2025, 10(51s) e-ISSN: 2468-4376

https://www.jisem-journal.com/

Research Article

Negotiating the Virtual Landscape: An Examination of Principal Drivers Affecting Employee Productivity in Remote Work during the COVID-19 Pandemic

Supriva Mahajan¹, Dr. Vikas Kumar²

¹Research Scholar, Dept. of Management, Sri Sai University, Palampur, India ²Assistant Professor, Dept. of Management, Sri Sai University, Palampur, India

ARTICLE INFO ABSTRACT Received: 29 Dec 2024 Background Revised: 12 Feb 2025 After the COVID-19 epidemic, remote working arrangements became rather common in the information technology industry. While many IT workers welcomed this shift, companies also Accepted: 27 Feb 2025 started to notice productivity issues at the same time. Our study was motivated mostly by this developing conflict between organisational concerns about preserving efficiency and employee inclination for remote work. Research Objective Our study sought to pinpoint and examine the main elements affecting employee output in home-based businesses especially in the IT industry. Understanding these elements can help companies create focused plans to increase output while preserving the freedom employees value. Methodology To gather main information on remote work experiences and productivity elements, we carried out a thorough survey. Based on past studies and initial qualitative research, the poll was carefully crafted to cover several facets of the remote work experience. Sample Characteristics Sample Size: 400 people in total Geographic Focus: Indian region of Delhi/NCR Sector of Industry: Information Technology Enterprises Participant Profile: IT experts Stratified random selection guarantees representation among several company sizes and IT subsectors. **Data Collection** Validated scales covering many facets of remote work—including working hours, employee wellbeing and learning and training support and self-reported productivity measures—were part of the survey tool. Respondents answered Likert scales, which allowed quantitative study of the elements influencing output. Analysis Approach

Given millions of experts employed in the Indian IT industry and major contribution to the

components explaining the variation in output of productivity.

Significance

Using Principal Component Analysis (PCA), we sought the fundamental causes of remote work productivity. This statistical method helped us to simplify many variables into relevant

2025, 10(51s) e-ISSN: 2468-4376

https://www.jisem-journal.com/

Research Article

national economy, this study is very pertinent to them. These results can guide evidence-based methods to remote work management that combine organisational productivity objectives with employee preferences as businesses create long-term workplace rules in the post-pandemic context.

The found elements provide useful insights for IT firms to handle particular areas of remote work rules instead of applying one-size-fits-all solutions that do not consider the multidimensional character of remote work productivity.

Key Words: Employee Productivity, Work from Home, IT Industry, working hours, employee well-being, Covid-19, Support from supervisor

INTRODUCTION

The COVID-19 epidemic transformed working conditions in a way never seen before elsewhere in the globe. From a sporadic advantage, remote work became a basic need. Since their employment were digital, those in information technology were able to migrate to virtual environments more readily. In that industry, this transformation was particularly evident. A new method of functioning began to show up as the worst of the epidemic drew to close. Workers wanted to remain working from home, but businesses were concerned about how to maintain teams effective and assess their output when their employees was dispersed.

The swift change to remote work in the IT sector had both positive and negative aspects. Organisations struggled with virtual environment success rating, team performance, and supervision as well as team building. People, on the other hand, cherished the flexibility, lack of travel, and opportunity to better reconcile personal life with career. This paper mostly addresses this conflict between what companies need to be efficient and what workers desire. A significant portion of India's economy is based on the millions of people employed in its IT industry. This makes it a perfect location to investigate this phenomenon. In technical hotspots like Delhi/NCR, there are plenty of foreign firms, small businesses, and start-ups. Different corporate cultures and work practices thus have to adjust to this fundamental change in the way work is done.

This study aims to identify and investigate the key factors causing employees—especially in the IT industry—less productivity when working from home. Beyond the concept of a single definition, This study considers that remote work production is multidimensional and seeks the relative relevance of various elements that contribute.

Principal Component Analysis helped us to identify the primary factors causing remote work to be less effective. Data was collected from 400 IT professionals from Delhi/NCR. This analytical approach lets us separate the several factors into meaningful components that explain the range of outcomes therefore enabling us to grasp the phenomena in all its complexity.

The outcomes of this study will have significant impact on the workplace once the epidemic ends. Understanding the several elements influencing production in far-off locations is crucial when businesses create long-term strategies to balance corporate goals with evolving employee expectations. Knowing these important criteria helps companies to create focused interventions instead of generic solutions ignoring the various facets of remote work efficiency.

REVIEW OF LITERATURE

2.1 Evolution in Remote Work from Before the Pandemic to Right Now

Working from home has long history, going back many decades before the COVID-19 epidemic. Early academic research by Nilles (1975) were the first to apply the term "telecommuting" to characterise work done outside of conventional office environments utilising phone and internet technology. Bailey and Kurland (2002) and Gajendran and Harrison (2007) discovered in the 1990s and 2000s that flexible work schedules were gradually becoming more popular, largely as means to support staff members or maintain the company functioning. Messenger and Gschwind (2016) noted, meanwhile, that even if technology has advanced, online labour was still somewhat rare in most professions prior to 2020.

2025, 10(51s) e-ISSN: 2468-4376

https://www.jisem-journal.com/

Research Article

The COVID-19 epidemic totally veers this road. Brynjolfsson et al. (2020) estimate that in April 2020, about 35% of American workers shifted to working from home; comparable shifts occurred elsewhere throughout the world. In many of the IT sectors, Nagel (2020) discovered adoption rates above 80%. This makes it among the companies most impacted by this development generally. More and more research looking at the consequences on productivity has resulted from this natural experiment in working from home never conducted before.

2.2 How efficient you are working from home?

Views on people's level of productivity while they work from home vary. Early pandemic investigations by Bartik et al. (2020) revealed managers' overall concern on output. Actually, 54% of the managers claimed that since staff members started working from home, output has decreased. Conversely, Behrens et al. (2021) discovered that many employees claimed their shorter commutes, less interruptions at their workplace, and greater independence as the causes of increased productivity. Yang et al. (2022) investigated in the IT sector how productivity influenced various employment differently. For instance, although they struggled with collaborative problem-solving, software programmers were more effective at particular jobs. Changes in output were not the same across sectors, according to Etheridge et al. (2020). Knowledge workers produced rather consistently or somewhat more than in other sectors. After a careful meta-analysis, Wang et al. (2021) discovered that success at work from home depends on several factors, including the type of job, the availability of technology, company assistance, and personal variances. This emphasises the need of doing multidimensional analysis rather than straightforward binary evaluations of output.

2.3 Factors influencing the viability of remote work

Tech infrastructure

The ability of people to perform their professions from home became mostly dependent on their availability to appropriate technology. Enough bandwidth, the proper hardware, and software that performs well with other applications were found by Waizenegger et al. (2020) to be good predictors of output in virtual settings. Examining variations in home technology infrastructure in the Indian IT environment, Kumar et al. (2021) discovered somewhat large changes. These variations could compromise output and quality of work.

Managerial techniques applied

Many studies have been conducted on how best to run from home as a manager and leader. Contreras et al. (2020) found that whereas trust-based leadership styles were connected to increased output, traditional management approaches depending on close supervision were linked to decreased productivity at home. Ford et al. (2021) discovered in successful remote work implementations a change from process monitoring to outcome-based performance review. Chatterjee et al. (2022) examined how management changed throughout Indian IT companies. Companies with results-oriented cultures, they discovered, already performed better than those depending on visual monitoring.

Restraints on Employment and Education

Writing on remote work also emphasises the need of managing the boundaries between personal and professional life. Workers who had to work from home due to pandemic reported increased difficulties with their families, particularly those who had to look after others, Vaziri et al. (2020) noted. Conversely, Chung et al. (2020) discovered that having more flexible schedule choices in remote environments helped certain employees better manage their personal life and job. Long work hours and demands of being "always on" were major issues in the profession according to 2020 research on IT workers by Prasad et al. This implies that these problems might make distant plans less effective.

Events in society and the mind

More study on the psychological facets of working from home has been done recently. According to Teevan et al. (2021), major issues that could aggravate creative teamwork and effective organisational citizenship practices were solitude and lack of connection. According to Yang et al.'s 2022 study on social connection in virtual teams, both team capacity to generate fresh ideas and individual output could be fairly predicted by this factor. Mehta's research

2025, 10(51s) e-ISSN: 2468-4376

https://www.jisem-journal.com/

Research Article

on Indian culture in 2021 revealed that cultural elements influence opinions about working from home. Those from collectivistic work cultures find it more difficult to keep the team together while they are working from separate locations.

Employees' Well-Being

Research on the relationship between employee productivity and happiness while they work from home has grown in significance. In environments where people worked from home, Oakman et al. 2020 found that psychological health, physical ergonomics, and work autonomy could all predict both well-being and performance results. Meyer et al. (2021) observed in longitudinal studies of remote workers that output metrics and mental health indicators connected in both directions. Burnout was a key risk factor for both health and productivity in the IT sector, according to Tripathi and Amann (2020), particularly for those who worked in high-stress development environments that were relocating to remote settings.

2.4 Methodological approaches for investigating remote work

Research techniques applied to investigate individuals' level of productivity when working from home have evolved greatly. Early research made extensive use of self-reported output metrics; however Charalampous et al. (2019) noted that these can be rather biased. New study increasingly makes use of objective performance measures. Gibbs et al. (2021), for instance, examined variations in production using digital traces taken from shared platforms. Methodologies for factor analysis such as those we applied in our work have been applied elsewhere previously. Factor analysis was utilised by Nakrošienė et al. (2019) to identify the most significant elements of people's online work satisfaction. Using principal component analysis, Bhattacharya and Mittal (2020) examined several facets of the effectiveness of virtual teams in Indian IT organisations.

2.5 Research Vacuum and What This Study Adds

There are still some major gaps even if more people are blogging about working from home. First, most of the research conducted thus far has centred on Western corporate environments. There are particular elements in the Indian IT industry that demand more close examination. Second, rather than dissecting output at home into its component elements, most research view it as a whole concept. Third, research conducted during the epidemic sometimes confounds the results of working from home with the particular circumstances of the worldwide health catastrophe.

Using factor analysis to identify independent elements, compiling data during a period of relative stability following the worst of the epidemic, and looking at how productive people are when working from home in the Indian IT environment helps this study to close in these gaps. This study intends to provide businesses with valuable knowledge for developing long-lasting policies for remote and mixed work by determining what drives individuals to be productive outside of the office. Over the past ten years, the word "engagement" has become even more significant in the field of information technology. It has emerged as a success element for companies and is now a crucial component in deciding the corporate strategy in the very competitive market. Apart from having a major influence on employee dedication, productivity, loyalty, and retention, engagement is a fundamental element of shareholder value, consumer happiness, and corporate reputation (Andrew and Sofian, 2012). Engagement, as used in "individual's involvement and satisfaction with as well as enthusiasm for work" (Harter, Schmidt, & Hayes, 2002, p. 269), is Kahn (1990) describes employee engagement as "the harnessing of organisation members' selves to their work roles; in engagement, people employ and express themselves physically, cognitively, and emotionally during role performances." Leaders of companies all throughout the world should give employee engagement top priority. Competitive companies cannot replicate or copy people, thus they are the only element absent from their operations. If kept under control and used correctly, it is regarded as the most precious resource. Consequently, employee engagement is regarded as the most important element determining the strength of a company. Though it was mostly seen as a practical consulting concern until 1990s, the word employee engagement has roots in scholarly study. Though since then, the idea has drawn more interest from academics in fields such business and management, psychology and organisational behaviour (Xu and Thomas, 2011), it is equal to that there is a dearth of critical scholarly work on the subject (Kular et al, 2008). Defining engagement and outlining its extent is a challenging and thorough endeavour. Katz and Kahn (1966) underlined the overall need of employees interacting

2025, 10(51s) e-ISSN: 2468-4376

https://www.jisem-journal.com/

Research Article

with their companies and their works. Though their work does not specifically refer to "employee engagement," it recognises the requirement of engagement and its correlation with organisational effectiveness. Both Goffman and Kahn note that people do not equally devote themselves to every position. "A positive, fulfilling, work-related state of mind that is characterised by vigour, dedication and absorption," Schaufeli et al. (2002) describe engagement. The results of May et al. (2004) on the Kahn's model confirmed that engagement is favourably correlated with psychological qualities of meaningfulness, safety and availability. Employee engagement, according to 2003's International Survey Research, is the process by which a company increases the dedication and involvement of its human resources to get better corporate results. According to the International Survey Research, employee engagement combines cognitive, behavioural, and emotive commitment to his or her company.

NEED AND SCOPE OF THE STUDY

3.1 Need of the study

The sudden and broad shift to remote work brought on by the COVID-19 epidemic has made evidence-based knowledge of the elements affecting employee productivity in virtual environments desperately needed. For numerous very interesting reasons, this need is especially strong in the Indian IT industry.

Industry-Specific Needs

Comprising around 8% of the national GDP and employing over 4.5 million professionals, the IT sector in India is pillar of the national economy. Decisions about remote work practices will have far-reaching effects on employee welfare as well as economic output as companies in this sector draft long-term employment strategies. These choices call for grounded knowledge instead of reflexive or instinctive reactions to the epidemic.

Different Stories in Competition

The debate over remote work productivity still reflects opposing points of view. Many individuals indicate improved productivity and strong inclinations for ongoing remote work arrangements, whereas many companies raise worries about reduced productivity, collaboration issues, and innovation shortfalls in distant settings. This work uses methodical empirical analysis to meet the demand to go beyond anecdotal data and reconcile these conflicting narratives.

Contextual specificity

Although studies on remote work abroad have exploded, results from Western settings might not fit the Indian corporate scene exactly. Unique elements including domestic living conditions, technological infrastructure variations, cultural dimensions of work interactions, and different management techniques demand focused research within the Indian setting. This work provides contextually relevant insights that consider these unique characteristics, therefore addressing the demand.

Multidimensional Study

Simple binary tests of whether remote work "increases" or "decreases" productivity miss the intricate interaction of elements affecting output in virtual environments. Disaggregating the elements of productivity in remote locations is desperately needed to allow focused interventions instead of one-size-fits-all rules. The factor analytic technique of this study meets this demand by pointing out several dimensions that companies can deal with independently.

Policy Development Needs

Evidence-based recommendations become crucial as companies move from emergency remote work policies to deliberate, sustainable practices. Understanding the particular elements that enable productivity becomes critical for policy development, resource allocation, and management training programs as many IT organisations choose hybrid models or allow ongoing remote work.

3.2 Scope of the study

Geographic and Sectoral Emphasis

2025, 10(51s) e-ISSN: 2468-4376

https://www.jisem-journal.com/

Research Article

The study focusses especially on the Delhi/NCR area of India, one of the major IT centres with a varied ecosystem of international companies, home businesses, and technological startups. Although this geographical concentration allows for depth of research, it also suggests that results would not exactly apply to other Indian IT hubs including Bangalore, Hyderabad, or Pune, which might show distinct working dynamics.

While conceding that productivity determinants may vary greatly in other sectors with various job characteristics, cooperation needs, and output metrics, the sectoral focus on information technology gives consistency to the research population.

Methodological Reach

Using quantitative approaches—more especially, factor analysis—the study finds main components influencing remote work productivity. This method does not give the depth of contextual knowledge that qualitative methods could supply, even when it helps statistical identification of important elements and their relative significance. The breadth of the study thus spans general trends instead of particular stories or case studies.

Temporal Exceptions

Following the acute phase of the epidemic, data collecting took place to capture events within a period of relative normalisation rather than emergency adaption. Though it cannot entirely isolate pandemic effects from fundamental features of remote work arrangements, this timing offers insights into sustainable remote work practices rather than crisis reactions.

Conceptual constraints

The study focusses especially on productivity rather than more general aspects of remote work such career advancement, job happiness, or organisational commitment. Although these ideas might interact with production, their major focus stays outside of this study.

Rather than organizational-level results such innovation rates, talent retention, or financial performance, the study emphasises employee-level elements. Although individual output finally helps to produce these results, the causal paths go outside the purview of this study.

Useful Uses

The scope includes turning research results into practical suggestions for organisational policy, management practices, and staff assistance programs. The study seeks to offer IT companies creating hybrid and sustainable remote work models in the post-pandemic environment evidence-based direction.

Defining these criteria of need and scope helps this study to position itself as a focused contribution to understanding a crucial aspect of the changing workplace environment in India's vital IT sector, with consequences for organisational practice and employee experience in virtual work environments.

OBJECTIVES OF THE STUDY

• To investigate the elements most likely to influence employee productivity in remote working environments.

METHODOLOGY

To gather main information on remote work experiences and productivity elements, we carried out a thorough survey. Based on past studies and initial qualitative research, the survey instrument was carefully crafted to cover several facets of the remote work experience.

Sample Characteristics

Sample Size: 400 people in total

Geographic Focus: Indian region of Delhi/NCR

Sector of Industry: Information Technology Enterprises

2025, 10(51s) e-ISSN: 2468-4376

https://www.jisem-journal.com/

Research Article

Participant Profile: IT experts

Stratified random selection guarantees representation among several company sizes and IT subsectors.

RESULTS AND DISCUSSION

Table 1 representing KMO AND BARTLETT'S TEST

KMO and Bartlett's Test						
Kaiser-Meyer-Olkin Meas	.807					
Adequacy.						
Bartlett's Test of	Approx. Chi-Square	7656.30				
Sphericity		О				
	df	351				
	Sig.	.000				

The following table shows the results of the Kaiser-Meyer-Olkin (KMO) and Bartlett's Test of Sphericity, which assist to assess the fit of data for factor analysis.

Standard of Sampling Adequacy:

1. KMO, or Kaiser-Meyer-Olkin, value 0.807 statistic belongs between 0 and 1 ranges. A score closer to 1 indicates that the data fit factor analysis. This implies that factor analysis will most likely produce varied and reliable components since the sample size is enough for factor analysis, which suggests some common characteristics among the variables.

2. The sphericity test of Bartlett

Approx. Chi-Square: 7656.300

Df: 351

Sig. (p-value) o

Bartlett's test searches for non-correlation between the variables, therefore determining whether the correlation matrix is an identity matrix. Since the correlation matrix is not an identity matrix, a p < 0.05 result reveals interesting relationships among the variables. Accordingly, the p-value (Sig.) is 0, which is really highly significant (p < 0.001) indicating that factor analysis is appropriate and that the variables are connected.

Together, the KMO and Bartlett's test results demonstrate that the data is suitable for factor analysis. The KMO value of 0.807 indicates enough sampling; the important Bartlett's test reveals the links among the variables.

TABLE 2 REPRESENTING TOTAL VARIANCE EXPLAINED

Total Variance Explained							
Compone	Initial Eigenvalues			Extraction Sums of Squared Loadings			
nt	Total	% of	Cumulative	Total	% of	Cumulative	
		Variance	%		Variance	%	
1	6.972	25.824	25.824	6.972	25.824	25.824	
2	3.581	13.264	39.088	3.581	13.264	39.088	
3	2.957	10.951	50.039	2.957	10.951	50.039	
4	2.346	8.688	58.727	2.346	8.688	58.727	
Extraction Method: Principal Component Analysis.							

2025, 10(51s) e-ISSN: 2468-4376

https://www.jisem-journal.com/

Research Article

Total Variance Explained showed the extracted components—1—4 in this case. Eigenvalues show the extent of fluctuation each original factor causes in the solution. Higher eigenvalues show that the component explains more of the variance. This shows how much each element explains for the general data variance. With an eigenvalue of 6.972 and 25.824% of the overall variance, the first component most certainly captures the most significant degree of data variability. Comprising 13.261% of the variance, the second component has an eigenvalue of 3.581. With an eigenvalue of 2.957 and making 10.51% of the variance, the third component explains Comprising an eigenvalue of 2.346, the fourth component explains 8.688% of the variation. In this situation, just four components were recovered; together, they explain 58.727% of the total variation in the data.

TABLE 3 REPRESENTING COMPONENT MATRIX

Component Matrix ^a					Factor Name
	Component				
	1	2	3	4	
The firm offers enough tools for learning and training to let me	.708				
grow professionally working remotely.					
The learning initiatives of the organisation fit my growth	.698				
objectives and professional path.					
I believe the corporation supports and funds employees' ongoing education and growth.	.688				Factor-1 Remote Work
The epidemic helps me to maintain emotional and mental well-	.682				Learning,
being.					Development, and
The company offers virtual support systems or counselling sessions which I have access to.	.679				Well-being
To advance their abilities, the organisation invites staff members	.613				
to take part in webinars and virtual seminars.	(, 5				
Remote work motivates me to create study objectives and seek certifications pertinent to my employment.	.612				
During remote work, the organisation offers chances for cross-	·597				
training and exposure to several fields of knowledge.	-0.				
Under remote work, the organisation offers chances for talent development and expansion in new technologies.	.584				
I believe the company gives my general pandemic well-being first priority.	.580				
The company's emphasis on employee well-being has, I think,	.577				
increased my output when working remotely.					
I know the company's policies and programs aimed at employee	.561				
welfare when working remotely.					Perlance Describ
The organisation offers chances for virtual wellness programs meant to boost employee welfare.		.515			Factor-2 Remote Employee
The business encourages among remote workers a culture of		.508			Development and
well-being and self-care.		.,,00			Well-being
To help staff members grow remotely, the firm provides virtual		.550			Support
mentoring or coaching initiatives.					
The organisation offers a conducive learning environment where		·534			
remote workers may experiment and grow from failures.					
Working from home, I have access to online classes and learning		.523			
resources that assist to improve my knowledge and abilities.					

2025, 10(51s) e-ISSN: 2468-4376

https://www.jisem-journal.com/

Research Article

Working from home, I believe the expectations about working hours are reasonable and attainable.			.596		Factor-3 Work Hours and
Regarding the daily working hours needed, I have definite expectations about them from home.			.583		Expectations
Working from home makes me feel under pressure to put more hours than usual.			.518		
Working from home helps me to have a sensible work schedule.				.625	Factor-4
Working from home helps me to properly manage my time and prioritise my chores.				.589	Remote Work Productivity and
The learning programs of the organisation improve my efficiency and performance in my employment.				.519	Efficiency
Extraction Method: Principal Component Analysis.					
a. 4 components extracted.					

This table's contents result from a Principal Component Analysis (PCA). PCA is a statistical technique for simplifying data by means of underlying elements or components identifying the causes of observed variations in the variables.

Factor-1: Remote Work Learning, Development, and Well-being

Items with high loadings in professional development, training, education, mental health, virtual support, webinars, certifications, cross-training, talent development, corporate well-being initiatives, and employee welfare policies include in factor Remote Work Learning, Development, and Well-Being. In a remote work environment, this aspect indicates a broad element associated to the support of the organisation for employee learning, growth, and general well-being.

Factor-2: Remote Employee Development and Well-being Support

High Load Items for Support: Items associated to virtual wellness programs, a culture of well-being, virtual mentoring/coaching, a suitable learning environment, and access to online learning materials have high loadings in this component. This component focuses on the specific support mechanisms the organisation provides to enhance employee development and well-being in an environment of remote working.

Factor-3: Work Hours and Expectations

This component is defined by high loadings for aspects linked to the logic of the working hour's expectations, personal expectations for working hours, and the pressure to work longer hours. This component catches the employee's point of view and experience on working hours and expectations in a remote working environment.

Factor-4: Remote Work Productivity and Efficiency

This component is defined by high loadings for objects linked to having a suitable work plan, time management and job prioritisation, and the benefits of learning programs on efficiency and performance. This component highlights the employee's ability to keep output and efficiency from remote work constant.

FINDINGS OF THE RESEARCH

For analysis, the data was strong; the statistical tests revealed sufficient good responses to enable significant findings. Six elements have been shown to explain almost 58% of the variables influencing remote work experiences named Remote Work Learning, Development, and Well-being, Remote Employee Development and Well-being Support, Work Hours and Expectations, Remote Work Productivity and Efficiency

RECOMMENDATIONS AND SUGGESTIONS

It's important to stress that creating a great and productive workspace from home asks for a flexible and allencompassing approach. First priorities for businesses should be employee health and happiness, strong support

2025, 10(51s) e-ISSN: 2468-4376

https://www.jisem-journal.com/

Research Article

networks, and a culture that prioritizes both business goals and personal needs. Plan your working from home approach with first thought for your employees' experience, progress, and wellness. Give leaders the skills and knowledge needed to support remote teams in a mentoring capacity. Make sure staff members and the company can build mutual trust and honest open communication. Two traits are flexibility and adaptation. Let those who work from home flexible schedules and be ready to satisfy their needs. Following these rules and implementing the particular recommendations will enable businesses to establish a wonderful remote work environment that increases employee satisfaction, output, and general performance of the company.

LIMITATIONS

Though the study relies on self-reported data and its findings in most subgroups are context- and population-specific, it still offers interesting analysis. Ultimately, this evidence will enable organizations to develop more effective policies and processes to foster a more effective, rewarding, and sustainable remote working experience for their employees. Before these results may be expanded and expanded, future studies need to solve the found constraints so that our knowledge of the changing scene of remote work may grow.

CONCLUSION

Factor analysis, using PCA, was applied in this study to recycle through the complexity of employee experience in remote work into a small but interpretable set of common factors. During the analysis, we were able to identify and label major characteristics signifying employee well-being, supervisor support, team work, personal benefits, motivation, and expectations. The extracted factors account for a substantial amount of the total variance, providing a parsimonious description of the underlying structure influencing remote work experiences, and showcasing how PCA can effectively condense and streamline complex data while preserving critical insight.

REFERENCES

- [1] Anderson, Jacqueline. "The Real Pros and Cons of Working from Home." Chicagotribune.com, Chicago Tribune, 15 Oct. 2020, www.chicagotribune.com/business/success/sns-pros-consworking-from-home-20201015-i3wanldh3bav5ajzzq6iqfwdli-story.html.
- [2] Bernazzani, Sophia. "How Remote Work Improves Employee Productivity, Happiness, and Retention." The Predictive Index, 10 Feb. 2021, www.predictiveindex.com/blog/remotework-improves-employee-productivity-happiness-retention/.
- [3] Dutcher, E. G. (2012). The effects of telecommuting on productivity: An experimental examination. The role of dull and creative tasks. Journal of Economic Behavior & Organization, 84(1), 355-363.
- [4] European Foundation for the Improvement of Living and Working Conditions. Working Paper:No:WP/97/29/EN. 1997.
- [5] Hakim, Lukman & Sugiyanto, E. (2017). Manajemen stres kerja pengusaha untuk meningkatkan kinerja perusahaan di industri batik laweyan surakarta. Benefit : Jurnal Manajemen Dan Bisnis.
- [6] Huuhtanen, P.The health and safety issues for teleworkers in the European Union. Consolidated report.
- [7] Lykins, L.The Covid 19 hit on productivity is accelerating in most companies.
- [8] Mustajab, Duta., et al. Working from home phenomenon as an Effort to prevent covid-19 attacks and its impacts on work productivity. The International Journal of Applied Business, 5(2), 40–51.2020.
- [9] Mungkasa, O. Bekerja jarak jauh (telecommuting): konsep, penerapan dan pembelajaran. Bappenas Working Papers, 3(1), 1–32.
- [10] McCallum, E.Working from home has lifted productivity and work-life balance. https://onlinemasters.ohio.edu/blog/how-telecommuting-can-savebusinesses-money/. 2020.
- [11] Mas, A., & Moretti, E. (2009). Peers at work. American Economic Review, 99(1), 112-45.
- [12] Nuwer, R. (2016). No workplace like home. Scientific American Mind, 27(5), 38-43.
- [13] Robbins, S. P. dan Judge, T. A. Perilaku organisasi (16th ed.). Salemba Empat.2015.
- [14] Rupietta, K., & Beckmann, M. (2016). Working from home: What is the effect on employees' effort? (No. 2016/07). WWZ Working Paper.
- [15] Stadtlander, L., Sickel, A., LaCivita, L., & Giles, M. (2017). Home as workplace: A qualitative case study of online faculty using photovoice. Journal of Educational Research and Practice, 7(1), 4.

2025, 10(51s) e-ISSN: 2468-4376

https://www.jisem-journal.com/

Research Article

- [16] Syverson, C. (2011). What determines productivity?. Journal of Economic literature, 49(2), 326-65.
- [17] Vischer, J. C. (2007). The effects of the physical environment on job performance: towards a theoretical model of workspace stress. Stress and health: Journal of the International Society for the Investigation of Stress, 23(3), 175-184.