RESEARCH ARTICLE

School Performance, Leadership and Core Behavioral Competencies of School Heads: Does Higher Degree Matter?

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Abstract

This paper finds out whether a higher degree matters in school performance, and in demonstrating leadership and core behavioral competencies among school heads. This was conducted to support the existing and future policies of the Department of Education and interested funders for the scholarship and advanced studies of school heads. Using a cross-sectional method, it involved 192 randomly selected participants. Data on school performance was obtained at the office of Surigao del Sur Division, while data on competencies were gathered through the self-administered assessment tools developed by the Department of Education. These data were analyzed using descriptive statistics and analysis of variance. Results revealed that there was no significant difference in the school performance of school heads. This implies that the highest degree obtained is not a guarantee for better school performance. As found, those with doctorate degrees had a very high and consistent demonstration in all dimensions of leadership and core behavioral competencies. As unveiled, there were significant differences in the demonstrated competencies based on the highest educational qualifications. These imply that obtaining the highest degrees can allow school heads to acquire, develop, and demonstrate the competencies consistently better than their counterparts. Results have implications for DepEd officials, funders, and policy-makers.

Keywords: Results-based Performance Management System, Highest Educational Qualifications

1 | INTRODUCTION

Highly equipped school heads are those who acquired the optimum level of the necessary competencies needed for the work they are expected to do. However, competencies would vary across contexts based on legal requirements, job demands, and factors related to organizational culture. It is not known yet in any country whether the highest degree obtained is needed for the work of a school head. But because of high expectations from people, for promotion purposes, and the evolving and pivotal roles (Ferrari, 2018), school heads tend to get the highest degree before or when they are into the
work. The question is, does obtaining a higher degree matter in school performance and in demonstrating the leadership and core behavioral competencies? Is it not enough to finish a bachelor’s or a master’s degree to play leadership roles in school? Can the policy and decision-makers and department of education officials, expect much from school heads who had advanced studies? Is there enough reason for the funders to continuously support current and future school administrators by sending them to continuing education? These questions may have contradicting answers.

There have been studies linking leadership and school performance. However, the performance they mean was limited to learning, academic achievement, or grades of students. A few have tried to link degrees obtained with performance and leadership. For example, a study found that principals’ leadership styles have no significant correlation with qualification (Sawati, Anwar & Majoka, 2013). Furthermore, the level of education cannot vary the perceptions of school leaders towards leadership competencies. These competencies include organizational strategy, resource management, communication, collaboration, community college advocacy, and professionalism (Bechel, 2010). As claimed, principals who are not well-equipped with the knowledge and skills in management and leadership would not be able to improve school performance significantly (Tilahun, 2014). Again, much in literature are referring to school performance to student grades or academic achievement. A study, like the current, is deemed relevant to contribute to the discussion on this topic.

For the present study, school performance refers to the ratings of school heads in-office performance commitment and review (OPCR) in the different key results areas. The KRAs are broad categories of general outputs and outcomes in which school heads are expected to focus on annually (DepEd, 2015). This performance-based on KRAs includes teaching, learning, leading, and school operations. With the implementation of the Results-based Performance Management System, it allows Department of Education to assess and evaluate the school heads’ performance using a set of criteria. First, the quality and effectiveness which refers to the extent of actual performance compared against the target. In short, effectiveness relates to getting the right things done. Second, efficiency has something to do with the extent to which time and resources are used for the target in every KRA. Thus, it is about doing things right. Lastly, the timeliness which measures whether the deliverable was done on time according to the requirements, rules, and regulations (DepEd, 2012).

Generally, school performance is an over-all and collective effort between teachers and principals. Tilahun (2014) argued that it encompasses the full range of activities that would characterize a school as being successful. This furthermore includes the well-motivated and committed teachers, learner satisfaction and involvement, parental involvement, a clean orderly school environment, and strong principal leadership. As reported, principals’ performance has a very weak relationship with teachers’ influence (Nathanaili, 2016). To ensure high performance, it requires the effective use of organizational resources through the leadership functions of planning, organizing, leading, and monitoring (Lunenburg, 2012). Besides, the principal performance was found at a good level and it was influenced by the atmosphere of school organization and work motivation (Wahab, 2012).

Annually, school heads assess themselves using the tools on leadership and core behavioral competencies. This is for their annual performance management and review. At the performance planning phase, district supervisors put together the results of their assessment which serve as bases in determining professional development of school heads and in searching for potentials resource persons for training, especially those who had manifested as role models. Simply, “leadership competency is one of the major qualities of the principal to ensure the performance

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of school” (Thapa, 2016, p. 111). “School leadership competencies in all types of schools were not satisfactory and adequate to address the growing quality expectations of learners and parents of schools in Nepal” (Thapa, 2016, p. 120). Generally, competencies refer to the knowledge, skills, and behaviors that school heads need to demonstrate to achieve results. In the present study, leadership competencies are limited to leading people, people performance management, and people development. These are the competencies intended for managerial positions that apply to third-level officials, chiefs and assistant chiefs, and school heads and department heads (DepEd, 2015).

Stipulated in the Department of Education’s (2015) order no. 2, that the core behavior competencies cut across the organizations that include self-management, professionalism, and ethics, results in focus, teamwork, service orientation, and innovation.

The highest educational qualification is the obtained bachelor’s, master’s, and doctorate degrees of school heads at the time the study was conducted. Bechel’s (2010) study clustered it as high school, 2-year college, 4-year college, masters, and doctorate levels. This paper finds out if obtaining a higher degree can make a significant difference in the school performance and in demonstrating leadership and the core behavioral competencies among school heads. It tested the hypothesis that those school heads with doctorate degrees can perform an outstanding and extraordinary level of achievement and commitment than their counterparts (Ho1). It also tested that school heads with doctorate degrees can demonstrate more consistently higher the leadership and core behavior competencies over those with master’s and bachelor’s degrees (Ho2).

2 METHODS

The study employed a cross-sectional method to find answers to the stated questions and hypotheses. Two sets of adopted assessment tools on leadership and core behavioral competencies developed by the Department of Education were administered to 191 randomly chosen school heads from Surigao del Sur Division. Participants were clustered using their highest educational qualifications: bachelor’s degrees (57), master’s degrees (111), and doctorate degrees (24) for the comparative analysis. The data on school performance was obtained from the archived records of the annual Office Performance Commitment Rating (OPCR) of the school heads in 2018-2019. This performance covered all key result areas mandated by the agency for school heads. These data were requested from the division office. All these data were analyzed using mean and standard deviation to provide preliminary information before comparison. To compare the groups’ school performance, demonstrated leadership and core behavior competencies, ANOVA, and post hoc tests using Tukey were performed. These statistics allowed the proponents to test the hypotheses.

3 RESULTS

The descriptive results are shown in Table 1. These are on school performance, leadership, and core behavior competencies of school heads. Based on Office Performance Commitment and Review Rating in 2018-2019, school heads have performed very closely. Whether they have the bachelor’s, master’s, or doctorate degrees, results show it does matter and show an advantage since all school heads had very satisfactory ratings. Thus, all school heads have exceeded the expectations set in their annual plans. Regardless of their qualifications, school heads had demonstrated a high self-management, results focus, and innovation. This means they all demonstrated these competencies consistently. However, those school heads with doctorate degrees appeared to have a very high demonstration in professionalism and ethics, teamwork, and service orientation. This indicates that these individuals are role models in these aspects of core behaviors. This is supported in the over-all results of demonstration in core behavior competencies where they also had a very high demonstration. In leadership competencies, school heads had a high demonstration in leading people and on people’s development. Thus, these competencies were consistently demonstrated by them. However, only the school heads with doctorate degrees had a very high demonstration of people performance management.
This means these individuals are role models on this aspect of leadership. These descriptive comparisons may be confirmed in tables 2, 3, 4, and 5 in which one-way ANOVA and Post Hoc Tests results are presented. In table 2, it is confirmed that there is no significant difference in the school performance of school heads. Therefore, having the highest educational qualifications does not matter in performing the key results areas of school-based management. On leading people, the significant difference occurred between those with bachelor’s degrees and doctorate degrees. In the descriptive results shown in table 1, both groups had a high demonstration of this competency where they had a consistent demonstration and thus, they exceeded the expectations. ANOVA results (F=4.731, p<0.05) show that this difference is statistically significant. Using Tukey, Post Hoc Test revealed further that the Mean Difference (MD= -14.404*, p<0.05) is also statically significant. And so, those with doctorate degrees are of advantage in demonstrating the competency of leading people. Therefore, a doctorate degree does matter in leading people. This implies that school heads with a doctorate can better lead their constituents in their respective schools than their counterparts. For the people performance management competence, the ANOVA results (F=7.660, p<0.05) presented a significant difference in the level of demonstration. The significant difference is between school heads with bachelor’s degree and with doctorate degrees (MD= -56.535* p<0.05), and between school heads with master’s degrees and doctorate degrees (MD= -.33851* p<0.05). Consistently, the highest educational qualification turned to be of advantage in demonstrating the said competency. Thus, school heads who are full-pledged doctorate holders have acquired considerable knowledge and skills on people performance management better than those school head with master’s and bachelor’s degrees, respectively. This may imply that their studies or any other experiences have allowed them to demonstrate the said competency at work. These results confirm the descriptive results above where those with doctorate degrees have become role models in demonstrating the people performance management competence.

### Table 1: Descriptive Statistics on School Performance and the Level of Demonstrated Leadership and Core Behavior Competencies among School Heads

| Variables                  | Groups       | N=100 Mean | SD | QD | Interpretation |
|---------------------------|--------------|------------|----|----|----------------|
| School Performance        | Bachelor's Degree | 57         | 4.16 | .25 | EE             |
|                           | Master's Degree | 111        | 4.41 | .26 | EE             |
|                           | Doctorate     | 24         | 4.48 | .18 | EE             |
| Self Management           | Bachelor's Degree | 57         | 3.70 | .63 | CD             |
|                           | Master's Degree | 111        | 3.85 | .56 | High            |
|                           | Doctorate     | 24         | 4.12 | .40 | High            |
| Professionalism and Ethics| Bachelor's Degree | 57         | 3.89 | .65 | Very High RM   |
|                           | Master's Degree | 111        | 4.10 | .54 | Very High RM   |
|                           | Doctorate     | 24         | 4.58 | .37 | Very High RM   |
| Results Focus             | Bachelor's Degree | 57         | 3.59 | .61 | CD             |
|                           | Master's Degree | 111        | 3.81 | .51 | High            |
|                           | Doctorate     | 24         | 4.03 | .45 | High            |
| Teamwork                  | Bachelor's Degree | 57         | 3.88 | .64 | High            |
|                           | Master's Degree | 111        | 4.02 | .55 | High            |
|                           | Doctorate     | 24         | 4.33 | .53 | Very High RM   |
| Service Orientation       | Bachelor's Degree | 57         | 3.72 | .66 | High            |
|                           | Master's Degree | 111        | 3.90 | .56 | High            |
|                           | Doctorate     | 24         | 4.13 | .50 | High            |
| Innovation                | Bachelor's Degree | 57         | 3.67 | .68 | High            |
|                           | Master's Degree | 111        | 3.81 | .55 | Very High RM   |
|                           | Doctorate     | 24         | 4.15 | .53 | Very High RM   |
| Over-all Core Behaviour Competencies | Bachelor's Degree | 57         | 3.74 | .61 | CD             |
|                           | Master's Degree | 111        | 3.92 | .56 | CD             |
| Leading People            | Doctorate     | 24         | 4.21 | .36 | Very High RM   |
|                           | Bachelor's Degree | 57         | 3.71 | .65 | High            |
|                           | Master's Degree | 111        | 3.90 | .52 | High            |
|                           | Doctorate     | 24         | 4.13 | .50 | High            |
| People Performance        | Bachelor's Degree | 57         | 3.65 | .67 | High            |
| Management                | Master's Degree | 111        | 3.88 | .57 | High            |
|                           | Doctorate     | 24         | 4.23 | .55 | Very High RM   |
| People Development        | Bachelor's Degree | 57         | 3.68 | .64 | High            |
|                           | Master's Degree | 111        | 3.83 | .59 | High            |
|                           | Doctorate     | 24         | 4.12 | .53 | Very High RM   |
| Over-all Leadership Competences | Bachelor's Degree | 57         | 3.68 | .63 | High            |
|                           | Master's Degree | 111        | 3.87 | .54 | Very High RM   |
|                           | Doctorate     | 24         | 4.16 | .50 | Very High RM   |

Notes: OLC- Over-all Leadership Competencies, OCBC- Over-all Core Behavior Competences;

For School Performance: ELAC- Extraordinary Level of Achievement and Commitment; EE- Exceeded Expectations; ME- Met Expectations; FME- Failed to Meet the Expectations; and CBE- Consistently Below Expectations.

For Competencies: RM- Role Model; CD- Consistently Demonstrated; MD- Most of the Time Demonstrated; SD- Sometimes Demonstrated; and RD- Rarely Demonstrated.

### Table 2. ANOVA Results Comparing School Performance and Leadership Competencies of School Heads Using their Highest Educational Qualifications
Moreover, ANOVA results (F=4.463, p<0.05) unveiled a statistically significant difference in the demonstration of people development competency. The Post Hoc Test using Tukey confirms that the significant difference is between school heads with bachelor’s degrees and doctorate degrees (Mean Difference = -.43722*, p<.05). These results have similar implications with the two competencies on leadership. This means that school heads with doctorate degrees have acquired and can demonstrate people development competency better than their counterparts, especially over with those with bachelor’s degrees. Specifically, they can improve the skills and effectiveness of individuals in school through employing a range of development strategies; facilitate workforce effectiveness through coaching and motivating them and develop people within a work environment that promotes mutual trust and respect; conceptualize and implement learning environment to meet identified training needs; do long-term coaching and training by arranging appropriate and helpful assignments, formal training or other experiences; and can cultivate a learning environment by structuring interactive experiences (DepEd, 2015). The ANOVA results (F=5.959, p<.05) revealed a significant difference in the over-all demonstration of leadership competencies. This significant difference is between those school heads with bachelor’s and doctorate degrees (Mean Difference = -.47222*, p<.05). Thus, the highest educational qualification matters in demonstrating people performance management, people development, and leading people. Those with doctorate degrees have the advantage over those with bachelor’s degrees in demonstrating these competencies.
Table 4 displays ANOVA results on compared core behavior competencies of school heads in terms of highest educational attainment. As can be seen, all components of core behavioral competencies revealed significant differences. These findings are supported by the post hoc test results in Table 5. Post hoc test revealed further that there are significant differences in the acquired and demonstrated self-management (MD= -0.41974*, p<0.05), professionalism and ethics (MD= -0.47193*, p<0.05), results focus (MD= -0.43476*, p<0.05), teamwork (MD= -0.46930*, p<0.05), service orientation behaviors (MD= -0.50702*, p<0.05), and the overall core behavior competencies (MD= -0.46393*, p<0.05) of those who have bachelors and doctorate degrees. These indicate that the latter group is more advanced over the former group when it comes to demonstrating these core behavior competencies. Limitedly, the significant difference between those with bachelors and masters’ degrees is only true in results focus behaviors (MD= -0.22108*, p<0.05). In consequence, those school heads with masters’ degrees are also ahead to those school heads who have bachelors’ degrees only. The former group is more results-focused than the latter. Still, there are significant differences in teamwork (MD= -0.32117*, p<0.05), service orientation (MD= -0.32523*, p<0.05), and innovation behaviors (MD= -0.34319*, p<0.05), and in overall core behaviors (MD= -0.28759*, p<0.05) between those with doctorate and masters’ degrees. These imply that school heads with doctorate degrees are again more advanced in demonstrating these core behavior over those with masters’ degrees.

4 | DISCUSSION

High school performance requires the effective use of organizational resources through the leadership functions of planning, organizing, leading, and monitoring (Lunenburg, 2012). The results contradicted the earlier claims that “School leadership competencies in all types of schools were not satisfactory and adequate to address the growing quality expectations of learners and parents of schools in Nepal” (Thapa, 2016, p.120). The results show that regardless of educational attainment, school performances were very satisfactory across groups. Therefore, it is true that the principal performance was at a good level (Wahab, 2012). Ross et al. (2016) reported that among 13 core competencies, professionalism turn out to be the most prevailing core behaviors of school principals. In the case of the present study, all core behaviors considered were demonstrated with at least a high level but very high in the case of those with doctorate degrees. Among the two tested hypotheses, Ho2 was rejected since there is evidence that school heads with doctorate degrees can demonstrate significantly higher in leadership and core behavior competencies over those with bachelor’s and masters’ degrees. Therefore, it does matter in acquiring and demonstrating both the leadership and core behavior competencies. The study of Piaw et al. (2014) was confirmed that academic qualifications are significant factors of leadership skills. However, the present study does not find support in the report that claimed that the level of education cannot vary the perceptions of school leaders towards leadership competencies (Bechel, 2010).

5 | CONCLUSION

This study concluded that the highest educational qualification cannot ensure an optimal level of school performance. All groups (degrees) of participants had very satisfactory ratings in-office performance commitment and review (OPCR) which implies that they all had exceeded the expectations. School heads do not need to have a doctorate to be able to exceed all expectations for school performance. Thus, the highest educational qualification does not matter in school performance. On the other hand, the study further concluded that the highest educational qualification enables school heads to demonstrate the leadership and core behavioral competencies at the role model level over their counter-parts. Therefore, engaging in advanced studies until getting the highest (doctorate) degree is priceless. It matters in acquiring and practicing people performance management, people development, and in leading people as well. It also matters in acquiring and demonstrating self-management, professionalism and ethics, results focus behaviors, teamwork, service orientation, and
innovation. The study sug-gested to policy and decision-makers, funders, and education officials to continue sending current and future school leaders to take advantage of allowing them to acquire an optimal level of these competen-cies. Thus, this is a good reason to sustain efforts and support educational advancement. This would encourage concerned officials to revisit current poli-cies relevant to scholarships so that there would more prospective school leaders who could avail the same privileges. This study joined the previous recommenda-tion that school principals should be provided with more opportunities for professional development to eventually improve their leadership qualities (Piaw et al., 2014).

6 | REFERENCES

1. Bechel, B. C. (2010). An Examination of the Leadership Competences within a Community College Leadership Development Program (A Dissertation). Columbia: University of Mis-souri.

Clark, D., Martorell, P. & Rockoff, J. (2009). School Principals and School Performance. A Working Paper 38. Washington, USA: Calder, The Urban Institute. Retrieved from https://www0.gsb.columbia.edu/faculty/jrockoff/cmrr_principals_calder_WP38.pdf

2. Department of Education. (2015). DepEd Order No. 2, series of 2015: Guidelines on the Establishment and Implementation of the Results-based Performance Management System in the Department of Education. Manila, Philippines: DepEd.

3. Ferrarri, J. L. (2018). Leading Effective Change in Schools of the 21st Century: The Attributes, Behaviors, and Practices of Effective School Principals (A Dissertations). Chicago, USA: Loyola University Chicago. Retrieved from https://ecommons.luc.edu/cgi/viewcontent.cgi?article=3797&context=luc_diss

4. Goden, L. T., Lumbab, N. T., Niez, R. A. & Coton, V. G. (2016). Influence of School Heads’ Instructional Competence on Teachers’ Management in Leyte Division, Philippines. International Journal of Engineering Sciences and Research Technology, 5 (7), 513-530.

5. Lunenburg, F. C. (2012). The Principal and the School: What Do Principals Do? National Forum of Educational Administration and Supervision Journal, 27 (4), 1-13.

6. Nathanailii, V. (2016). Teacher’s Influence Scale from their Colleagues and Principals: Its Relation with School Performance in Public Schools of the Albanian Educational System. The IAFOR Journal of Education, 4(1), 106-121

7. National Association of Elementary School Principals and National Association of Secondary School Principals. (2013).the Importance of Principal Leadership. Virginia, USA: NAESP and NASSP.

8. Piaw, C.Y., Hee, T. F., Ismail, N. R., & Ying, L. H. (2014). Factors of Leadership Skills of Secondary School Principals. Procedia- Social and Behavioral Sciences, 116, 5125-5129.

9. Ross, D. J., & Cozzens, J. A. (2016). The Principalship: Essential Core Competencies for Instructional Leadership and Its Impact on School Climate. Journal of Education and Training Studies, 4(9), 162-176.

10. Sawati, M. J., Anwar, S & Majoka, M. I. (2013). Educational Administration and Supervision Journal, 27 (4), 1-13.

11. Thapa, K. B. (2016). Present and Importance levels leadership competencies of principals in Nepalese Schools. Journal of Advanced Academic Research, 3 (1), 111-121.

12. Tilahun, A. (2014). The Relationship of School Principal’s Leadership Styles to School Performance in Secondary School of Agnwa Zone at Gambella National Regional State. Jimma University Institute of Education and Professional Development Studies.

13. Wahab, A. (2012). Performance of School Principal at State Islamic Senior High School in Ex-Surakarta Region. Jurnal Analisa, 19 (02), 255-

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