Jurnal Ilmiah Profesi Pendidikan

Volume 10, Nomor 2, Mei 2025

ISSN (Print): 2502-7069; ISSN (Online): 2620-8326

Exploring Lecturer Commitment in the Digital Era: Value, Affective, Continuance, and Normative Dimensions

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Article History

Received: March 06th, 2025 Revised: April 27th, 2025 Accepted: May 10th, 2025

Abstract: Digital transformation has increased the complexity of higher education dynamics, affecting various aspects, including lecturers' commitment to the institution. This study aims to analyze lecturers' commitment, including value, affective, continuance, and normative commitments, in the face of changes triggered by digitalization. This study used a descriptive quantitative approach, with data collected through a standardized questionnaire from 336 lecturers selected using a proportional random sampling technique. Descriptive statistical analysis was conducted with SPSS. The results showed that value and affective commitment had the highest levels, reflecting the alignment of lecturers' values with the institution's vision and their emotional attachment to higher education. However, continuance commitment showed variation, with some lecturers considering external factors such as other job opportunities and financial benefits in their decision to stay. Meanwhile, normative commitment tends to be low, indicating that not all lecturers feel morally obligated to their higher education institution. The findings emphasize the importance of institutional strategies in improving lecturers' welfare, continuous professional development, and incentive policies to strengthen their long-term commitment.

Keywords: lecturer commitment, digital transformation, higher education, academic engagement, professional development

INTRODUCTION

The rapid digital transformation in higher education has significantly reshaped teaching methodologies, institutional structures, and the professional roles of lecturers. The increasing adoption of online and blended learning models, particularly accelerated by the COVID-19 pandemic, has necessitated a reassessment of pedagogical strategies and digital competencies among lecturers (Gómez-Pablos et al., 2022; Schalk et al., 2022). As higher education institutions continue integrating digital technologies into instructional practices, lecturers face heightened expectations to develop digital literacy, innovate their teaching approaches, and adapt to the evolving landscape of higher education (González et al., 2023; Laufer et al., 2021). While digitalization has facilitated broader accessibility and instructional flexibility, it has also introduced significant challenges, including increased workloads, disparities in digital competencies, and the need for continuous professional development. These factors affect lecturers' teaching efficacy and have profound

implications for their organizational commitment and long-term engagement with higher education institutions (Conrad et al., 2022; Watermeyer et al., 2020).

organizational Lecturers' commitment reflects their psychological attachment to their influencing institutions, iob satisfaction. engagement, and overall academic performance (Amoah et al., 2021). However, the shift to digital learning environments has challenged this commitment in various ways. Many lecturers report increased stress and a lack of institutional support in navigating digital pedagogies, which can contribute to burnout and disengagement (Gómez-Pablos et al., 2022; Sang et al., 2023; Watermeyer et al., 2020). The digital divide remains a critical issue, as disparities in access to technology and internet infrastructure create uneven teaching experiences, limiting lecturers' ability to engage with students effectively (Deacon et al., 2022; Starkey et al., 2023). Additionally, the decline in face-to-face interactions has altered lecturers' professional dynamics, potentially weakening their sense of belonging and emotional connection to their

institutions (Koh & Daniel, 2022). These challenges highlight the need for higher education institutions to develop institutional strategies that address both technological and emotional aspects to foster more substantial lecturer commitment in the digital era.

Despite extensive research on organizational commitment in higher education, there remains a limited understanding of how digital transformation influences lecturers' commitment across multiple dimensions. Prior studies have examined various factors affecting commitment. such as competencies, psychological contract breaches, research engagement and the broader impact of the COVID-19 pandemic on academic work (Amoah et al., 2021; Gómez-Pablos et al., 2022; Watermeyer et al., 2020; Lifang Zhang & Xie, 2022). However, these studies primarily focus on external influences rather than providing a descriptive analysis of how digital adaptation reshapes lecturers' organizational commitment at a deeper level. While some scholars have investigated challenges in emergency remote teaching and digital tool integration, findings emphasize pedagogical and institutional adjustments rather than systematically exploring how technological transitions influence lecturer commitment (Sum & Oancea, 2022; Truss et al., 2024). Additionally, research on education's impact on lecturer performance and digital competencies does not explicitly examine how technological adaptation relates to different commitment forms (Koh & Daniel, 2022; Turner 2023). Furthermore, studies sustainability and institutional values in higher education lack direct examinations of how these elements influence lecturers' commitment in digital contexts (Aung & Hallinger, 2022; Ghasemy et al., 2022; Huang et al., 2023). These limitations indicate the need for research that systematically explores how digital shapes transformation lecturers' value commitment, affective commitment, continuance commitment, and normative commitment, offering more profound insights into their engagement with higher education institutions.

This study provides a novel contribution by offering a descriptive exploration of lecturers' commitment in the digital era, focusing on the aforementioned value, affective, continuance, and normative dimensions. While previous research has examined digital adaptation in teaching and lecturer performance, few studies have systematically analyzed its relationship with lecturer commitment. Understanding lecturers' value alignment, emotional engagement, career stability, and institutional loyalty evolve in response to digital transitions is essential for developing effective strategies to sustain lecturer well-being and institutional resilience (Turner et al., 2023). By capturing lecturers' lived experiences and perceptions, this study provides an empirical foundation for developing policies and interventions supporting lecturer adaptation to digital environments, enhancing their professional satisfaction and engagement. This research long-term particularly relevant as higher education institutions worldwide continue navigating the complexities of digital transformation, necessitating evidence-based approaches to maintain a committed and resilient academic workforce.

This study aims to examine how digital transformation influences lecturers' commitment across four key dimensions: value commitment (alignment with educational values), affective commitment (emotional connection to students and colleagues), continuance commitment (decisions to remain in their roles despite external pressures), and normative commitment (moral obligation to their institutions). By employing a descriptive research approach, this study seeks to provide a comprehensive understanding of how these dimensions manifest in the digital era. The findings will inform institutional strategies to enhance lecturer engagement, improve teaching quality, and guide policy decisions in digital education. Furthermore, this study contributes to the academic discourse on organizational commitment by offering empirical insights into the intersection between digital adaptation and lecturer retention, thereby supporting future research and policymaking in higher education.

METHOD

This study employs a quantitative descriptive research design to examine lecturer commitment in the digital era by analyzing its value, affective, continuance, and normative dimensions. A descriptive approach provides a systematic way to investigate the characteristics and patterns of lecturer commitment without manipulating variables, allowing the study to generate empirical insights into how digital transformation influences higher education

professionals. The research targets lecturers from various higher education institutions in Bali, including universities, institutes, polytechnics, colleges, and academies. The study defines its accessible population as 1,293 permanent lecturers who hold a national lecturer identification number and have obtained national lecturer certification. Using Kreicie Morgan's formula, the study determined a minimum sample size of 296 lecturers. The study increased the final sample size to 346 lecturers using Warwick & Linenger's formula to strengthen the reliability of the findings and address potential nonresponses (Subhaktiyasa, 2024c). The study applied proportional random sampling to ensure a fair representation of lecturers from diverse institutional backgrounds.

The data collection process involved administering a self-reported questionnaire based on the Lecturer Organizational Commitment Scale developed by (Subhaktiyasa, 2024d). The questionnaire consists of 36 items, categorized into four dimensions: value commitment (9 affective commitment (9 items), continuance commitment (9 items), normative commitment (9 items). Respondents rated their agreement on a five-point Likert scale, ranging from 1 (strongly disagree) to 5 (strongly agree). The study ensured validity and reliability by conducting rigorous testing. A panel of experts applied Gregory's framework to assess the instrument, producing a content validity index of 0.944, which confirmed its strong validity (Subhaktiyasa, 2024a). The study also examined item validity through Pearson's Product-Moment correlation, which verified that all questionnaire items were valid, as correlation coefficients exceeded the threshold of 0.159 at p < 0.05. The reliability test, performed using Cronbach's Alpha, produced a coefficient of 0.937, indicating high internal consistency in measuring lecturer commitment.

The study applied descriptive statistical analysis to systematically identify trends and

variations in lecturer commitment across different dimensions. Researchers computed mean scores, standard deviations, and frequency distributions to provide a comprehensive overview of the data (Subhaktiyasaa et al., 2025). The analysis utilized SPSS to ensure accuracy and efficiency in processing statistical results. The research adhered to ethical principles to protect participants' confidentiality and voluntary participation. Before completing questionnaire, lecturers received a detailed explanation of the study's objectives, significance, and potential benefits. The study required all respondents to provide informed confirming their willingness consent, and acknowledging participate that their responses would remain anonymous confidential. Researchers ensured that collected data served only for academic research purposes and complied with ethical guidelines for research involving human participants.

RESULTS AND DISCUSSION

Result

The study distributed 346 questionnaires, and 336 respondents (97%) completed and returned them. The collected data underwent thorough verification for missing values and outliers using boxplot analysis. The demographic analysis revealed that 57.7% of respondents were female, with the majority aged 30-39 (43.8%). Most respondents (73.5%) held a master's degree, while 26.5% had obtained a doctoral degree. Regarding teaching experience, 40.2% of lecturers had worked 6-10 years, while 18.2% had 11-15 years of experience. The smallest group consisted of lecturers with 21-25 years of experience (2.7%). Regarding academic rank, 63.1% held the position of Senior Lecturer, making up the majority. The study found that only 19.7% of respondents were Associate Professors, while 1.5% were Professors.

Table 1. Descriptive analysis of research variables

Organization Commitment	Statistics					
Dimensions	Range	Minimum	Maximum	Mean	Std Deviation	Variance
Value commitment	17	28	45	38.96	3.87	14.88
Affective commitment	18	27	45	38.26	3.85	14.84
Continuance commitment	33	12	45	35.37	4.66	21.73
Normative commitment	17	28	45	37.55	3.88	15.05

Table 1 presents the descriptive statistical analysis of lecturers' organizational commitment

dimensions. Value commitment records the highest mean score (38.96) with a standard

deviation of 3.87, indicating that most lecturers strongly align their values with their institution's. Affective commitment follows with a mean of 38.26 and a standard deviation of 3.85, reflecting lecturers' strong emotional attachment to their workplace. In contrast, continuance commitment has a lower mean (35.37) and the highest standard deviation (4.66), suggesting more significant variability in lecturers' perceptions of the benefits of remaining at their institution, likely influenced by external opportunities. Meanwhile, normative

commitment shows a mean of 37.55 with a standard deviation of 3.88, indicating that many lecturers feel a moral obligation to stay affiliated with their institution. These findings emphasize that value and affective commitments are the primary drivers of lecturers' organizational loyalty, while the more significant variability in continuance commitment suggests that external factors play a crucial role in their retention decisions.

Table 2. Respondents' responses to organizational commitments

Organizational	Respondent	Average				
commitment dimensions	Strongly	Disagree	Slightly	Agree	Strongly	(%)
	Disagree		Disagree		Agree	
Value Commitment	0.00	0.13	3.57	59.52	36.77	4.33
Affective Commitment	0.00	0.23	6.02	62.14	31.61	4.25
Continuance Commitment	0.26	1.28	18.53	60.02	19.90	3.93
Normative Commitment	0.00	0.13	8.73	64.81	26.32	4.17

Table 2 shows that value commitment has the highest level of agreement, with 59.52% of lecturers agreeing and 36.77% strongly agreeing, resulting in an average score of 4.33. These findings suggest that most lecturers align their values with the institution's vision and mission, reinforcing their loyalty and engagement. Similarly, affective commitment shows strong agreement, with an average score of 4.25, indicating that lecturers develop a strong emotional attachment to their institution, which enhances motivation and job satisfaction. In contrast, continuance commitment exhibits more

significant variability, with an average score of 3.93, reflecting that some lecturers consider external factors, such as career opportunities or financial benefits, when deciding whether to remain. Normative commitment presents a positive trend, with a mean of 4.17, showing that most lecturers feel a moral and professional obligation to stay. These results highlight that value and affective commitment play a dominant role in sustaining lecturers' organizational loyalty, while external considerations influence continuance commitment.

Table 3. Categories of organizational commitment scores

Indicator	Organization	Category (%)					
Commitment		Excellent	Good	Moderate	Low	Very Low	
Value commitm	nent	36.3	15.8	42.6	3.6	1.8	
Affective comm	nitment	28.6	16.7	44.0	8	2.7	
Continuance commitment		32.1	52.7	13.4	1.5	3	
Normative commitment		24.7	10.7	48.5	14.3	14.3	

Table 3 indicates that value commitment is mainly in the moderate category (42.6%), followed by excellent (36.3%), with a small proportion in the low category. Affective commitment shows a similar pattern, predominating the moderate category (44.0%) and a small proportion in the low category. Continuance commitment has a different distribution, with 52.7% in the good category and 32.1% in excellent, suggesting that many lecturers stay at the institution due to external considerations. Meanwhile. normative

commitment was dominated by the moderate category (48.5%) but had a sizable proportion in the low and very low categories (14.3% each), indicating that not all lecturers felt a strong moral responsibility towards the institution. This finding indicates that lecturers tend to have high-value alignment and emotional attachment but consider external factors in their continuance commitment. In addition, the significant proportion in the low category on normative commitment emphasizes the need for institutional strategies to strengthen lecturers'

engagement through improving job welfare, strengthening academic culture, and creating a professional environment that supports the sustainability of educators in higher education.

Discussion

The study results provide an understanding of the high perception of lecturers towards value, affective, continuance and normative commitments that emphasize the importance of lecturer commitment to higher education management (Subhaktiyasa, Arisusana et al., 2024; Subhaktiyasa, Mustari, et al., 2024). lecturers Values-based can reduce counterproductive work behaviors that impact the overall productivity of the higher education institution (Subhaktiyasa & Sintari, 2024). The analysis illustrates that value commitment has the highest level of perception compared to other dimensions. Most lecturers feel that their values are aligned with the institution's vision and mission, reflecting a strong identification with higher education. their This alignment strengthens lecturers' loyalty and engagement with the institution, especially in the face of changes triggered by digitalization (Aung & Hallinger, 2022; Rögele et al., 2022). Highly committed lecturers tend to be more proactive in pedagogical innovations contributing to sustainable educational practices (Diehl & Golann, 2023; Karnopp, 2022). In addition, this commitment creates a strong academic culture where lecturers feel valued and encouraged to actively participate in achieving college goals (Roos et al., 2022). The research findings align with previous studies showing that value commitment is often higher than other commitment dimensions due to institutions' increasing focus on sustainability and ethics in higher education (Aung & Hallinger, 2022; Nousheen & Tabassum, 2024). When institutions embed such values in their operational policies and practices, lecturers tend to have a more profound sense of attachment, increasing their loyalty and driving innovation in learning (Amoah et al., 2021; Bookbinder et al., 2024). This high-value commitment also includes strengthening professional development, where lecturers are more encouraged to improve their skills in digital technology and innovation-based learning methods (Renfors, 2024; Yang et al., 2023). Therefore, value commitments strengthen academic integrity and catalyze a higher environment oriented education towards

sustainability and academic excellence in the digital age (Rushton & Reiß, 2020).

Affective commitment among lecturers in the digital age reflects their emotional attachment to the institution, which is crucial in enhancing their dedication to higher education. Digital transformation has strengthened this attachment, as lecturers with high affective commitment are more likely to embrace innovation and adapt their teaching methodologies to integrate digital technologies (Gómez-Pablos et al., 2022). Their willingness to engage with technological advances increases job satisfaction strengthens relationships with students and the academic environment (Almenara et al., 2021). Moreover, the continuous development of digital competencies is positively perceived by lecturers with strong affective commitment, who view these changes as opportunities for professional growth rather than mere challenges (Starkey et al., 2023). This commitment also encourages collaboration between lecturers, creating a more cohesive academic community, especially during significant shifts such as the transition to online learning during the COVID-19 pandemic (Conrad et al., 2022; Williamson, 2020). Previous studies support these findings, demonstrating that lecturers who fee1 emotionally connected to their institutions are more engaged in adopting digital pedagogies and improving their skills (González et al., 2023). In addition, community and shared goals within the academic environment strengthen affective commitment, improving teaching effectiveness and educational retention (Nienhusser & Connery, 2021; Yang et al., 2023). The implications of strong affective commitment go beyond individual professional growth, fostering academic collaboration, promoting teaching innovation, and increasing institutional resilience in navigating the complexities of digital education (Santos et al., 2023; Viberg et al., 2024).

In contrast to the previous two dimensions, the results suggest that lecturers' continuance commitment in the digital era is highly variable, with many lecturers considering external factors, such as other job opportunities and financial benefits, in their decision to remain at the institution. Changes in the educational landscape due to technological advances and increased competition for educators have prompted lecturers to reassess their loyalty, not only based on emotional attachment but also pragmatic

considerations related to career stability and financial prospects (Benden & Lauermann, 2022; Johnson et al., 2021). Previous studies have shown that work flexibility and work-life balance are key factors influencing the sustainability of lecturers' commitment, especially amid digital transformation changing work expectations in the higher education sector (Abedini et al., 2021; Lockee, 2020). As academic competition increases, higher education institutions must adjust their retention strategies by offering competitive compensation, professional development opportunities, and a supportive work environment to retain qualified educators (Kortemeyer et al., 2023; Weidlich & Kalz, 2021). In addition, external factors, such as the rise of digital-based employment opportunities and new competency certifications, have led lecturers to increasingly consider alternative career prospects outside traditional academic institutions (Chen & Vanclay, 2021; Khan et al., 2024). Therefore, an institution's success in retaining lecturers depends on its strong organizational culture and ability to respond to labor market dynamics and adapt institutional strategies to lecturers' individual needs (Yu-peng & Yu, 2023; Li Zhang & Hwang, 2023). By understanding the complexity of factors that influence continuance commitment, higher education institutions can develop adaptive policies to create a stable and sustainable academic environment amid changes triggered by digital transformation.

The results found that lecturers' normative commitment in the digital era tends to be low, indicating that not all lecturers feel morally obligated to remain at their higher education institutions. The changing dynamics of work in higher education, especially after COVID-19, have shifted the professional orientation of lecturers, where the decision to stay in the institution is influenced more by external factors than moral-based loyalty (Renfors, 2024; Li Zhang & Hwang, 2023). Labor market flexibility, increased digital employment opportunities, and professional expectations changing diminished educators' normative commitment (Griffioen, 2020; Lewohl, 2023). As technology in education evolves, lecturers increasingly consider career prospects and personal development as key factors in their decision to remain at the institution or seek other opportunities (Cabral et al., 2023; Luederitz & Etzion, 2024). This situation has significant

implications for higher education institutions, as low normative commitment can lead to decreased lecturer engagement, increased turnover rates, and reduced stability of the teaching force (Lechuga et al., 2023). Therefore, institutions must develop strategies to increase lecturers' sense of belonging and loyalty, such as supportive and spiritually-based leadership, clear career paths, and continuous professional development programs (Datu et al., 2022; Olivier et al., 2024; Subhaktiyasa, 2024b; Subhaktiyasa et al., 2024). Without these efforts, institutions may have difficulty retaining qualified educators, ultimately impacting the quality of learning and the student experience (Voet & Wever, 2020). In addition, low normative commitment may hinder collaborative efforts in achieving institutional goals, especially in the face of digitization challenges that require value alignment and shared commitment from all academic personnel (Ojedokun, 2021; Qiao et al., 2022). Thus, higher education institutions must build an inclusive and supportive academic culture to enhance lecturers' moral responsibility towards their institutions.

CONCLUSION

This study reveals that value and affective commitment are crucial in fostering lecturers' loyalty to higher education institutions, while external factors influence continuance and normative commitment. Most lecturers exhibit strong value alignment with institutional missions and emotional attachment, positively impacting motivation and job satisfaction. However. the variation in continuance commitment indicates that some lecturers consider financial stability and alternative job their career decisions. opportunities in Additionally, the high proportion of lecturers with low normative commitment highlights the need for institutional strategies to strengthen their moral responsibility towards the institution. These findings emphasize the importance of institutional policies in improving lecturers' wellbeing through strengthening academic culture, providing incentives, and promoting continuous professional development. A supportive work environment and recognition of academic contributions are crucial in enhancing lecturers' commitment. Despite its contributions, this study has limitations. The focus on a single region limits the generalizability of the findings, and the reliance on a quantitative approach may not fully

capture the complexity of lecturers' commitment. Future research should expand the geographical scope and incorporate qualitative methods to gain deeper insights into the factors shaping lecturers' commitment. Moreover, further exploration of how digital transformation influences long-term academic engagement and retention strategies in higher education is needed.

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