and workplace stressors among nurses in tertiary health care settings. Indian Journal of Occupational and Environmental Medicine, 25(1), 27. <u>https://doi.org/10.4103/ijoem.ijoem 12</u> <u>3.20</u>
- Khan, M., Raya, R. P., & Viswanathan, R. (2021, April 30). Enhancing employee innovativeness and job performance through a culture of workplace innovation. International Journal of Productivity and Performance Management, 71(8), 3179–3204. <u>https://doi.org/10.1108/ijppm-09-2020-0466</u>
- Kim, E. J., & Park, S. (2019, October 7). The role of transformational leadership in citizenship behavior. International Journal of Manpower, 40(7), 1347–1360. <u>https://doi.org/10.1108/ijm-12-2018-0413</u>
- Kim, S., Joung, J., & Oh, S. (2023). A Study of the Effects of Individual Competenceson Job Satisfaction and Job Performance: For those working in the beauty service industry. Han'gug Miyong Haghoeji, 29(5), 1222–1230.

https://doi.org/10.52660/jksc.2023.29.5 .1222

- Koerner, S., Staller, M. S., & Kecke, A. (2020, December 1). "There must be an ideal solution. . ."Assessing training methods of knife defense performance of police recruits. Policing: An International Journal, 44(3), 483–497. https://doi.org/10.1108/pijpsm-08-2020-0138
- Koto, T., Basir, B., & Handayani, R. S. (2023). Analysis of technical training needs for the Pioneer Battalion of Brimob Polda Metro Jaya in the context of securing the national capital. International Journal of Social Service and Research, 3(11), 2834– 2841.

https://doi.org/10.46799/ijssr.v3i11.58 9

- Kurniawan, A. (2023). Job satisfaction and employee performance in Indonesia. SAJMR Southeast Asian Journal of Management and Research, 1(1), 01–18. <u>https://doi.org/10.61402/sajmr.v1i1.2</u>
- Leger, K. A., Lee, S., Chandler, K., & Almeida, D. M. (2022). Effects of a workplace intervention on daily stressor reactivity. Journal of Occupational Health Psychology, 27(1), 152–163. https://doi.org/10.1037/ocp0000297
- Luiz, T. T., & Beuren, I. M. (2024). Influence of the performance measurement system on job satisfaction and organizational commitment. RAM. Revista De Administração Mackenzie, 25(1). https://doi.org/10.1590/1678-6971/eramg240205.en
- M.M.S.Madushika, & R. G. Ariyawansa. (2022, May 5). The Effect of Work Place Design on Employee Job Engagement: Evidence from Public Commercial Banks in Colombo. Sri Lanka Journal of Real Estate, 18(02).

https://doi.org/10.31357/sljre.v18i02.5 634

- Mac, Y. T. H., Cuong, T. T., Thao, T. P., & Linh, B. P. (2023). The impact of job satisfaction on job performance of tax officials: an empirical study in Vietnam. International Journal of Professional Business Review, 8(10), e03275. https://doi.org/10.26668/businessre-
- view/2023.v8i10.3275 Madukwe, R. E., & Umunakwe, H. C. (2023). Analysis of the consequences of Job-Pressure among skilled workers on performance standards in the building industry in South-Eastern Nigeria. Research Journal of Engineering and Technology, 9(4),

22–29. https://doi.org/10.36630/jpses 23013

Manoharan, K., Dissanayake, P., Pathirana, C., Deegahawature, D., & Silva, R. (2022, October 5). Assessing the performance and productivity of labour in building construction projects through the application of work-based training practices. Construction Innovation. <u>https://doi.org/10.1108/ci-05-2022-0126</u>

- Maqableh, O., Helalat, A., & Nor, C. S. M. (2023). Exploring the mediating influence of job satisfaction on the relationship between job security and turnover intention: A case study of the hospitality industry of Jordan. Problems and Perspectives in Management, 21(1), 384–395. <u>https://doi.org/10.21511/ppm.21(1).20</u> 23.33
- Maulana, A., Amanda, R., & Sumardin. (2023). THE INFLUENCE OF JOB SATISFACTION AND WORKLOAD ON EMPLOYEE PER-FORMANCE AT PT ANGKASA AVIASI SER-VIS BRANCH PEKANBARU. PENANOMICS International Journal of Economics, 2(2), 1–9. <u>https://doi.org/10.56107/penanomics.v2i2.117</u>
- Melhem, Y. S., BanyHani, I. a. H., Aityassine, F. L.
 Y., Al-Adamat, A. M., Alolayyan, M. N., Al-Hawary, S. I. S., Mohammad, A., Alqahtani, M. M., & Alshurideh, M. (2023). The impact of job insecurity on Employees job performance among employees working at Save the Children in Jordan. In Studies in computational intelligence (pp. 943–960). https://doi.org/10.1007/978-3-031-12382-5 50
- Moerdler, S., DuVall, A., Hayes-Lattin, B., Grimes, A., Prasad, P., Molina, J. C., Monga, V., Freyer, D. R., & Roth, M. (2023). Gaps in adolescent and young adult cancer education in oncology fellowship training. Journal of Adolescent and Young Adult Oncology.

https://doi.org/10.1089/jayao.2023.005 6

- Mtotywa, M. M., & Mdlalose, S. (2023). The influence of assessment on training to improve productivity of construction companies. Problems and Perspectives in Management, 21(1), 169–182. <u>https://doi.org/10.21511/ppm.21(1).20</u> 23.15
- Mutegi, T. M., Joshua, P. M., & Kinyua, J. M. (2023). Workplace safety and employee productivity of manufacturing firms in Kenya. Cogent Business & Management, 10(2).

https://doi.org/10.1080/23311975.202 3.2215569 Nabilla, M., Budiono, B., Witjaksono, A. D., & Wardoyo, D. T. W. (2023). The Effect of Organizational Trust and Job Satisfaction on Job Performance with Employee Engagement as a Mediating Variable. International Journal of Multidisciplinary, 4(9), 3418–3428.

https://doi.org/10.11594/ijmaber.04.09.26

- Nadiyya, A., & Rini, H. P. (2023). The Role of Employment Satisfaction Mediation on The Effect of Reward on Employee Performance. International Journal of Multidisciplinary: Applied Business and Education Research, 4(11), 3800–3807. <u>https://doi.org/10.11594/ijmaber.04.11.01</u>
- Narsico, L. O. & Narsico, P. G. (2023b). Technical Curriculum Implementation and Evaluation Framework. International Journal of Multidisciplinary: Applied Business and Education Research. 4(12), 4168 – 4181. doi:10.11594/ijmaber.04.12.02
- Narsico, L. O., Narsico, P. G., & Polinar, M. A. N. (2023a). Teaching Styles and Teaching Performance of the Faculty of A University in Cebu City: Basis for A Faculty Development Program. International Journal of Multidisciplinary: Applied Business and Education Research. 4(1), 213 – 219. doi:10.11594/ijmaber.04.01.19
- Narsico, L. O., Narsico, P. G., & Polinar, M. A. N. (2023b). Teaching Style and Performance of The Faculty of a Technical School in Cebu City. International Journal of Multidisciplinary: Applied Business and Education Research. 4(10), 3499 –3506. doi:10.11594/ijmaber.04.10.05
- Nathiqah, & Pancasasti, R. (2022). INFLUENCE OF WORK COMPETENCY, WORKLOAD, AND JOB TRAINING ON THE WORK AC-TIVITY OF LAZADA LOGISTICS COURIER. Management Science Research Journal, 1(3), 23–42.

https://doi.org/10.56548/msr.v1i3.19

Niere, M. I. E., Mecon, Narsico, L. O., & Narsico, P. G. (2023). Workplace Stressors, Employee Welfare, Productivity. International Journal of Multidisciplinary: Applied Business and Education Research. 4(12), 4379 – 4389. doi:10.11594/ijmaber.04.12.18

- Obinwanne, C. O., & Kpaji, O. L. (2022). Effect of work life balance in organizational productivity in tourism centers in Port Harcourt, Rivers State, Nigeria. International Journal of Hospitality and Tourism Studies, 3(1), 32–39. <u>https://doi.org/10.31559/ijhts2022.3.1.</u> <u>4</u>
- Osiesi, M. P., Odobe, V. T., Sanni, K. T., Adams, A. B., Oke, C. C., Omokhabi, U. S., & Okorie, N. C. (2022, February 22). An assessment of the impact of professional development and training on job performance of library staff in Federal University Oye Ekiti libraries, Nigeria. Library Management, 43(3/4), 228–239. https://doi.org/10.1108/lm-10-2021-0091
- Prayitno, H., Ekohariadi, Cholik, M., Supardam, D., & Wibisono, W. D. (2023). The relationship between on the job training flight operation officer and job readiness. International Journal of Science and Society, 5(3), 218–227.

https://doi.org/10.54783/ijsoc.v5i3.740

Purnama, A. F., Wulandari, W., & Mulyono. (2023). The Effect Of Perceived Organizational Support (POS) On Job Stress In Employees Of CV. Skipperwebs With Work Overload As Mediation. Conference on Economic and Business Innovation (CEBI), 405-412. https://doi.org/10.31328/cobi.v3i1.367

https://doi.org/10.31328/cebi.v3i1.367 Putra, A. S. B., Kusumawati, E. D., & Kartikasari, D. (2023, November 21). Psychological Empowerment and Psychological Well-Being as Job Performance Mediators. Journal of Business Management and Eco-

- nomic Development, 2(01), 127–141. https://doi.org/10.59653/jbmed.v2i01.3 72
- Rahmat, A., Ibrahim, I., Senathirajah, A. R. B. S., & Zainudin, A. D. (2023). The determinant factors of green office layout towards employee workplace productivity. International Journal of Professional Business Review, 8(4), e0932. <u>https://doi.org/10.26668/businessreview/2023.v8i4.932</u>

- Rimadianti, G., & Supartha, I. W. G. (2023). The Effect of Training and Competence on Employee Job Satisfaction with Motivation As A Mediator: A Study on Regional Office Of The Badan Pertanahan Nasional Yogyakarta Special Region. Russian Journal of Agricultural and Socio-Economic Sciences, 139(7), 114–121. <u>https://doi.org/10.18551/rjoas.2023-07.12</u>
- Riyanto, S., Handiman, U. T., Gultom, M. D., Gunawan, A., Putra, J. M., & Budiyanto, H. (2023). Increasing job satisfaction, organizational commitment and the requirement for competence and training. Emerging Science Journal, 7(2), 520–537. <u>https://doi.org/10.28991/esj-2023-07-02-016</u>
- Sangadji, R., Zainal, V. R., & Hakim, A. (2023). The Relationship between Welfare and Work Motivation with the Work Productivity of Family Planning Extension Workers in the Administrative City of East Jakarta. INTERNATIONAL JOURNAL OF SO-CIAL SCIENCE AND EDUCATION RE-SEARCH STUDIES, 03(10). https://doi.org/10.55677/ijssers/v03i10y2023-13
- Sari, M., Dahrani, & Sagala, N. A. (2023). Determinants of employee performance at public hospitals in Indonesia: Examining the moderating role of organizational culture. Problems and Perspectives in Management, 22(1), 57–68. <u>https://doi.org/10.21511/ppm.22(1).20</u> 24.06
- Sarwat, N., & Abbas, M. (2020, September 28). Individual knowledge creation ability: dispositional antecedents and relationship to innovative performance. European Journal of Innovation Management, 24(5), 1763–1781.

https://doi.org/10.1108/ejim-05-2020-0198

- Schoger, L. I. (2023). Coping with work-related stressors: does education reduce workrelated stress? Journal of Public Health. <u>https://doi.org/10.1007/s10389-023-</u>02070-5
- Sellar, T. (2022). Effect of training and career development on employee performance:

Moderating effect of job satisfaction. Zenodo (CERN European Organization for Nuclear Research). https://doi.org/10.5281/zenodo.7349422

Şeşen, H., & Ertan, Ş. S. (2021). The effect of the employee perceived training on job satisfaction: the mediating role of workplace stress. European Journal of Training and Development, 46(9), 953–973. <u>https://doi.org/10.1108/ejtd-01-2021-0014</u>

- Simbolon, S., Sutiono, L., & Simbolon, D. M. (2023). The effect of leadership style, work stress and commitment on employee work productivity at PT. Lunadorii Utama in Medan, Indonesia. International Journal of Finance Economics and Business, 2(1), 1–12. https://doi.org/10.56225/ijfeb.v2i1.167
- Striler, J., Shoss, M. K., & Jex, S. M. (2020). The relationship between stressors of temporary work and counterproductive work behaviour. Stress and Health, 37(2), 329– 340. <u>https://doi.org/10.1002/smi.2998</u>
- Sukriani, N., Febrina, D., & Dewi, D. S. (2023b). Knowledge, abilities, skills and its impact on business performance of business actors in the culinary sector. International Journal of Islamic Business and Management Review, 3(1), 119–129. <u>https://doi.org/10.54099/ijibmr.v3i1.61</u> <u>9</u>
- Susilo, R. A., & Kasmir, K. (2022, December 17). The Effect of Job Training, Work Motivation, Occupational Health and Safety (K3) on Employee Performance at Cibitung Medika Hospital. Journal of Social Research, 2(1), 234–243. https://doi.org/10.55324/josr.v2i1.511
- Tian, X., & Guo, Y. (2023). The effect of deviant workplace behavior on job performance: The mediating role of organizational shame and moderating role of perceived organizational support. Behavioral Sciences, 13(7), 561. https://doi.org/10.3390/bs13070561
- To, W. M., & Huang, G. (2022, July 5). Effects of equity, perceived organizational support and job satisfaction on organizational commitment in Macao's gaming industry.

Management Decision, 60(9), 2433–2454. https://doi.org/10.1108/md-11-2021-1447

- Tran, L. T. T., Thi Vinh Hien, H., & Baker, J. (2020, December 22). When supportive workplaces positively help work performance. Baltic Journal of Management, 16(2), 208–227. <u>https://doi.org/10.1108/bjm-06-2020-0220</u>
- Ufoaroh, E. T., Annulika, U., & Anyadufu, A. O. (2019). Employee Welfare Package and Its Impact on Productivity (A Case Study of Roesons Industries Ltd Enugu-Ukwu, Anambra State, Nigeria). Asian Journal of Economics, Business and Accounting, 1– 15.

https://doi.org/10.9734/ajeba/2019/v1 1i130119

- Vuong, B. N., Tushar, H., & Hossain, S. F. A. (2022, June 16). The effect of social support on job performance through organizational commitment and innovative work behavior: does innovative climate matter? Asia-Pacific Journal of Business Administration, 15(5), 832–854. <u>https://doi.org/10.1108/apjba-06-2021-0256</u>
- Wang, C. H., & Chen, H. T. (2020, May 31). Relationships among workplace incivility, work engagement and job performance. Journal of Hospitality and Tourism Insights, 3(4), 415–429. https://doi.org/10.1108/jhti-09-2019-0105

Wulandari, M., Jimad, H., & Ribhan, R. (2023). The Influence of Organizational Commitment and Training on Employee Performance at Perum Bulog Makassar with Job Satisfaction as an Intervening Variable. International Journal of Environmental, Sustainability and Social Science, 4(5), 1345– 1351.

https://doi.org/10.38142/ijesss.v4i5.78 0

Yusnita, N. (2023). THE EFFECT OF WORK EN-VIRONMENT ON PERFORMANCE THROUGH JOB SATISFACTION. The Management Journal of Binaniaga, 8(1), 27– 40.

https://doi.org/10.33062/mjb.v8i1.20

- Zeb, A., Goh, G. G. G., Javaid, M., Khan, M. N., Khan, A. U., & Gul, S. (2022, April 11). The interplay between supervisor support and job performance: implications of social exchange and social learning theories. Journal of Applied Research in Higher Education, 15(2), 429–448. <u>https://doi.org/10.1108/jarhe-04-2021-0143</u>
- Zhao, M., Qiu, D., & Zeng, Y. (2023). How much workload is a 'good' workload for human beings to meet the deadline: human capacity zone and workload equilibrium. Journal of Engineering Design, 34(8), 644–673.

https://doi.org/10.1080/09544828.202 3.2249216