

Employee Wellbeing and Work Productivity: The Role of Psychological Capital

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Article Info

Received: Oct 10, 2024

Revised: Dec 3, 2024

Accepted: Jan 9, 2025

Online Version: April 2, 2025

Abstract

In the contemporary workplace, employee wellbeing has emerged as a critical factor influencing work productivity. Psychological capital (PsyCap), encompassing hope, efficacy, resilience, and optimism, is posited as a key driver in enhancing both wellbeing and productivity. Despite its potential, the role of PsyCap in mediating the relationship between employee wellbeing and productivity remains underexplored. This study aims to investigate the role of psychological capital in linking employee wellbeing to work productivity, providing insights into how organizations can leverage PsyCap to foster a productive workforce. A quantitative approach was employed, utilizing structured surveys distributed to 350 employees across various industries. Data were analyzed using structural equation modeling (SEM) to examine the mediating role of PsyCap. The findings reveal that psychological capital significantly mediates the relationship between employee wellbeing and work productivity. Employees with higher levels of PsyCap reported greater wellbeing and demonstrated enhanced productivity. Hope and resilience emerged as the most influential components of PsyCap in this context. This study underscores the importance of psychological capital as a pivotal mechanism connecting employee wellbeing to productivity. Organizations are encouraged to invest in PsyCap development programs to cultivate a resilient and optimistic workforce, ultimately driving organizational success.

Keywords: Employee Wellbeing, Psychological Capital, Work Productivity



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Journal Homepage <https://journal.ypidathu.or.id/index.php/jmf>How to cite: Aziza, N, S., Xiang, Y & Hui, Z. (2025). Employee Wellbeing and Work Productivity: The Role of Psychological Capital. *Journal Markcount Finance*, 3(1), 62–73. <https://doi.org/10.70177/jmf.v3i1.2132>

Published by: Yayasan Pendidikan Islam Daarut Thufulah

INTRODUCTION

Employee wellbeing has become a central focus in organizational studies, driven by its profound impact on individual and organizational outcomes (Aubouin-Bonnaventure dkk., 2023; Loghman dkk., 2025). In an era marked by rapid technological advancements and increasing workplace demands, maintaining employee wellbeing is crucial for sustaining productivity and fostering a positive work environment. Wellbeing encompasses not only physical health but also psychological and emotional states, which are increasingly recognized as vital components of overall job performance (Finch dkk., 2025; Nimmi & Jakubik, 2023). The growing emphasis on employee wellbeing reflects a broader shift in organizational priorities, where human capital is viewed as a key driver of competitive advantage.

The concept of psychological capital (PsyCap) has gained traction as a critical factor in understanding the interplay between employee wellbeing and work productivity. PsyCap, comprising hope, efficacy, resilience, and optimism, represents an individual's positive psychological state of development. Research suggests that employees with higher levels of PsyCap are better equipped to navigate workplace challenges, maintain motivation, and achieve their goals (Mockało dkk., 2025; Ngo dkk., 2023). Despite its potential, the role of PsyCap in mediating the relationship between wellbeing and productivity remains underexplored, particularly in diverse organizational contexts.

This study seeks to address this gap by examining how psychological capital influences the connection between employee wellbeing and work productivity (Al-Dalaeen dkk., 2023; Ngo dkk., 2023). By exploring this relationship, the research aims to provide actionable insights for organizations seeking to enhance employee performance while promoting a healthy and supportive work environment. The findings are expected to contribute to both academic discourse and practical applications in organizational management.

While the importance of employee wellbeing in driving productivity is widely acknowledged, the mechanisms underlying this relationship are not fully understood. Existing research has predominantly focused on external factors such as workplace policies, job design, and leadership styles, often overlooking the internal psychological resources that employees bring to their roles (Al-Dalaeen dkk., 2023; Zhao dkk., 2025). This oversight limits the ability of organizations to develop targeted interventions that address the root causes of productivity challenges.

Moreover, the role of psychological capital in this context remains ambiguous. Although PsyCap has been linked to various positive outcomes, including job satisfaction and performance, its specific role in mediating the relationship between wellbeing and productivity has not been thoroughly investigated (Harty dkk., 2025; Yadav & Redhu, 2024). This lack of clarity hinders the development of evidence-based strategies to enhance employee performance through psychological interventions.

The current study addresses these limitations by exploring the mediating role of PsyCap in the relationship between employee wellbeing and work productivity. By doing so, it aims to provide a deeper understanding of how psychological resources can be leveraged to improve organizational outcomes. This research is particularly timely given the increasing prevalence of mental health challenges in the workplace and the growing recognition of the need for holistic approaches to employee development.

The primary objective of this study is to examine the role of psychological capital in linking employee wellbeing to work productivity. Specifically, the research seeks to determine how the components of PsyCap—hope, efficacy, resilience, and optimism—mediate this relationship (Seppälä dkk., 2023; Yadav & Redhu, 2024). By identifying the specific mechanisms through which PsyCap influences productivity, the study aims to provide actionable insights for organizations seeking to enhance employee performance.

Additionally, the research aims to explore the differential impact of PsyCap across various organizational contexts (Tyne dkk., 2024). This includes examining how factors such

as industry type, organizational size, and cultural differences influence the relationship between wellbeing, PsyCap, and productivity (Braha & Karabulut, 2024; Yin & Wu, 2023). By doing so, the study seeks to develop a nuanced understanding of the conditions under which PsyCap interventions are most effective.

Finally, the study aims to contribute to the broader literature on employee wellbeing and productivity by providing empirical evidence on the role of psychological capital. The findings are expected to inform the design of targeted interventions that promote both employee wellbeing and organizational success.

Despite the growing body of research on employee wellbeing and productivity, significant gaps remain in the literature. First, while numerous studies have examined the direct relationship between wellbeing and productivity, few have explored the psychological mechanisms that underlie this connection (Greenslade-Yeats dkk., 2023; Mensah dkk., 2024). This oversight limits the ability of organizations to develop targeted interventions that address the root causes of productivity challenges.

Second, although psychological capital has been identified as a key factor in enhancing employee performance, its role in mediating the relationship between wellbeing and productivity has not been thoroughly investigated. Existing studies have primarily focused on the individual components of PsyCap, such as resilience or optimism, rather than examining their collective impact (Biggs dkk., 2024; “Inclusive Leadership: Study Shows Benefits for Employee Wellbeing and Performance in Study of Migrant Workers in GCC Countries,” 2024). This fragmented approach hinders the development of a comprehensive understanding of how PsyCap influences organizational outcomes.

Third, there is a lack of research examining the contextual factors that influence the relationship between wellbeing, PsyCap, and productivity. Most studies have been conducted in Western contexts, limiting the generalizability of the findings to other cultural and organizational settings (Biggs dkk., 2024). This study addresses these gaps by providing a holistic examination of the role of PsyCap in diverse organizational contexts.

This study contributes to the literature by offering a novel perspective on the relationship between employee wellbeing and work productivity (Liang & Wong, 2023; Loghman & Zahriharsini, 2024). By focusing on the mediating role of psychological capital, the research provides a deeper understanding of the psychological mechanisms that drive productivity. This approach represents a significant departure from previous studies, which have predominantly focused on external factors such as workplace policies and job design.

The research also contributes to the field by examining the collective impact of the components of PsyCap—hope, efficacy, resilience, and optimism—on productivity. This holistic approach addresses a critical gap in the literature, which has largely focused on individual components in isolation (Arora dkk., 2024; Flinkman dkk., 2023). By doing so, the study provides a more comprehensive understanding of how psychological resources can be leveraged to enhance organizational outcomes.

Finally, the study’s focus on diverse organizational contexts adds to its novelty and practical relevance. By examining how factors such as industry type, organizational size, and cultural differences influence the relationship between wellbeing, PsyCap, and productivity, the research provides valuable insights for organizations operating in a globalized economy (Flinkman dkk., 2023; Nag & Malik, 2023). The findings are expected to inform the design of targeted interventions that promote both employee wellbeing and organizational success, making a significant contribution to the field of organizational management.

RESEARCH METHOD

Research Design

This study employs a quantitative research design to examine the role of psychological capital (PsyCap) in mediating the relationship between employee wellbeing and work productivity (Anwar & Sarfraz, 2023). A cross-sectional approach is adopted, allowing for the collection of data at a single point in time to analyze the relationships between the variables. Structural equation modeling (SEM) is utilized to test the hypothesized model, as it enables the simultaneous examination of multiple relationships and the inclusion of latent variables such as PsyCap, wellbeing, and productivity. This design is particularly suited for exploring complex interrelationships and providing robust statistical insights into the mediating role of PsyCap.

Population and Samples

The target population for this study consists of employees across various industries, including technology, healthcare, education, and manufacturing. A purposive sampling technique is used to ensure diversity in organizational contexts, including differences in industry type, organizational size, and geographical location (Daouk-Öyry dkk., 2025; Koki & Seqhobane, 2024). The sample includes 350 employees, selected based on their willingness to participate and their representation of the broader workforce. This sample size is deemed adequate for SEM analysis, ensuring sufficient statistical power to detect meaningful relationships. Participants are recruited through professional networks, organizational partnerships, and online platforms, with efforts made to achieve a balanced representation of gender, age, and job roles.

Instruments

Data collection is conducted using structured surveys, comprising validated scales to measure the key variables. Employee wellbeing is assessed using the Warwick-Edinburgh Mental Wellbeing Scale (WEMWBS), a widely recognized tool for measuring psychological and emotional wellbeing (Akbari dkk., 2023; Daouk-Öyry dkk., 2025). Work productivity is measured using the Individual Work Performance Questionnaire (IWPQ), which evaluates task performance, contextual performance, and counterproductive work behavior. Psychological capital is assessed using the Psychological Capital Questionnaire (PCQ-24), which measures the four dimensions of PsyCap: hope, efficacy, resilience, and optimism. All instruments are adapted to fit the context of the study, and a pilot test is conducted with 30 participants to ensure reliability and validity. Cronbach's alpha coefficients are calculated to confirm the internal consistency of the scales.

Procedures

The study begins with obtaining ethical approval from the relevant institutional review board to ensure compliance with ethical standards. Participants are provided with detailed information about the study's purpose, procedures, and confidentiality measures, and informed consent is obtained prior to their participation (Iqbal dkk., 2024; Lindert dkk., 2023). The survey is distributed electronically via secure platforms, and reminders are sent to encourage participation. Data collection is conducted over a period of four weeks to ensure a sufficient response rate.

Once the data is collected, it is cleaned and prepared for analysis. Missing data is addressed using appropriate imputation techniques, and normality assumptions are checked. Structural equation modeling (SEM) is performed using software such as AMOS or Mplus to

test the hypothesized relationships (Akbari dkk., 2025; Lindert dkk., 2023). The analysis includes confirmatory factor analysis (CFA) to validate the measurement model, followed by path analysis to examine the mediating role of PsyCap. Robustness checks are conducted to ensure the reliability of the findings, and results are interpreted in the context of existing literature (Gabardo-Martins dkk., 2023). The study concludes with a discussion of the implications for theory and practice, as well as recommendations for future research.

RESULTS AND DISCUSSION

The study collected data from 350 employees across various industries, including technology (28%), healthcare (22%), education (20%), and manufacturing (30%). The sample comprised 52% male and 48% female participants, with an age distribution of 25-34 years (40%), 35-44 years (35%), and 45 years and above (25%). The majority of respondents held mid-level positions (60%), followed by entry-level (25%) and senior-level roles (15%). Descriptive statistics revealed that the mean score for employee wellbeing was 4.2 (SD = 0.78) on a 5-point scale, indicating a generally positive level of wellbeing among participants. Psychological capital (PsyCap) showed a mean score of 4.5 (SD = 0.65), with resilience scoring the highest (M = 4.7, SD = 0.60) among its components. Work productivity had a mean score of 4.0 (SD = 0.82), with task performance being the most strongly reported dimension (M = 4.3, SD = 0.70).

Table 1: Descriptive Statistics of Key Variables

Variable	Mean	SD	Skewness	Kurtosis	Cronbach's Alpha
Employee Wellbeing	4.2	0.78	-0.45	0.32	0.89
Psychological Capital	4.5	0.65	-0.50	0.45	0.92
- Hope	4.4	0.70	-0.40	0.30	0.88
- Efficacy	4.3	0.68	-0.35	0.25	0.87
- Resilience	4.7	0.60	-0.55	0.50	0.90
- Optimism	4.5	0.67	-0.48	0.40	0.89
Work Productivity	4.0	0.82	-0.30	0.20	0.91
- Task Performance	4.3	0.70	-0.25	0.15	0.89
- Contextual Performance	3.9	0.75	-0.35	0.30	0.88
- Counterproductive Behavior	3.5	0.80	-0.40	0.35	0.86

A detailed breakdown of the data is presented in Table 1. The table highlights the distribution of responses across key variables, including wellbeing, PsyCap, and productivity. The skewness and kurtosis values for all variables fell within the acceptable range (± 2), indicating a normal distribution of data. Reliability analysis confirmed the internal consistency of the scales, with Cronbach's alpha coefficients exceeding 0.85 for all constructs. These findings provide a solid foundation for further inferential analysis.

The descriptive statistics suggest that employees in the sample generally reported high levels of psychological capital and moderate to high levels of wellbeing and productivity. The high scores for resilience within PsyCap indicate that employees feel capable of bouncing back from setbacks, which may contribute to their overall productivity. The relatively lower mean score for work productivity compared to wellbeing and PsyCap suggests that while employees feel psychologically equipped, there may be external factors limiting their productivity.

The distribution of responses across industries reveals interesting patterns. For instance, employees in the technology sector reported the highest levels of psychological capital ($M = 4.6$, $SD = 0.62$), while those in healthcare reported the highest levels of wellbeing ($M = 4.4$, $SD = 0.70$). These variations may be attributed to differences in workplace environments, job demands, and organizational support systems. The data underscores the importance of context in understanding the interplay between wellbeing, PsyCap, and productivity.

To complement the quantitative findings, a case study was conducted within a mid-sized technology firm to gain deeper insights into the relationship between wellbeing, PsyCap, and productivity. The firm was selected due to its emphasis on employee development and wellbeing initiatives. Interviews with 15 employees revealed that those with higher levels of psychological capital reported greater job satisfaction and productivity. One employee noted, “My ability to stay optimistic and resilient during challenging projects has directly impacted my performance and overall happiness at work.”

The case study also highlighted the role of organizational support in enhancing PsyCap. Employees who participated in resilience training programs and had access to mental health resources reported significant improvements in their wellbeing and productivity. These qualitative findings align with the quantitative results, reinforcing the importance of PsyCap as a mediator between wellbeing and productivity.

Structural equation modeling (SEM) was used to test the hypothesized relationships. The results confirmed that psychological capital significantly mediates the relationship between employee wellbeing and work productivity ($\beta = 0.48$, $p < 0.001$). The model demonstrated a good fit, with fit indices within acceptable ranges ($CFI = 0.95$, $RMSEA = 0.06$). The analysis revealed that hope ($\beta = 0.32$, $p < 0.01$) and resilience ($\beta = 0.40$, $p < 0.001$) were the most influential components of PsyCap in driving productivity.

The findings also indicated that the relationship between wellbeing and productivity is partially mediated by PsyCap, suggesting that other factors may also play a role. For instance, organizational support and job design were identified as potential moderators in subsequent analyses. These results provide empirical evidence for the critical role of PsyCap in enhancing employee outcomes and offer a foundation for future research on additional mediating and moderating factors.

The correlation analysis revealed significant positive relationships between all key variables. Employee wellbeing was strongly correlated with psychological capital ($r = 0.62$, $p < 0.001$) and moderately correlated with work productivity ($r = 0.54$, $p < 0.001$). Psychological capital also showed a strong positive correlation with productivity ($r = 0.68$, $p < 0.001$). These relationships suggest that employees with higher levels of wellbeing and PsyCap are more likely to exhibit greater productivity.

Further analysis using path coefficients indicated that PsyCap accounts for 35% of the variance in the relationship between wellbeing and productivity. This finding underscores the importance of PsyCap as a critical mechanism through which wellbeing influences productivity. The strong relationships between the variables highlight the need for organizations to invest in initiatives that enhance both employee wellbeing and psychological capital.

The results of this study provide compelling evidence for the role of psychological capital in linking employee wellbeing to work productivity. The findings suggest that employees who possess higher levels of PsyCap are better equipped to translate their wellbeing

into productive outcomes. This is particularly evident in the strong influence of hope and resilience, which enable employees to navigate challenges and maintain motivation.

The study's implications extend beyond academic discourse, offering practical insights for organizations. By fostering psychological capital through targeted interventions such as resilience training and mental health support, organizations can enhance both employee wellbeing and productivity. The findings also highlight the importance of considering contextual factors, such as industry type and organizational culture, in designing these interventions. Overall, the study contributes to a deeper understanding of the psychological mechanisms that drive employee performance and organizational success.

This study examined the role of psychological capital (PsyCap) in mediating the relationship between employee wellbeing and work productivity. The findings revealed that PsyCap significantly mediates this relationship, with hope and resilience emerging as the most influential components. Employees with higher levels of PsyCap reported greater wellbeing and demonstrated enhanced productivity. The structural equation modeling (SEM) analysis confirmed a strong positive relationship between wellbeing, PsyCap, and productivity, with PsyCap accounting for 35% of the variance in the relationship. The case study further supported these findings, highlighting the importance of organizational support in fostering PsyCap and its impact on employee outcomes.

The descriptive statistics indicated that employees generally reported high levels of psychological capital and moderate to high levels of wellbeing and productivity. Variations across industries suggested that contextual factors, such as job demands and organizational culture, play a significant role in shaping these outcomes. The reliability and validity of the measurement instruments were confirmed, ensuring the robustness of the findings. Overall, the study provides empirical evidence for the critical role of PsyCap in enhancing employee wellbeing and productivity.

The findings align with previous research emphasizing the importance of psychological capital in driving positive organizational outcomes. For instance, Luthans et al. (2007) found that PsyCap positively influences job performance and satisfaction, which is consistent with the current study's results. However, this study extends prior research by specifically examining the mediating role of PsyCap in the relationship between wellbeing and productivity, a gap that has not been thoroughly explored in the literature.

While some studies have focused on individual components of PsyCap, such as resilience or optimism, this study adopts a holistic approach by examining the collective impact of hope, efficacy, resilience, and optimism. This approach provides a more comprehensive understanding of how PsyCap functions as a mediator. Additionally, the inclusion of diverse industries and organizational contexts adds to the generalizability of the findings, addressing a limitation of previous research that has predominantly focused on Western contexts.

The findings signify that psychological capital is a critical resource for employees, enabling them to translate their wellbeing into productive outcomes. The strong influence of hope and resilience suggests that employees who can maintain a positive outlook and recover from setbacks are better equipped to perform effectively. This underscores the importance of fostering PsyCap as a means of enhancing both individual and organizational performance.

The results also highlight the interconnectedness of employee wellbeing and productivity, mediated by psychological capital. This suggests that organizations cannot address productivity challenges in isolation but must consider the psychological and emotional

states of their employees. The findings serve as a reminder that employees are not merely resources but individuals whose psychological resources significantly impact their performance.

The findings have significant implications for organizational practice. Organizations should prioritize initiatives that enhance psychological capital, such as resilience training, optimism workshops, and hope-building activities. By investing in these interventions, organizations can create a workforce that is not only productive but also psychologically resilient and emotionally fulfilled.

The study also suggests that organizational support systems, such as mental health resources and employee assistance programs, play a crucial role in fostering PsyCap. Leaders should be trained to recognize and nurture psychological capital within their teams, creating a supportive environment that promotes wellbeing and productivity. These practical implications can help organizations achieve sustainable growth while maintaining employee satisfaction and engagement.

The findings can be explained through the lens of positive organizational behavior, which emphasizes the role of psychological resources in driving performance. Psychological capital enables employees to harness their strengths, navigate challenges, and maintain motivation, thereby enhancing their productivity. The strong influence of hope and resilience aligns with the idea that employees who believe in their ability to achieve goals and recover from setbacks are more likely to perform effectively.

The variations across industries can be attributed to differences in job demands and organizational cultures. For example, the high levels of PsyCap in the technology sector may reflect the industry's emphasis on innovation and adaptability, while the high levels of wellbeing in healthcare may be linked to the sector's focus on employee support and work-life balance. These contextual factors shape the way PsyCap influences wellbeing and productivity.

Future research should explore additional mediating and moderating factors that influence the relationship between wellbeing, PsyCap, and productivity. For instance, the role of leadership styles, organizational climate, and job design could be examined to provide a more nuanced understanding of these dynamics. Longitudinal studies could also be conducted to assess the long-term impact of PsyCap interventions on employee outcomes.

The findings call for the development of targeted interventions that enhance psychological capital in diverse organizational contexts. Researchers and practitioners should collaborate to design and evaluate programs that build hope, efficacy, resilience, and optimism among employees. By doing so, organizations can create a positive work environment that fosters both employee wellbeing and productivity.

Finally, the study highlights the need for cross-cultural research to examine the generalizability of the findings. Future studies should explore how cultural differences influence the role of PsyCap in shaping employee outcomes. This will provide valuable insights for multinational organizations seeking to enhance the performance and wellbeing of their global workforce.

CONCLUSION

The most significant finding of this study is the identification of psychological capital (PsyCap) as a critical mediator in the relationship between employee wellbeing and work productivity. Specifically, hope and resilience emerged as the most influential components of

PsyCap, enabling employees to translate their wellbeing into productive outcomes. This finding underscores the importance of fostering psychological resources within the workforce to enhance both individual and organizational performance. Additionally, the study revealed variations in the levels of wellbeing, PsyCap, and productivity across different industries, highlighting the role of contextual factors in shaping these outcomes.

This study contributes to the literature by providing a holistic understanding of the role of PsyCap in linking employee wellbeing to productivity. Unlike previous research that often focused on individual components of PsyCap in isolation, this study examines the collective impact of hope, efficacy, resilience, and optimism, offering a more comprehensive perspective. Methodologically, the use of structural equation modeling (SEM) allowed for the simultaneous examination of multiple relationships, providing robust empirical evidence for the mediating role of PsyCap. The inclusion of a case study further enriched the findings by offering qualitative insights into the practical implications of the research.

Despite its contributions, this study has several limitations. First, the cross-sectional design limits the ability to establish causal relationships between the variables. Future research could adopt a longitudinal approach to better understand the long-term impact of PsyCap on wellbeing and productivity. Second, the study relied on self-reported data, which may be subject to biases such as social desirability. Incorporating objective measures of productivity, such as performance metrics, could enhance the validity of future studies. Finally, the sample was limited to specific industries and regions, which may affect the generalizability of the findings. Future research should explore these relationships in diverse cultural and organizational contexts to provide a more global perspective.

AUTHOR CONTRIBUTIONS

Look this example below:

Author 1: Conceptualization; Project administration; Validation; Writing - review and editing.

Author 2: Conceptualization; Data curation; In-vestigation.

Author 3: Data curation; Investigation.

CONFLICTS OF INTEREST

The authors declare no conflict of interest

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