

The Study of Factors Affecting Class Management Effectiveness

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ABSTRACT : This study investigated the effects of knowledge management, leadership style, and information technology on class management effectiveness and identified the factors that influenced class management effectiveness. The results of this study show that the higher the degree of knowledge management, leadership style, and information technology application, the more positive the effect on class management effectiveness. The finding of this study can be used as a reference to improve class management effectiveness.

KEYWORDS-knowledge management, information technology, class management

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I. INTRODUCTION

This study investigated the effects of knowledge management, leadership style, and information technology on class management effectiveness and identified the factors that influenced class management effectiveness. The results of this study show that the higher the degree of knowledge management, leadership style, and information technology application, the more positive the effect on class management effectiveness. The finding of this study can be used as a reference to improve class management effectiveness.

II. LITERATURE REVIEW

2.1 Knowledge Management

According to Carlucci et al. (2004), knowledge management refers to the process of organizing, updating, organizing, analyzing, and sharing with others overtime on the understanding of information. Lee & Hong (2002) divided knowledge management activities into four basic steps, including knowledge acquisition, knowledge development, knowledge sharing, and knowledge utilization.

2.2 Leadership Style

Bass & Avolio (1990) classified leadership styles into transactional leadership and transformational leadership. Quinn (1988) proposed four types of leadership styles, such as goal-oriented; stable and conservative; compassionate and supportive; and innovative and adaptive.

2.3 Information Technology

According to Roberts (1996), information technology refers to all the hardware and software tools used to acquire, apply, present, store and communicate information. Miller and Doyle (1987) pointed out that the investment in information technology must be based on an understanding of the importance of information technology in the company. A certain level of investment in software, hardware, and personnel should be made, and users' needs should be taken into account when conducting personnel training.

2.4 Class Management Effectiveness

Smith et al. (2001) suggested that class management is the process of systematically constructing the class environment to facilitate effective teaching and learning conditions. According to Wu (2004), class management effectiveness can be assessed by teachers' teaching quality, class contextual planning, class climate creation, and student life routines.

III. RESEARCH METHOD

This study investigated the correlations between knowledge management, leadership style, investment in information technology, and class management effectiveness with the following hypotheses.

H1: Knowledge management implementation has a positive effect on class management effectiveness.

H2: Leadership style has a significant relationship with class management effectiveness.

H3: Investment in information technology has a positive effect on class management effectiveness.

3.1 Knowledge Management on Class Management Effectiveness

Hsu (2006) pointed out that the higher the degree of knowledge management, the better the class management effectiveness. Furthermore, Tai (2004) suggested that knowledge management has a positive effect on class management effectiveness. From the literature review, H1 was confirmed in this study.

3.2. Leadership Style on Class Management Effectiveness

Lin (2007) stated that the leadership style of teachers has a positive relationship with class management effectiveness. Lin (2010) argued that teacher leadership style affects class management effectiveness, and H2 was confirmed in this study from the literature review.

3.3 Information Technology and Class Management Effectiveness

Tseng (2010) argued that the integration of information technology in teaching and learning can enable students to solve problems immediately and enhance class management effectiveness. Wang (2009) stated that the integration of information technology in teaching and learning enhances class management effectiveness. H3 was confirmed in this study from the literature review.

IV. CONCLUSION

This study showed that knowledge management, leadership style, and investment in information technology have significant effects on class management effectiveness, and the higher the investment in information technology and knowledge management, the better the class management effectiveness. This study can be used as a reference for teachers to improve the effectiveness of class management and avoid unnecessary time for exploration.

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