

THE MANAGER MULTIPLIER: EQUIPPING YOUR LEADERS TO DRIVE TEAM PERFORMANCE

Annisa Kurnianingsih^{1*}, Ramon Zamora², Lukmanul Hakim³

¹Universitas Riau Kepulauan, Indonesia

²Universitas Riau Kepulauan, Indonesia

³Universitas Riau Kepulauan, Indonesia

E-mail: nisa_bppd@yahoo.co.id^{1*}, ramon@fekon.unrika.ac.id², lukmann14@gmail.com

Received : 01 October 2025
Revised : 10 October 2025
Accepted : 25 November 2025

Published : 13 December 2025
DOI : <https://doi.org/10.54443/morfai.v6i1.4680>
Publish Link : <https://radjapublika.com/index.php/MORFAI/article/view/4680>

Abstract

In today's competitive landscape, organizational performance is fundamentally linked to team efficacy, which is predominantly governed by frontline and middle managers. Despite their pivotal role, these "Manager Multipliers" are often under-equipped, having been promoted for technical proficiency rather than leadership capability, leading to a widespread "accidental manager" syndrome. This study aims to investigate the systematic equipping of managers as a primary lever for enhancing team performance, engagement, and talent retention. Employing a mixed-methodology approach—including a literature review, analysis of industry case studies, and synthesis of prevailing human capital metrics—the research identifies a five-pillar framework for manager development. The results indicate that strategic investment in manager selection, competency training, and support systems yields significant multiplicative returns on team outcomes, as measured by engagement scores, retention rates, and goal attainment. The discussion underscores that manager development must transition from an optional HR activity to a core business strategy. The conclusion asserts that cultivating Manager Multipliers is the highest-ROI investment for sustainable organizational growth, advocating for leadership accountability and a continuous learning culture.

Keywords: *real-time feedback, psychological safety, skill development, feedback receptivity, performance improvement.*

INTRODUCTION

The modern business environment is characterized by rapid change, digital transformation, and an intense war for talent. In this context, the ability of an organization to execute strategy and innovate hinges not on executive vision alone, but on the performance and agility of its frontline teams (Westover, 2024b). These teams are the primary engines of productivity, customer interaction, and value creation, and their effectiveness is directly orchestrated by their immediate leaders—frontline and middle managers (Leavy, 2023). Historically, managerial roles were viewed primarily as supervisory, focused on administrative control and task allocation. However, the 21st-century managerial mandate has dramatically expanded. Today's managers are expected to be coaches, strategists, communicators, and talent developers (Westover, 2024a). They are the critical bridge between high-level organizational objectives and the day-to-day work of employees, responsible for translating vision into actionable plans while fostering an environment where individuals can thrive and contribute their best work (Whysall et al., 2019). This evolution has positioned the manager as the single most influential factor in employee experience. Research consistently shows that the relationship with one's direct manager is the strongest determinant of employee engagement, job satisfaction, and discretionary effort (K. R. Murphy, 2020). Consequently, the manager's role has transformed from a mere functionary to a potential "Multiplier"—an individual whose primary impact is to amplify the intelligence, capability, and output of everyone around them, thereby becoming a force multiplier for organizational performance (Whysall et al., 2019). Despite their demonstrably critical role, organizations frequently fail to adequately select, prepare, and support individuals transitioning into management. The prevalent "accidental manager" paradigm sees high-performing individual contributors promoted based on technical expertise or tenure, with the assumption that leadership competencies will develop organically (Henderikx & Stoffers, 2022). This sink-or-swim approach neglects the profound psychological and skill-based transition required, leaving new managers ill-equipped to handle people-centric responsibilities like coaching, giving feedback, and managing conflict (Costa et al., 2025).

The consequences of this development gap are severe and quantifiable. Poor management directly correlates with high team turnover, low employee engagement, stagnant productivity, and the stifling of innovation. A manager lacking key skills becomes a diminishing force, creating bottlenecks, fostering toxic culture, and causing the attrition of valuable talent (Zhang, 2020). This creates a significant strategic vulnerability, as organizational performance leaks at team level, undermining financial results and long-term growth prospects. The core problem, therefore, is the systemic undervaluation and under-investment in building deliberate leadership capability at the management layer (Fernandez-Vidal et al., 2022). The primary objective of this article is to construct and advocate for a comprehensive, strategic framework that organizations can implement to systematically transform their managers from accidental supervisors into intentional "Manager Multipliers." It aims to move beyond generic leadership training by providing a blueprint that encompasses selection, foundational onboarding, competency development, continuous reinforcement, and measurable impact assessment, thereby directly linking manager capability to enhanced team and organizational performance.

LITERATURE REVIEW

The Evolving Role of Management and the Multiplier Concept

The conceptualization of management has undergone a profound transformation, moving away from the industrial-era foundations laid by thinkers like Frederick Taylor and Henri Fayol. Their classical theories emphasized top-down control, standardized processes, and managerial authority, viewing employees largely as extensions of machinery whose efficiency needed to be maximized (Fernandez-Vidal et al., 2022). This mechanistic paradigm framed the manager's primary role as a planner, organizer, and controller—the singular "brain" directing the labor of many "hands." Success was measured by adherence to process and individual output within a rigid hierarchy (Rožman et al., 2023).

This control-oriented model has been fundamentally challenged and supplanted by more human-centric and relational frameworks, particularly in the context of today's knowledge economy. A pivotal contribution to this shift is Liz Wiseman's distinction between "Diminishers" and "Multipliers" (Anbu, 2019). Diminishers, operating under a vestige of the classical mindset, drain intelligence and capability from their teams by being know-it-alls, micromanagers, or tyrants, inadvertently stifling contribution. In stark contrast, Multipliers act as catalysts and liberators; they reframe the manager's purpose from being the sole source of ideas to being a cultivator of team intelligence (Taneja, 2021). Their skill lies in asking challenging questions, creating space for debate, and fostering an environment where people feel encouraged and equipped to think, contribute, and grow. Thus, the manager's success is redefined not by their personal output, but by their ability to unlock and amplify the collective capability and output of their entire team (Denning, 2018).

This evolution is not merely theoretical but is driven by concrete changes in the nature of work and workforce expectations. The rise of knowledge which hinges on creativity, collaboration, and complex problem-solving—has rendered authoritarian, command-and-control tactics obsolete, as they crush the very innovation and adaptability organizations need (Taneja, 2021). Supporting this, research by scholars like Amy Edmondson on psychological safety establishes that high team performance in complex environments is predicated on a climate of interpersonal trust, where members feel safe to take risks, voice ideas, and admit mistakes. The modern manager is uniquely positioned to foster this climate (Rožman et al., 2023). Consequently, contemporary management literature converges on a model where the manager is a coach who develops potential, a context-provider who clarifies the "why," and a talent-spotter who leverages diverse strengths. In this model, the manager's impact is inherently multiplicative, multiplying the intelligence and energy of the team, rather than simply adding their own individual effort to the sum of its parts (Rožman et al., 2023).

The Impact of Manager Quality on Key Organizational Metrics

The influence of a manager extends far beyond task delegation, directly shaping an organization's financial and operational health through a powerful, measurable chain reaction. Robust empirical research provides compelling evidence of this direct causality. Gallup's seminal meta-analyses offer striking statistics: managers are responsible for up to 70% of the variance in team engagement levels (Ngayo Fotso, 2021). This figure underscores the manager's unparalleled role as the architect of the employee experience. Since engagement is itself a well-established leading indicator—robustly correlated with a 21% higher profitability, 17% greater productivity, improved customer ratings, and a significant reduction in absenteeism and safety incidents—the manager's impact becomes quantifiably clear. The causal chain is unequivocal: skilled, multiplier-like managers cultivate highly engaged teams, and these engaged teams are the engines that drive superior business performance, directly affecting the bottom line (Ngayo Fotso, 2021).

Beyond immediate performance metrics, managers serve as the organization's most critical lever for long-term talent retention and development, directly influencing stability and growth capacity. A consistent finding across workforce studies is that an employee's relationship with their direct manager is among the top factors determining their decision to stay with or leave an organization (Aguinis et al., 2022). Poor management, characterized by a lack of support, unclear direction, or toxic behaviors, is a primary driver of costly voluntary turnover. The financial toll of this attrition is immense, encompassing not only direct recruitment, hiring, and onboarding expenses but also the profound indirect costs of lost institutional knowledge, decreased morale among remaining staff, and project delays. In essence, a poor manager actively drains the organization's human capital and financial resources (Claus, 2019). Conversely, managers who excel in their role as coaches and developers create a powerful positive flywheel effect for talent. By investing in career conversations, providing growth opportunities, and offering constructive feedback, these multiplier-managers strengthen the organization's internal talent pipeline (Mihu et al., 2023). They identify and nurture high-potential employees, creating a sustainable, internal source of future leaders. This reduces dependency on risky and expensive external hiring for critical roles, enhances succession planning, and fosters a culture of internal mobility that further boosts retention. Therefore, an effective manager does not merely retain talent but actively multiplies it, building organizational resilience and securing a competitive advantage through a committed and continually developing workforce (Claus, 2019).

Gaps in Traditional Manager Development Approaches

Academic and practitioner critiques have long underscored systemic flaws in conventional manager training programs, which frequently undermine their effectiveness and return on investment. The most prevalent of these is the enduring reliance on the "one-and-done" workshop model. This approach immerses managers in theoretical concepts—such as active listening or feedback frameworks—within a controlled classroom environment, only to return them to the chaotic reality of their daily work with no structured support for implementation (Claus, 2019). Consequently, this model creates a pervasive "knowing-doing gap," where managers intellectually grasp new concepts but fail to translate them into sustained behavioral change. The inertia of entrenched habits, the relentless pressure of immediate operational demands, and the absence of ongoing accountability mechanisms collectively ensure that workshop binders remain closed and learned techniques are quickly abandoned, rendering the training an episodic event rather than a transformative experience (Ngayo Fotso, 2021).

Compounding this issue is the chronic problem of mis-timed and mis-scoped development initiatives. Organizations often delay substantive training until a manager has been in role for several years, a critical error that allows ineffective or even detrimental management styles to become deeply ingrained and normalized within their teams. By the time training is provided, the manager has already solidified an identity and a set of practices, making unlearning far more difficult than learning anew. Furthermore, the curriculum of such programs is often misaligned with the manager's practical reality (Rožman et al., 2023). There is an overemphasis on teaching generic "soft skills"—like empathy or communication—as abstract virtues, disconnected from the concrete business rituals that define a manager's week. This failure to explicitly tie, for instance, coaching skills to the process of reviewing OKRs, or conflict resolution to project post-mortems, makes the training feel philosophically interesting but operationally irrelevant (Zhang, 2020).

This dual failure of timing and relevance serves to divorce leadership development from the core operational engine of the business. When training is both late and abstract, it is inevitably perceived by both participants and their leaders as a peripheral "HR activity"—a compliance checkbox or a nice-to-have perk—rather than as an essential input for driving team performance and achieving business results (Whysall et al., 2019). This perception catastrophically limits the program's perceived value and stifles genuine adoption. Managers attend out of obligation, not inspiration, and line executives are reluctant to prioritize it, viewing it as time taken away from "real work." Ultimately, conventional training fails because it is not treated as an integrated, continuous performance system, but as an isolated administrative event, thereby wasting resources and perpetuating the very leadership gaps it aims to solve (Sahlin & Angelis, 2019).

Foundations of Effective Leadership Development Frameworks

Effective leadership development frameworks, as synthesized from contemporary literature, are constructed on foundational principles designed explicitly to overcome the shortcomings of conventional programs. The foremost principle is that of sequential and scaffolded learning. This approach recognizes that managerial mastery is a progression, not an event. It begins by cementing foundational, high-frequency skills—such as conducting effective one-on-one meetings and delivering constructive feedback—which provide immediate utility and build confidence (K. Murphy & DeNisi, 2023). Only after these core habits are established does the framework introduce more complex and nuanced competencies, like mediating team conflict or executing strategic delegation. This pedagogical

structure mirrors how expertise is built in other fields, respecting the learner's journey from novice to competent practitioner by ensuring each new skill is supported by a solid base of prior knowledge and practice, thereby increasing the likelihood of successful integration and reducing cognitive overload (Claus, 2019).

A second, non-negotiable pillar of high-impact frameworks is the commitment to blended and continuous learning. This moves decisively beyond the singular modality of the classroom to create a rich learning ecosystem. It strategically combines formal instruction with social learning channels like manager communities of practice and mentoring, experiential learning through stretch assignments and real-world projects, and just-in-time support via digital toolkits and micro-learning modules (Claus, 2019). This blend acknowledges a core tenet of adult learning and behavior change science: skills are not "acquired" in a session but are "grown" through spaced repetition, contextual application, and social reinforcement over time. By embedding learning into the daily flow of work and providing multiple touchpoints, this principle ensures development is a continuous process that adapts to the manager's evolving challenges, making it integral rather than interruptive (Aguinis et al., 2022).

Finally, truly effective frameworks are inherently measurement-oriented and outcome-linked. They incorporate robust metrics and analytics to shift the evaluation focus from activity (e.g., training hours completed) to impact (e.g., changes in team outcomes). This involves deliberately linking development initiatives to the key business metrics that define managerial success, such as improvements in team engagement scores, reductions in regrettable turnover, and progress on performance goals like OKR completion (Taneja, 2021). By establishing this clear line of sight, the framework creates a closed-loop system: data on outcomes informs which skills are most critical, highlights areas where development is failing to translate, and demonstrates the tangible return on investment (ROI) of the program. This evidence-based approach not only secures ongoing executive sponsorship by aligning development with business priorities but also enables the continuous, data-driven iteration and improvement of the development program itself, ensuring it remains agile and relevant (Denning, 2018).

METHODOLOGY

This research employs a qualitative, synthesizing methodology designed to integrate theoretical academic frameworks with actionable business practices. The primary method is an extensive and critical review of existing literature spanning organizational psychology, human resource management, and leadership studies from the past two decades. This review focuses on peer-reviewed journal articles, seminal books by established thought leaders, and meta-analyses from reputable research institutions (e.g., Gallup, Corporate Leadership Council) to establish the evidence-based impact of managerial behavior on team and organizational outcomes. To ground the theoretical literature in practical application, the methodology also includes the systematic analysis of published case studies and white papers from organizations recognized for exemplary leadership development programs (e.g., Google, Microsoft, IBM). This analysis identifies common patterns, successful interventions, and practical implementation strategies. The synthesis of these two streams—academic theory and applied practice—forms the basis for the proposed integrated "Manager Multiplier" framework, ensuring it is both conceptually sound and pragmatically feasible.

RESULTS AND DISCUSSION

The Five-Pillar Manager Multiplier Framework

The synthesis of literature and practice yielded a cohesive five-pillar framework for systematic manager development. Pillar 1, Select for Potential, involves using competency-based interviews and scenario assessments to identify coaching aptitude and emotional intelligence during promotion decisions. Pillar 2, Foundational Onboarding, mandates a structured "First 100 Days" program for all new managers, covering essential legal, ethical, and people-management basics. Pillar 3, Core Competency Development, organizes training into four streams: Performance Driver, People Catalyst, Communication Hub, and Operational Executor (Costa et al., 2025). This framework's efficacy lies in its systemic and sequential nature. Unlike piecemeal training, it addresses the manager's journey from candidate to proficient leader. By starting with selection, it proactively addresses the root cause of the "accidental manager." The onboarding pillar prevents early derailment, while the competency model provides a clear, comprehensive map of the skills required for multiplicative impact. This structure signals that management is a profession requiring deliberate study and practice, elevating its strategic importance within the organization (Sahlin & Angelis, 2019).

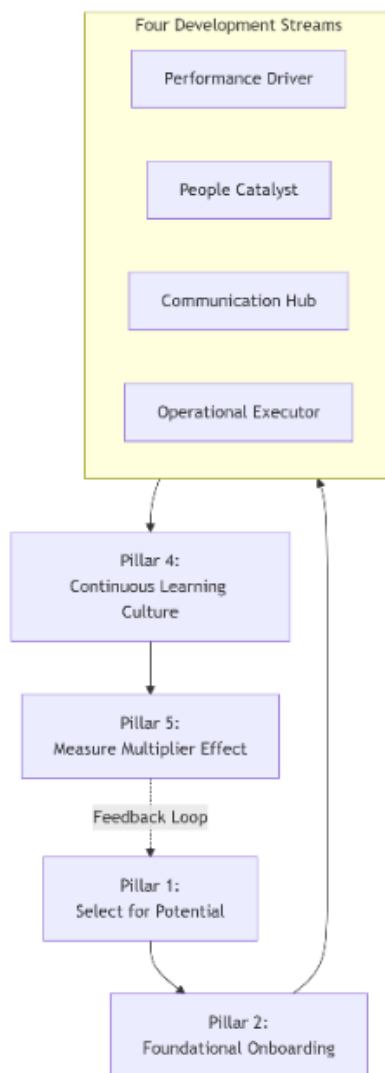


Figure 1. The Manager Multiplier Framework - Overview

Figure 1 effectively visualizes the systemic and sequential logic that underpins the entire development strategy. It depicts the five pillars not as isolated initiatives but as a cohesive, interdependent flow—starting with Select for Potential and progressing through Foundational Onboarding, Core Competency Development, Continuous Learning Culture, and finally, Measure Multiplier Effect (Claus, 2019). This left-to-right progression visually reinforces the "manager's journey" from candidate to measured leader, emphasizing that each stage builds upon the last. Crucially, the chart includes a feedback loop arrow from the final pillar back to the first, which encapsulates the framework's dynamic, data-driven nature; insights from performance metrics should continuously refine selection criteria and development focus, creating a closed-loop system for continuous improvement and strategic alignment (Ngayo Fotso, 2021).

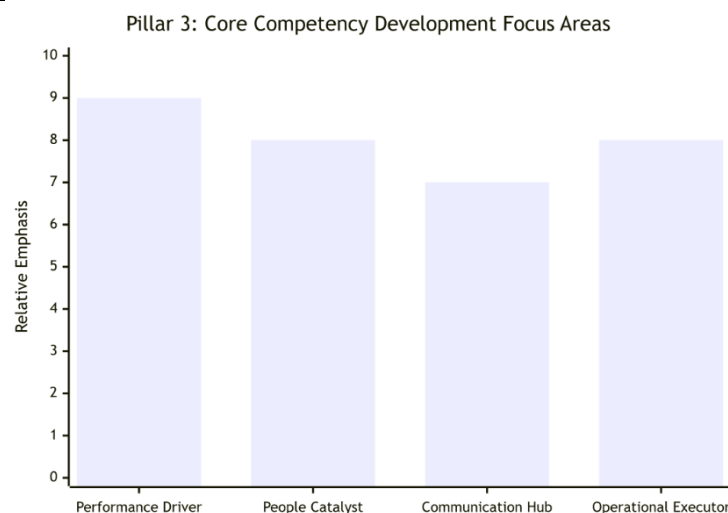


Figure 2. Core Competency Development Focus Areas.

Figure 2 provides a critical breakdown of the multifaceted role of a modern manager by detailing the four essential competency streams. The bar chart assigns a relative emphasis to each stream—Performance Driver, People Catalyst, Communication Hub, and Operational Executor—visually prioritizing the direct link to team output (Performance Driver) while affirming the significant weight of people development and communication (Anbu, 2019). This structure moves beyond vague "soft skills" training by defining clear, discrete domains of practice. The accompanying breakdown lists specific, actionable skills within each stream, transforming the pillar from a theoretical concept into a practical curriculum that directly connects leadership behaviors to daily managerial responsibilities and team outcomes (Denning, 2018).

Shifting from Event-Based Training to Continuous Learning Culture

The analysis revealed that high-performing organizations have decisively moved away from isolated training events. In their place, they build ecosystems of continuous learning. This includes instituting manager communities of practice (CoPs) for peer problem-solving, providing access to on-demand coaching for real-time challenges, and deploying digital platforms with micro-learning resources on topics like conducting difficult conversations (Ngayo Fotso, 2021). This shift recognizes that leadership is a practice honed daily, not a certificate earned in a classroom. The discussion highlights that this cultural shift is crucial for sustaining behavioral change. A CoP, for example, provides social reinforcement and a safe space to admit challenges, reducing the isolation managers often feel. Just-in-time resources empower managers to apply learning at the "teachable moment," dramatically increasing retention and application. This approach aligns with adult learning theory, which prioritizes relevance and self-direction. It embeds development into the flow of work, making it integral rather than interruptive (Taneja, 2021).

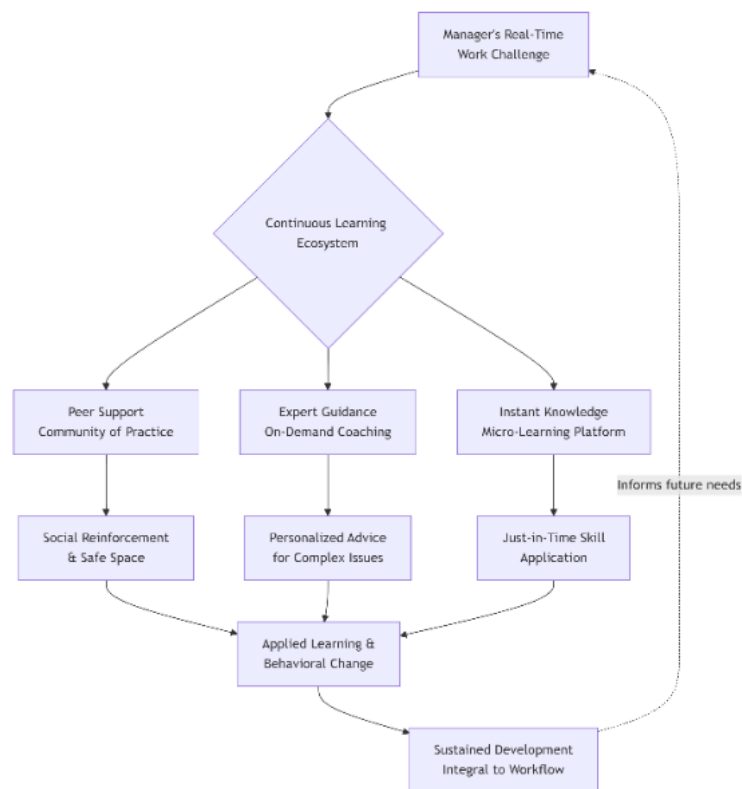


Figure 3. The Continuous Learning Ecosystem

Figure 2 effectively models the dynamic and integrated support system that replaces static training events. It centers on the manager's immediate work challenge, visually positioning it as the catalyst that activates the entire ecosystem. The diagram then maps the three core, interconnected resources—Community of Practice, On-Demand Coaching, and Micro-Learning Platform—as parallel, accessible pathways, emphasizing that support is multifaceted and available in the flow of work (Mihu et al., 2023). By illustrating how each component leads to specific, reinforcing outcomes like social support or just-in-time skill application, and funneling these back into sustained behavioral change, the chart captures the self-reinforcing, responsive nature of a true learning culture, where development is a continuous loop rather than a finite program (Rožman et al., 2023).

Measuring the Multiplier Effect: Leading and Lagging Indicators

A critical result of this study is the distinction between activity metrics and impact metrics for manager development. Effective measurement focuses on outcomes, not just inputs. Leading Indicators—which predict future performance—include team-specific employee engagement/eNPS scores, 360-degree feedback results on managerial behaviors, and internal talent mobility rates (promotions within a manager's team) (Fernandez-Vidal et al., 2022). Lagging Indicators, which confirm past performance, include the team's achievement of quarterly OKRs, project success rates, and crucially, voluntary turnover rates within the manager's span of control. Discussing these metrics reframes the value proposition of development. For instance, tying a manager's participation in coaching training to a subsequent rise in their team's engagement score creates a direct line of sight to business impact (Zhang, 2020). It moves the conversation from "Did managers like the training?" to "Did the training improve team performance?" This data-driven approach allows for targeted support, where managers struggling with specific metrics (e.g., high turnover) can receive focused development, and high-performing multipliers can be studied and emulated.

The Indispensable Role of Senior Leadership Accountability

The research underscores that no manager development framework can succeed without the active, visible commitment of senior leadership. This goes beyond budgetary approval; it requires behavioral modeling. When senior leaders themselves openly receive coaching, solicit feedback, and demonstrate multiplier behaviors in their own staff meetings, it legitimizes the entire development program (Henderikx & Stoffers, 2022). Conversely, if

senior leaders exhibit diminisher behaviors, they actively undermine the training their frontline managers receive. Furthermore, senior leaders must be held accountable for the quality of management within their own organizational units. This means reviewing not just the financial performance of a department, but also the health of its teams as reflected in the leading indicators. By making "building leadership bench strength" a key performance indicator for directors and VPs, the organization aligns incentives and ensures the multiplier framework is not delegated to HR but is owned as a core business imperative by the entire leadership chain (Leavy, 2023).

CONCLUSION

This article has established that the manager is the pivotal multiplier of team performance, engagement, and talent retention. However, this multiplier effect is not automatic; it is the product of a deliberate and systemic investment in transforming accidental supervisors into intentional leaders. The proposed five-pillar framework—encompassing selection, onboarding, competency development, continuous learning, and impact measurement—provides a comprehensive blueprint for this transformation, bridging the gap between academic theory and organizational practice. The transition from viewing manager development as a discretionary cost center to recognizing it as the highest-ROI strategic investment is paramount. Organizations that master this will build a sustainable competitive advantage through resilient, adaptive, and high-performing teams. They will create a virtuous cycle where great managers attract, develop, and retain great talent, which in turn drives innovation and results. In an era defined by human capital, the organization that best multiplies its people's potential through its leaders will ultimately prevail. Therefore, the call to action is clear: leaders must audit their current support systems for managers, implement a structured development framework grounded in continuous learning, and relentlessly measure its impact on business outcomes. Cultivating Manager Multipliers is not merely an aspect of good people management; it is the very engine of enduring organizational success.

REFERENCES

- Aguinis, H., Audretsch, D. B., Flammer, C., Meyer, K. E., Peng, M. W., & Teece, D. J. (2022). Bringing the Manager Back Into Management Scholarship. *Journal of Management*, 48(7), 1849–1857. <https://doi.org/10.1177/01492063221082555>
- Anbu, D. (2019). The Role of Leaders and Managers in Business Organisations. *Asian Journal of Management*, 10(3), 225. <https://doi.org/10.5958/2321-5763.2019.00034.9>
- Claus, L. (2019). HR disruption—Time already to reinvent talent management. *BRQ Business Research Quarterly*, 22(3), 207–215. <https://doi.org/10.1016/j.brq.2019.04.002>
- Costa, J. M. da, Santos, E. S. dos, Filho, E. F., Albuquerque, P. V. de A., Costa, P. R., & Monteiro, E. L. (2025). MANAGEMENT IN TRANSFORMATION: INNOVATIVE STRATEGIES FOR ORGANIZATIONS IN THE 21ST CENTURY. *Educação & Inovação*. <https://doi.org/10.64326/educacao.v1i4.50>
- Denning, S. (2018). The emergence of Agile people management. *Strategy & Leadership*, 46(4), 3–10. <https://doi.org/10.1108/SL-04-2018-0042>
- Fernandez-Vidal, J., Antonio Perotti, F., Gonzalez, R., & Gasco, J. (2022). Managing digital transformation: The view from the top. *Journal of Business Research*, 152, 29–41. <https://doi.org/10.1016/j.jbusres.2022.07.020>
- Henderikx, M., & Stoffers, J. (2022). An Exploratory Literature Study into Digital Transformation and Leadership: Toward Future-Proof Middle Managers. *Sustainability*, 14(2), 687. <https://doi.org/10.3390/su14020687>
- Leavy, B. (2023). Rethinking the role of middle management for the new world of work. *Strategy & Leadership*, 51(6), 10–15. <https://doi.org/10.1108/SL-09-2023-0093>
- Mihu, C., Pitic, A. G., & Bayraktar, D. (2023). Drivers of Digital Transformation and their Impact on Organizational Management. *Studies in Business and Economics*, 18(1), 149–170. <https://doi.org/10.2478/sbe-2023-0009>
- Murphy, K., & DeNisi, A. (2023). New approaches to dealing with performance management: getting rid of performance appraisals is not the answer. *IIM Ranchi Journal of Management Studies*, 2(2), 143–158. <https://doi.org/10.1108/IRJMS-09-2023-0074>
- Murphy, K. R. (2020). The Past, Present, and Future of Performance Management. In *Performance Management Transformation* (pp. 318–342). Oxford University Press New York. <https://doi.org/10.1093/oso/9780190942878.003.0016>
- Ngayo Fotso, G. M. (2021). Leadership competencies for the 21st century: a review from the Western world literature. *European Journal of Training and Development*, 45(6/7), 566–587. <https://doi.org/10.1108/EJTD-04-2020-0078>

- Rožman, M., Tominc, P., & Štrukelj, T. (2023). Competitiveness Through Development of Strategic Talent Management and Agile Management Ecosystems. *Global Journal of Flexible Systems Management*, 24(3), 373–393. <https://doi.org/10.1007/s40171-023-00344-1>
- Sahlin, J., & Angelis, J. (2019). Performance management systems: reviewing the rise of dynamics and digitalization. *Cogent Business & Management*, 6(1). <https://doi.org/10.1080/23311975.2019.1642293>
- Taneja, K. (2021). Devising Sustainable Growth in the Organisation through Digital Leadership. *Research Journal of Humanities and Social Sciences*, 179–181. <https://doi.org/10.52711/2321-5828.2021.00029>
- Westover, J. (2024a). <https://www.innovativehumancapital.com/article/the-modern-manager-navigating-a-complex-role-in-today-s-organizations>. *Human Capital Leadership Review*, 14(3). <https://doi.org/10.70175/hclreview.2020.14.3.9>
- Westover, J. (2024b). The Changing Role of Managers in the 21st Century Workplace. *Human Capital Leadership Review*, 16(1). <https://doi.org/10.70175/hclreview.2020.16.1.5>
- Whysall, Z., Owtram, M., & Brittain, S. (2019). The new talent management challenges of Industry 4.0. *Journal of Management Development*, 38(2), 118–129. <https://doi.org/10.1108/JMD-06-2018-0181>
- Zhang, L. (2020). The Changing Role of Managers. *SSRN Electronic Journal*. <https://doi.org/10.2139/ssrn.3877673>