Factors Influencing Innovative Behaviour of Teachers in Secondary Schools in the North East of Nigeria

Faiza Abubakar Bawuro 1,2, Ibrahim Danjuma 2, Helavalada Wajiga 2

1 Universiti Tun Hussein Onn Malaysia
101 Parit Raja, Batu Pahat, Johor, 86400, Malaysia
2 Modibbo Adama University of Technology, Yola
P. M. B. 2076, Yola, Adamawa State, Nigeria

DOI: 10.22178/pos.32-9
LCC Subject Category: LB1705-2286

Received 10.02.2018
Accepted 15.03.2018
Published online 24.03.2018

Corresponding Author:
Faiza Abubakar Bawuro,
faizabawuro@gmail.com

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Abstract. Innovative behaviour (IB) refers to the process of developing, generating, applying or promoting new ideas by employees to increase job performance. Today, the rapid social and technological changes in our environment highlight the significance of IB of employees and especially for teachers. Thus, this paper aimed to develop a conceptual framework of factors influencing innovative behaviour of teachers in secondary schools. The research was explored through critical related literature analysis. Findings were presented in form of descriptive analysis, which shows that workplace happiness (WP), organisational climate (OC), affective commitment (AF) and transformational leadership (TFL) play a direct role in affecting innovative behaviour. The paper concludes that WP, OC, AF and TL have a positive impact in creating the essential conditions to encourage teachers to show IB in schools.

Keywords: innovative behaviour; workplace happiness; organizational climate; affective commitment; transformational leadership; teachers.

INTRODUCTION

Teachers play a significant role in creating and maintaining effective learning to face the challenges of teaching in the 21st century. The rapid social, economic and technological changes in our society made it impossible to manage educational institutes [1]. Thus, efficient knowledge and teacher’s innovative behaviour are crucial for providing high quality education [2].

Innovative behaviour is defined as the deliberate action to develop or produce idea to enhance role performance [3]. While Y. Kheng and R. Mahmood [4] describe innovative behaviour as the process of introducing new ideas and carrying it to its final stage of implementation. Hence, innovative teaching is important for all teachers to meet the present and future educational needs of today [5]. School management must integrate all creative intellectual activities, technical skills, leadership skills, generate change and support various forms of activities that would allow the schools to survive in the modern climate to secure their future [6]. However, what is more significant than innovation is how the innovative ideas are developed [7]. Thus, J. de Jong and D. Hartog [8] proposed four components model of innovative behaviour to provide an explanation on how individual’s innovate and implement new ideas. These components include: the opportunity exploration, idea generation, championing or supporting the idea and implementation. C. Binnewies and M. Gromer [9] highlight that it is significant to note that teamwork and cooperation enhance innovation, it is difficult for innovation to be forged by an individual alone.

Scholars have paid attention to the research of organisational innovation and individual innovation [10, 11]. As a result, issues affecting innovative work behaviour of employees have been
widely investigated [6, 12, 13]. The findings from literature reveal that issues such as workplace happiness, organisational climate, affective commitment and leadership style are some of the identified factors affecting innovative behaviour of individuals at work [14, 15, 16]. However, most of these research studies on innovative behaviour (IB) are mainly carried out in first world countries and focused on service, manufacturing and industrial sectors [17]. M. Thurlings, A. Evers, M. Vermeulen [6] argue that research studies on IB have not yet received the level of attention in third world countries. It is against this phenomenon that this paper proposed to fill a knowledge gap related to IB in educational institutes, whose duty is designed to provide valuable and useful knowledge to students. Hence, this paper aimed to investigate factors influencing IB of teachers in secondary schools. It is believed that this study will provide relevant information on IB that would help the government to develop an effective educational reform to benefit its citizens.

Teachers Innovative Behaviour

IB is an intentional or deliberate behaviour of individuals to develop or apply new ideas to enhance role performance [18]. While Y. Kheng and R. Mahmood [4] define IB as the intentional efforts to gain amazing rewards. However, O. Janssen [19] argues that individual behaviour should emphasise IB and should not be limited to additional role in reward system. As a result, the combination of views formed three components of IB, which includes the following: (1) generation of idea (2) idea promotion (3) realisation of idea in teaching and learning.

Ideation means the formulation of new ideas in teaching and learning. While promotional ideas are associated to situations where teachers are bound by the obligations to generate new ideas for teaching and learning [20]. Thus, teachers need basic knowledge and skills or the appropriate method to promote ideas that can be utilized designing and delivering classes [21]. For example, by finding allies or organisers that can support or influence the implementation of new teaching methods or updated curriculum in schools. Lastly, realization refers to the process of innovation to realize initial idea [20]. Therefore, S. Scott, R. Bruce [22] suggest follow-up process also known as model of education, where ideas can exist in form of teaching experience that constitutes an additional role in the behaviour of the work, especially in teaching and learning.

Therefore, C. Kivunja [23] defines innovative teaching as the ability of the teachers to engage students in the classroom, to improve students’ ability to learn, to identify and address the different needs of students by applying strategies. Also, it helps the teachers to identify their creativity in the learning process. M. Buxton, J. Phillippi, M. Collins [24] confirm that teacher's innovation is important for both the teacher and student in the learning process. It improves teaching methods and ensures attention management of students.

Workplace happiness

The concept 'happiness' has been a subject of debate in recent years [25]. It refers to the feeling or experience of satisfaction, positive wellbeing, sense of joy combined with meaningful work [26]. Evidence show that the presence of happiness at work encourages positive outcomes [5, 27, 28, 29, 30]. Thus, happiness is a multidimensional construct that comprises of many components such as satisfaction, autonomy, work integration and aspiration [31]. A. Kaya [32] believes that happiness at workplace often has positive impact rather than negative impact on people. L. Straume, J. Vittersø [33] identified that there are two approaches of happiness namely: hedonic and eudaimonic approach. Hedonic approach focuses on pleasures of the mind and body by avoiding pain. While eudaimonic approach is a deeper level of perceived happiness that exist through involvement or doing something meaningful and noble that generate progress. Literature reveals a positive connection of happiness at the workplace on creativity [34]; self-efficacy [35]; job satisfaction [26]; emotional stability [36]; intention to quit [37].

A. Abdullah, Y.-L. Ling [5] found that leaders can improve workplace happiness to increase the level of IB among employees. This means that leaders can affect the mood of their followers to ensure innovativeness. According to E. Tee, N. Ashkanasy, N. Paulsen [38], positive mood state of a leader can influence the followers to experience the same positive mood. This is because a leader's mood can provide a better or conducive environment to influence or control the interaction of resources [39]. Thus, teacher's
emotional state or mood can affect teaching and learning [40]. P. Garner [41] explains that since happiness is an element of mood that encourages a person to feel, think or act towards achievement of goals, a positive mood of a teacher can affect co-workers and students. This positive act can promote a healthy climate and social relationship among the school community. For example, healthy school environment can provide teachers with happiness, and through the positive mood, students can learn with joy. L. Fried [42] highlighted that happiness is always displayed on the face of the teachers, which has a direct impact on the students during learning. So, we can argue that the feeling of happiness can encourage IB of teachers. Also, innovative and creative teachers can attract and stimulate students’ minds by applying fun to the content of lessons during teaching.

Organisational climate

Organisational climate (OC) is sometimes used equally with work environment. OC plays a major role in the innovation of any business, as it has become critical for individuals, organisations and nations in a challenging world [43]. Therefore, organisational climate has been given much attention by numerous researchers [16]. OC emphasises the importance of employees’ perception as to which extent the organisation encourages innovation. For example, practices to motivate inventions or new ideas, supportive procedure, awareness of the importance of innovation and achieving of results. According to [44], OC has a significant relationship with innovativeness and creativity of employees. Research shows that it is crucial for organisations to support and reward workers to encourage IB at workplace [3, 45, 46]. Thus, organisational supportiveness or climate encouraging innovativeness should include the following: rewarding employees for maintaining their innovativeness, providing learning opportunities to develop new ideas, tolerance for failures, empowerment and useful administrative practices to create suitable OC that fosters sustainable climate for innovation [43]. G. Solomon, E. Winslow, A. Tarabishy [47] and R. Imran, T. Saeed, M. Anis-ul-Haq, A. Fatima [43] conclude that to achieve work environment that supports innovation, it should have features like autonomy, encouragement by supervisor and team cohesion. Additionally, R. Shanker, R. Bhanugopan, van der Heijden, M. Farrell [16] identified that OC variables such as organisational support, management support, support by team member and challenging work have strong impact on individual innovation and creativity. So, to boost creativity and innovation of among the workforce, organisations should create a work environment with supportive features and reward strategy [48].

Thus, creative and innovative teaching depends on the employee’s working conditions and OC [49]. T. Fidan, I. Oztürk [50] explain that a positive working environment, opportunities for learning, fairness and well treatment encourages teachers to develop new teaching methods, and which in turn, serve as a challenge in the education process for their students. Similarly, F. Hénard, D. Roseveare [51] confirm that features such as supportive school environment and good relationship with co-workers encourage teachers’ innovative teaching. Consequently, a positive organisational climate perceive by teachers can encourage IB.

Affective Commitment

Organisational commitment (OC) has grown popularity in fields like industrial and organisational psychology [52]. J. Meyer, N. Allen [53] defined OC as a tri-dimensional concept namely: continuous, normative, and affective dimensions. However, among the three components mentioned above, affective commitment has the strongest connection with the meaning of attitude and employee outcome [54]. Innovation is risky process that involves behavioural aspect of an individual in dealing with a problem [55]. Thus, IB can only be practiced by employees that have positive feelings of attachment or identification with the organisation. M. Xerri, Y. Brunetto [56] assume that employees’ affective commitment (AC) to the organisation will influence their ability to innovative, share knowledge tackle work-based issues. As a result, there are many literatures that examined the relationship between IB and AC [55, 57, 58, 59]. These scholars concluded that AC has strong connection with positive work outcomes, such as IB, happiness, satisfaction. Employees that are strongly committed or attached to their workplace are more likely to perform effectively and develop new ideas to help the organisation [56]. While some researchers [60, 61, 62] found that AC eliminate negative impact of health problems and reduce work pressure of employees.
L. Rhoades, R. Eisenberger, S. Armeli [63] describe AC as the employee’s feeling of emotional bond or attachment to the workplace. Employees that are affectively committed are usually considered to be loyal and dedicated [64]. Also, sense of belonging is connected with the emotional attachment of the employees and these employees have the willingness to work effectively and to be engaged in productive activities towards the attainment of goals [65]. In summary, affectively committed employees are more concerned with the wellbeing of their workplace and are more motivated to support the organisation. This is because, such employees align their visions with and the organisation’s visions [66]. For example, developing innovative solutions to problems, putting extra effort to acquire innovative capabilities and improving innovative behaviour to increase performance.

Therefore, from the perspective of bonding to schools, affective commitment refers to emotional affection of the teachers’ involvement in work with feeling of pleasure and identification of with the schools [5]. Also, it can be described as the willingness of the teachers to maintain membership in their school as the responsibility for achieving goals [67]. The latter is in line with J. Meyer, N. Allen [53] opinion that AC is related to emotional relationship with subordinate, identification with and involvement members of the organisations. This implies that subordinates that have high level of AC will remain as members of the organisation because they are confident about the goals and values of the organisation [68].

**Transformational Leadership**

Innovation is never a solitary or lonely process [69]. IB is determined by the interaction with others, particularly depended on leaders to provide resources, information and support that are needed by employees to innovate [70]. The positive relationship between a leader and the employees is confirmed by numerous scholars such as [71, 72, 73, 74]. The scholars supported that leaders are the driving force behind individual innovation. This implies that innovation stimulating leadership can encourage IB of employees. However, R. Basu, S. Green [75] argue that the relationship between a leader and IB of employees would only be strong if the employees perceive that their IB will benefit their work.

Therefore, among the different types of leadership styles, this paper selected Transformational leadership to demonstrate the positive effect of a leader to influence IB of individuals. Transformational Leadership (TFL) is the ability of the leader to inspire employees to have confidence and trust in performing at a higher level, making changes and working efficiently in the interest of the organisation [74]. TFL has components such as [76]:

1. **idealised influence** – refers to leaders who are role model;
2. **inspirational motivation** – involves leader’s ability to encourage or motivate employee to work enthusiastically and positively;
3. **intellectual stimulation** - means leader’s ability to inspire the team to identify solutions to problems in different perspectives by using initiatives and creativity;
4. **individualised consideration** – refers to leader’s ability to be concerned with employees’ needs and desires by making them feel valued by the organisation.

According to J. de Jong, D. Hartog [77] leadership behaviours show features such as providing resources, consultation, delegating, monitoring and recognising task assignment that have substantial relationship with IB. B. Afsar, Y. Badir, B. Bin Saeed [78] and V. García-Morales, F. Lloréns-Montes, A. Verdú-Jover [79] confirm that TFL affects organisational innovation and knowledge management. Also, a similar study by N. Nusair, R. Ababneh, Y. Kyung Bae [80] support that TFL affects both organisational innovation and learning orientation.

However, poorly prepared or inadequately positioned leaders may create enormous problems for any organisation [81]. Employees need leaders with competencies and skills in leading self, others, the organisation and systems [82]. L. Gumusluoğlu, A. Ilsev [83] found that some employees are not usually influenced by their leaders or supervisors, but rather external work contacts can influence their IB. People with more external contact are likely to perform higher levels of IB because they are exposed to different opportunities and can easily obtain support or resources to implement the new idea [84]. However, numerous empirical investigations have confirmed a significant relationship between leaders and employees [85, 86, 87].

Section "Education"
RESULTS AND DISCUSSION

Evidence from the critical review of literature found that teachers play a role in promoting both academic and social success of educational institutes [88]. Job roles and performances of teachers in educational and social processes are important in providing school development [89]. Thus, enhancing teachers’ performance can be confirmed through their innovative behaviours after recruitment. For instance, teachers who have innovative skills can ensure continuous performance and sustainability of their professional development [90]. Revealing how WH, OC, AC and TFL influence IB is surely a great importance in terms of providing quality education through innovative teaching.

As a result, this paper proposes a relationship model of factors influencing IB that can be used to support teachers in secondary school (see Figure 1).

Figure 1 – Proposed model showing the relationship among factors influencing innovative behaviour of teachers in secondary schools

Figure 1 shows that workplace happiness, organisational climate, affective commitment and transformational leadership directly influence innovative behaviour. Meanwhile, workplace happiness affects affective commitment to innovative behaviour. Likewise, transformational leadership indirectly affects organisational climate to encourage innovative behaviour.

Accordingly, organisations should attempt to create and maintain WH to increase the level of AC, as well as encourage continuous and normative commitment to maintain the desire to build IB among employees. According to M. Janik, S. Rothmann [91], happiness at workplace can improve individual performance of teachers as well as innovative behaviour. However, workplace happiness and affective commitment cannot be achieved without effective leadership style and positive organisational climate. In support, A. Salas-Vallina, Á. López-Cabrales, J. Alegre, R. Fernández [92] agree that effective leadership behaviour have a positive connection with happiness and job satisfaction. In fact, S. Meena, M. Agarwal [93] believe that providing a conducive organisational climate can affect workplace happiness positively.

CONCLUSION

This paper aimed to develop a conceptual framework of factors influencing innovative behaviour of teachers in secondary schools. The model demonstrates relationship among workplace happiness (WH), organisational climate (OC), affective commitment (AF) and transformational leadership (TFL). The proposed model can be used to assist future study on factors influencing teachers’ innovative behaviour in schools, as the relationship between these factors can be examined. The knowledge acquired from the findings will add to the existing knowledge regarding innovative behaviour in Nigeria. Also, it can be used as a guideline to support teachers in developing innovative behaviour to improve effectiveness of the teaching profession and quality education.
REFERENCES


